

## Systems

## IBM System/360 and System/370 Bibliography

This bibliography lists and describes all technical publications on hardware, licensed programs, Types I-III programming, and other supplementary information needed by those who plan for, install, program, or operate the IBM System/370 or the IBM System/360 Model 22 and above.

Titles, abstracts, order numbers, current status, subject codes, and graphic library charts are included.

Publications supporting OS/VS1, OS/VS2, DOS/VS, and VM/370 are provided in *Virtual Storage Supplement* . . . GC20-0001.

System/360 Model 20 publications are in GA26-3565.

The IBM logo is displayed in a large, bold, outlined font at the bottom center of the page.

### **Twenty-Second Edition (September 1974)**

This is a major revision of, and supersedes, GA22-6822-20 and Technical Newsletter GN20-0370-1. All information is updated, and old and new abstracts are merged. SCP publications have been removed (see the preface, opposite) and now appear in GC20-0001. Teleprocessing items applying to the System/360 and/or System/370 and listed in *Supplemental Bibliography: Teleprocessing/Data Collection (GA24-3089)* are now also included in this bibliography.

Requests for IBM publications should be made to your IBM representative or to the IBM branch office serving your locality.

A form for readers' comments is provided at the back of this bibliography. If the form has been removed, comments may be addressed to IBM Corporation, Library Services and Administration, Dept. 77A, 1133 Westchester Avenue, White Plains, New York 10604. Comments and suggestions become the property of IBM.

# Preface

For each major IBM data processing system, publications useful in planning, programming, installing and operating that system are normally assembled in a *system bibliography*.

In addition to this bibliography, however, virtual storage users require *Virtual Storage Supplement (to IBM System/360 and System/370 Bibliography)*, order number GC20-0001. All SCP (system control programming) publications supporting OS/VS1, OS/VS2, DOS/VS, and VM/370 have been separated, for appearance in GC20-0001, in the interests of independent updating by SCP release.

Associated publications on hardware, licensed programs (Program Products, FDPs, IUPs, and PRPQs), and other supplementary information, remain in this bibliography.

## Organization of Bibliography

This system bibliography has four parts.

Part 1 lists publications by subject. Its organization is shown in the table of contents — with manuals under the headings being clustered by subject code and sorted by title.

Part 2 contains abstracts describing the items listed in Part 1.

Part 3 is a second list, in order-number sequence, of all items listed by subject sequence in Part 1.

Part 4 consists of graphic library charts that help to show the associations among publications.

**Note:** *Order numbers are sequenced by second character. The first character (G, S, or L) is the use key. (See "Identification of Availability.")*

## Subject Identification and Filing

Where a file number (e.g., S360-33) appears on a publication, it identifies the system in the prefix (S360) and the subject classification in the suffix (33, i.e., sort/merge).

### Prefix of File Number

System/360 and System/370 are combined as one library; and many manuals bear the file-number prefix S360/S370, showing that they are documentation for both systems. Publications associated with two system libraries identify both in the prefix (such as S360/S370/S3 or S370/S7).

When manuals apply to *more* than two libraries, the system number isn't used. Instead, these few and more general publications have I/O device or other component numbers, or GENL, in the prefix: component number(s) if the manual concerns one or two components; or GENL if the manual concerns more than two (or no specific) components.

### Subject Code

The suffix of the file number identifies the *subject* classification or *code*, such as 22 for APL or 15 for physical planning manuals and templates. (Part 1 of each bibliography starts with a standard index of subject codes and their definitions.)

File numbers with subject codes in the range of 00 through 40 are printed on publications, as an aid in filing manuals in any library which is organized by system and subject. Moreover, codes 00 through 40 are used in subscribing to SLSS (System Library Subscription Service).

Subject codes above 40 do not appear on publications, but are assigned to further categorize all other items within system bibliographies.

### Part 1

In Part 1, the subject code listing, *one* code is assigned to a publication. Items within the cluster for each code are in sequence. Normal sequencing is alphabetic, by the most apparent *keywords* in the titles of the manuals.

In Part 1, the basic eight-position order number of each publication is given. Where it's necessary to distinguish between publications that support different releases of a programming system, order-number suffixes (which identify specific editions of that publication), and the order numbers of TNLS to that publication, are included.

When one publication applies to more than one programming system, it is repeated in each applicable programming-system listing.

### Part 2

Before ordering copies of publications, check the abstract in Part 2 to be sure that your installation will require the information. Abstracts are listed in order-number sequence. (See note.)

### Part 3

Part 3, the current editions by order number, shows all recent supplements (Technical Newsletters, or TNLS) as well as the current editions. This part of the bibliography enables you to easily find any order number and check for its current edition(s) and any TNLS issued since the latest edition.

Part 3 also gives you the assigned subject code of each publication.

### Part 4

The library charts in Part 4 provide a graphic aid for quickly identifying the manuals for specific configurations and programming systems. Showing certain associations among publications or different paths for different requirements, they can reduce

the time required to plan (or check out) a basic, individual library.

## Order Number

The publication order number identifies various facts about a publication, including:

### Identification of Availability

The first character of the order number is the use key, which governs the availability of the document. Use key G means that the item is available to customers, through the IBM representative, without charge for quantities that meet normal requirements. Use key S means that the item is for sale through IBM branch offices. Use key L means that the item is available only to licensees for the IBM Program Product or other licensed program.

### Identification of Logic Manuals

Publications that explain program logic have a "Y" as the second character of the order number: e.g., SY28-1234-5. (They also include "Program Logic Manual," "System Manual," "Logic," or similar wording in the title.) Such manuals are intended for use by persons involved in program support or alteration of the program design; they are not required for normal use or operation of the program.

### Bill of Forms

An order number in the form of GBOF-1234 is a **Bill Of Forms** — a single order number for a package of several separately-order-numbered documents.

### Identification of Microfiche

An alphabetic character in the third position of an order number identifies a document on microfiche: e.g., S2C0-0301-4 or LYB0-5432-1. The only exception is a bill of forms, in which the third character is also alphabetic (not zero).

### Identification of Back-Release Support

A "T" or "Q" in the second position denotes a temporary order number for a back edition that supports a release or version of a program or programming system that is prior to the latest release. E.g., GT00-0012-0 or ST28-1234-0.

### Extra Symbols (Flags)

Maximum case: \*\*GC19-0001-5#\*  
or: \*\*GC28-6421-3#+

A double asterisk preceding the order number indicates either a change in the publication (such as a new edition) or a new item.

When more than one edition of a publication is current, the order number suffix is followed by a number sign (#).

A single asterisk following the order number indicates that the item is for IBM World Trade use only.

A plus sign following the order number indicates that the item is for U.S.A. use only.

## Updating

To eliminate unnecessary delays in keeping publications current, changes and additions to them are distributed most quickly in the form of Technical Newsletters.

When the pages released in a TNL are inserted in the manual to which it applies, the base publication is brought up to date. The next reprint of the base publication incorporates the TNLs, and is assigned the next higher suffix number, but need not be ordered as it is the same as any prior edition indicated as also current.

### TNL Masthead

The masthead of the TNL cover page includes the order number of the base publication to which the TNL applies; and all previously-issued TNLs are listed in the masthead so that you may verify receipt of all changes. Each TNL is separately orderable.

### Bibliography Revision Schedule

Between revisions, TNLs are issued to update the bibliography. Each TNL includes pages to be added or replaced wherever necessary to reflect the addition, change, or deletion of publications. At regular intervals, the bibliography is revised to incorporate and merge all new information with that in the previous bibliography edition.

## References

Specialized bibliographies and other supplemental items are listed in Part 1 under appropriate subject codes. Check the following items, and the abstracts that describe them:

*Virtual Storage Supplement (to IBM System/360 and System/370 Bibliography)* (GC20-0001), subject code 00.

*Bibliography of Data Processing Techniques* (GF20-8172), subject code 00.

Bibliographies of application publications that pertain to specific industries (*Media, Public Utilities, Health, State and Local Government, Insurance* and others), subject code 60 in "Licensed Application Programs."

*IBM Data Processing Glossary* (GC20-1699) and *IBM Marketing Publications KWIC Indexes*, subject code 85 in the table of contents heading, "Other Supplementary Information."

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# Part 1. Subject Code Listings

## SUBJECT CODE DEFINITIONS – NUMERICAL INDEX

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 01 Machine System (CPU, Storage, Channels, Console)  
 02 Card Readers and/or Punches, Control Units  
 03 Printers, Control Units  
 04 OCR, MCR (Optical/Magnetic Character Readers), Control Units  
 05 Magnetic Tape Units, Control Units  
 06 Display Equipment  
 07 DASD (Direct Access Storage Devices), Control Units  
 08 Other I/O Devices, Control Units  
 09 Teleprocessing Equipment  
 10 Auxiliary Equipment (devices normally off-line)  
 13 Special Features Information  
 14 Custom Features and Supporting Programs  
 15 Physical Planning Information  
 20 Programming Systems – General Information  
 21 Assembler  
 22 APL  
 23 BASIC  
 24 COBOL  
 25 FORTRAN  
 26 ALGOL  
 28 RPG  
 29 PL/I  
 30 Access Methods, Data Management, I/O Control Programs  
 31 Support Programs (e.g., Link Edit, Loader)  
 32 Utilities  
 33 Sort/Merge  
 34 System Planning, Generation, Installation, SMF; Storage or Performance Estimates, Release Guides  
 35 Emulation, Simulation (catalogued by host system)  
 36 Control Program (e.g., Supervisor, JCL, IPL, Job Management, Data Areas, Checkpoint/Restart)  
 37 RAS (Reliability, Availability, Serviceability): Testing, Service Aids, Problem Determination  
 38 Remote Job Entry (RJE, CRJE, RAX, CRBE,...)  
 39 Time Sharing, Interactive Facilities (e.g., OS with TSO)  
 40 System Operation (e.g., messages & codes)  
 60 Industries – General (industry bibliographies, etc.)  
 — Airlines (see Transportation)  
 62 Consultants  
 63 Distribution (e.g., apparel, food, agribusiness, hotels)  
 64 Education, Libraries  
 65 Engineering  
 66 Exploratory  
 67 Finance, Securities, Real Estate  
 69 Government, Federal  
 70 Government, State and Local  
 71 Insurance  
 72 Manufacturing  
 73 Media  
 74 Health  
 75 Process (e.g., forest products, petroleum, paint, textiles)  
 76 Public Utilities  
 — Securities (see Finance)  
 78 Transportation  
 79 Cross-Industry (see also 80–83 for selections)  
 80 Cross-Industry – Information Management  
 81 Cross-Industry – Management, Planning, Project Control  
 82 Cross-Industry – Mathematics and Science  
 83 Cross-Industry – Simulation  
 85 Data Processing – Introductory Manuals and Texts  
 87 Education – Course Catalogs  
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**MACHINES (00-15)**

00 General System Information

\*\*GC20-0001 VIRTUAL STORAGE SUPPLEMENT (TO IBM SYSTEM/360 AND SYSTEM/370 BIBLIOGRAPHY)  
\*\*GA24-3090 IBM TELEPROCESSING SYSTEMS SUMMARY  
GF20-8172 BIBLIOGRAPHY OF DATA PROCESSING TECHNIQUES  
GA22-6810 IBM SYSTEM/360 SYSTEM SUMMARY  
GA22-7001 IBM SYSTEM/370 SYSTEM SUMMARY  
GA24-3511 IBM SYSTEM/360 MODEL 25 CONFIGURATOR  
GA24-3232 IBM SYSTEM/360 MODEL 30 CONFIGURATOR  
GA22-6813 IBM SYSTEM/360 MODEL 40 CONFIGURATOR  
GA22-6874 IBM SYSTEM/360 MODEL 44 CONFIGURATOR  
GA22-6814 IBM SYSTEM/360 MODEL 50 CONFIGURATOR  
GA22-6887 SYSTEM/360 MODEL 65 CONFIGURATOR  
GA27-2713 IBM SYSTEM/360 MODEL 67 CONFIGURATOR  
GA22-6888 IBM SYSTEM/360 MODEL 75 CONFIGURATOR  
GA22-6920 IBM SYSTEM/360 MODEL 85 CONFIGURATOR  
GA33-1511 IBM SYSTEM/370 MODEL 115 CONFIGURATOR  
GA33-1507 IBM SYSTEM/370 MODEL 125 CONFIGURATOR  
GA33-3014 IBM SYSTEM/370 MODEL 135 CONFIGURATOR  
GA22-6957 IBM SYSTEM/370 MODEL 155 CONFIGURATOR  
GA22-7013 SYSTEM/370 MODEL 158 CONFIGURATOR  
GA22-6956 IBM SYSTEM/370 MODEL 165 CONFIGURATOR  
GA22-7014 SYSTEM/370 MODEL 168 CONFIGURATOR  
GA22-6944 IBM SYSTEM/360 AND SYSTEM/370 MODEL 195 CONFIGURATOR  
GA22-6872 IBM 1827 DATA CONTROL UNIT - CONFIGURATOR  
GA22-6823 SYSTEM/360 INPUT/OUTPUT CONFIGURATOR  
GA22-7002 SYSTEM/370 INPUT/OUTPUT CONFIGURATOR  
\*\*GA24-3045 IBM 1030 CONFIGURATOR  
\*\*GA21-9001 IBM 1060 CONFIGURATOR  
\*\*GA27-3018 IBM 2770 CONFIGURATORS (MANUAL)  
\*\*GA27-3021 IBM 2790 CONFIGURATOR  
GA33-1513 IBM 3115 PROCESSING UNIT INTEGRATED COMMUNICATIONS ADAPTER CONFIGURATOR  
GA33-1508 IBM 3125 PROCESSING UNIT INTEGRATED COMMUNICATIONS ADAPTER: CONFIGURATOR MANUAL  
GA27-2762 IBM 3600 FINANCE COMMUNICATION SYSTEM CONFIGURATOR  
GA27-2768 3790 COMMUNICATION SYSTEM CONFIGURATOR

01 Machine System

GA22-6821 IBM SYSTEM/360 PRINCIPLES OF OPERATION  
GA22-7000 IBM SYSTEM/370 PRINCIPLES OF OPERATION  
GX20-1703 IBM SYSTEM/360 REFERENCE DATA CARD  
GX20-1850 SYSTEM/370 REFERENCE SUMMARY CARD  
GX26-1587 DECIMAL/HEXADECIMAL INTEGER CONVERSION CHART  
GX26-1588 DECIMAL/HEXADECIMAL FRACTION CONVERSION CHART  
GX20-1787 DEBUGGING AID  
DIRECT EVALUATION OF FLOATING POINT NUMBERS IN HEXADECIMAL  
GA27-2772 A UPS INSTALLATION PLANNING GUIDE  
GA27-2771 A GUIDE TO 50 HERTZ UPS SELECTION  
GA27-2770 A GUIDE TO 60 HERTZ UPS SELECTION  
GA24-3572 IBM SYSTEM/360 MODEL 22 FUNCTIONAL CHARACTERISTICS SYSTEMS MANUAL  
GA24-3574 IBM SYSTEM/360 MODEL 22 OPERATOR'S GUIDE  
GA24-3579 IBM SYSTEM/360 MODEL 22 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION - SYSTEMS LIBRARY MANUAL  
GA24-3510 IBM SYSTEM/360 MODEL 25 FUNCTIONAL CHARACTERISTICS  
GA24-3523 IBM SYSTEM/360 MODEL 25 OPERATING PROCEDURES  
GA24-3538 IBM SYSTEM/360 MODEL 25 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION  
GA24-3231 IBM SYSTEM/360 MODEL 30 FUNCTIONAL CHARACTERISTICS  
GA24-3373 IBM SYSTEM/360 MODEL 30 OPERATING GUIDE  
GA24-3411 IBM SYSTEM/360 MODEL 30 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION  
GA22-6881 IBM SYSTEM/360 MODEL 40 FUNCTIONAL CHARACTERISTICS  
GA22-6911 IBM SYSTEM/360 MODEL 40 OPERATING PROCEDURES  
GA22-6875 IBM SYSTEM/360 MODEL 44 FUNCTIONAL CHARACTERISTICS  
GA22-6910 IBM SYSTEM/360 MODEL 44 OPERATING PROCEDURES  
GA22-6898 IBM SYSTEM/360 MODEL 50 FUNCTIONAL CHARACTERISTICS  
GA22-6908 IBM SYSTEM/360 MODEL 50 OPERATING PROCEDURES  
GA22-6884 IBM SYSTEM/360 MODEL 65 FUNCTIONAL CHARACTERISTICS  
GA27-2728 IBM SYSTEM/360 MODEL 65 OPERATING PROCEDURES  
GA27-2719 IBM SYSTEM/360 MODEL 67 FUNCTIONAL CHARACTERISTICS  
GA22-6889 IBM SYSTEM/360 MODEL 75 FUNCTIONAL CHARACTERISTICS  
GA22-6909 IBM SYSTEM/360 MODEL 75 OPERATING PROCEDURES  
GA22-6916 IBM SYSTEM/360 MODEL 85 FUNCTIONAL CHARACTERISTICS  
GA22-6927 IBM SYSTEM/360 MODEL 85 OPERATING PROCEDURES  
GA22-6907 IBM SYSTEM/360 MODEL 91 FUNCTIONAL CHARACTERISTICS

GA33-1510	IBM SYSTEM/370 MODEL 115 FUNCTIONAL CHARACTERISTICS
**GA33-1514	OPERATOR'S LIBRARY SYSTEM/370 MODEL 115 PROCEDURES
**GA33-1516	IBM SYSTEM/370 MODEL 115 CHANNEL CHARACTERISTICS
GA33-1506	IBM SYSTEM/370 MODEL 125 FUNCTIONAL CHARACTERISTICS
GA33-1509	IBM SYSTEM/370 MODEL 125 OPERATION PROCEDURES
GA33-1512	IBM SYSTEM/370 MODEL 125 CHANNEL CHARACTERISTICS
GA33-3005	IBM SYSTEM/370 MODEL 135 FUNCTIONAL CHARACTERISTICS
GC38-0005	OPERATOR'S LIBRARY: SYSTEM/370 MODEL 135 PROCEDURES
GA33-3010	IBM SYSTEM/370 MODEL 135 CHANNEL CHARACTERISTICS
GC20-1738	A GUIDE TO THE IBM SYSTEM/370 MODEL 135
GA24-3557	IBM SYSTEM/370 MODEL 145 FUNCTIONAL CHARACTERISTICS
GC38-0015	IBM SYSTEM/370 MODEL 145 OPERATING PROCEDURES
GA24-3573	IBM SYSTEM/370 MODEL 145 CHANNEL CHARACTERISTICS
GC20-1734	A GUIDE TO THE IBM SYSTEM/370 MODEL 145
GA22-6942	IBM SYSTEM/370 MODEL 155 FUNCTIONAL CHARACTERISTICS
GA22-6966	IBM SYSTEM/370 MODEL 155 OPERATING PROCEDURES
GA22-6962	IBM SYSTEM/370 MODEL 155 CHANNEL CHARACTERISTICS
GC20-1729	A GUIDE TO THE IBM SYSTEM/370 MODEL 155
GA22-7011	IBM SYSTEM/370 MODEL 158 FUNCTIONAL CHARACTERISTICS
GC38-0025	IBM SYSTEM/370 MODEL 158 OPERATING PROCEDURES
GA22-7012	IBM SYSTEM/370 MODEL 158 CHANNEL CHARACTERISTICS
GC20-1754	A GUIDE TO THE IBM SYSTEM/370 MODEL 158
GA22-6935	IBM SYSTEM/370 MODEL 165 FUNCTIONAL CHARACTERISTICS
GA22-6969	IBM SYSTEM/370 MODEL 165 OPERATING PROCEDURES
GC20-1730	A GUIDE TO THE IBM SYSTEM/370 MODEL 165
GX22-6984	IBM SYSTEM/370 MODEL 165 OPERATORS REFERENCE CARD
GA22-7010	SYSTEM/370 MODEL 168 FUNCTIONAL CHARACTERISTICS MANUAL
GC38-0030	SYSTEM/370 MODEL 168 OPERATING PROCEDURES
GC20-1755	A GUIDE TO THE IBM SYSTEM/370 MODEL 168
GA22-6943	IBM SYSTEM/360 AND SYSTEM/370 MODEL 195 FUNCTIONAL CHARACTERISTICS
GA22-6954	IBM S/360 & S/370 MODEL 195 OPERATING PROCEDURES
GA22-6877	IBM SYSTEM/360 COMPONENT DESCRIPTIONS AND OPERATING PROCEDURES IBM 1052 PRINTER-KEYBOARD MODEL 7 WITH IBM 2150 CONSOLE
GA24-3552	IBM 3210 CONSOLE PRINTER-KEYBOARDS COMPONENT DESCRIPTION
GA24-3550	IBM 3215 CONSOLE PRINTER-KEYBOARD COMPONENT DESCRIPTION

02 Card Readers and/or Punches, Control Units

GA21-9025	IBM 1442-N1 AND N2 COMPONENT DESCRIPTION AND OPERATING PROCEDURES - SRL MANUAL
GA21-9026	IBM 2501 MODELS B1 AND B2 COMPONENT DESCRIPTION AND OPERATING PROCEDURES
GA21-9027	IBM 2520-B1, B2, AND B3, COMPONENT DESCRIPTION AND OPERATING PROCEDURES - SRL MANUAL
GA21-9033	IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES, IBM 2540 CARD READ PUNCH - SRL MANUAL
GA21-9144	IBM 2596 CARD READ PUNCH PROGRAMMER'S REFERENCE MANUAL AND OPERATOR'S GUIDE - SYSTEMS REFERENCE LIBRARY
GA21-9124	IBM 3504 CARD READER/IBM 3505 CARD READER AND IBM 3525 CARD PUNCH SUBSYSTEM
GA21-9167	IBM SYSTEM/370: 5425 MULTI-FUNCTION CARD UNIT PROGRAMMER'S REFERENCE MANUAL AND OPERATOR'S GUIDE

03 Printers, Control Units

GA24-3073	IBM 1403 PRINTER COMPONENT DESCRIPTION
GA24-1446	IBM 1404 PRINTER
GA24-3120	IBM 1443 PRINTER MODELS 1 THROUGH 4 AND N1, AND 1445 PRINTER MODELS 1 AND N1: COMPONENT DESCRIPTION
GA26-5893	IBM SYSTEM/360 AND SYSTEM/370 COMPONENT DESCRIPTION AND OPERATING PROCEDURES: IBM 2560 MULTI-FUNCTION CARD MACHINE
GA24-3312	IBM 2821 CONTROL UNIT COMPONENT DESCRIPTION
**GA33-1515	IBM 3203 PRINTER COMPONENT DESCRIPTION AND OPERATOR'S GUIDE
GA24-3543	IBM 3211 PRINTER 3216 INTERCHANGEABLE TRAIN CARTRIDGE AND 3811 PRINTER CONTROL UNIT COMPONENT DESCRIPTION AND OPERATOR'S GUIDE

04 OCR and MCR, Control Units

GA24-1499	IBM 1219 READER SORTER IBM 1419 MAGNETIC CHARACTER READER
GA19-0004	IBM 1219 READER SORTER, MODEL 32
GA21-9031	IBM 1419 MAGNETIC CHARACTER READER, MODEL 32
GA21-9031	IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES: 1231-N1 (OPTICAL MARK PAGE READER)
GA24-3542	IBM 1255 MAGNETIC CHARACTER READER MODELS 1, 2, AND 3 COMPONENT DESCRIPTION
GA24-3500	IBM 1259 MAGNETIC CHARACTER READER COMPONENT DESCRIPTION
GA19-0036	PAPER AND PRINT QUALITY REQUIREMENTS FOR IBM 1270 AND 1275 OPTICAL READER SORTERS
GA19-0034	IBM 1275 OPTICAL READER SORTER FOR SYSTEM/360 AND SYSTEM/370



GA24-3256	IBM 1285 OPTICAL READER COMPONENT DESCRIPTION AND OPERATING PROCEDURES
GA21-9064	IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES IBM 1287 OPTICAL READER
GA21-9150	IBM SYSTEM/360 AND SYSTEM/370 COMPONENT DESCRIPTION AND OPERATING PROCEDURES: IBM 1287 OPTICAL READER, MODEL 5
GA21-9139	IBM 1287 OPTICAL READER MODEL 5: GENERAL INFORMATION
GX20-1741	IBM 1287 OPTICAL READER DOCUMENT TRACING GUIDE
GX20-1759	IBM 1287 OPTICAL READER DESIGN FORMATS
GA21-9081	IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 1288 OPTICAL PAGE READER MODEL 1
GX21-9106	IBM 1288 DOCUMENT GAUGE FOR MACHINE SETUP
GC20-1686	OCR INPUT PREPARATION GUIDE FOR THE IBM 1287/1288 OPTICAL CHARACTER READERS
GC20-1739	HANDPRINTING CONSIDERATIONS FOR THE IBM 1287/1288 OPTICAL CHARACTER READERS
GC20-1733	IBM 1287/1288 OCR ERROR RECOVERY GUIDE
GA24-1421	IBM 1412 MAGNETIC CHARACTER READER MODEL I
GA24-1452	PRINT QUALITY CONSIDERATIONS IBM 1418 AND IBM 1428
GA24-1473	IBM 1418 OPTICAL CHARACTER READER IBM 1428 ALPHAMERIC OPTICAL READER
GA19-0023	IBM 1419 MODEL 32 ATTACHED TO IBM SYSTEM/360 MODEL 25, 30, 40, 50, AND 65
GC20-1751	IBM 3881 OPTICAL MARK READER SYSTEMS DESIGN GUIDE
GA21-9143	IBM 3881 OPTICAL MARK READER MODELS 1 AND 2 REFERENCE MANUAL AND OPERATOR'S GUIDE
GA21-9147	IBM 3886 OPTICAL CHARACTER READER MODEL I REFERENCE MANUAL
GA21-9154	IBM 3886 OPTICAL CHARACTER READER MODEL 2 COMPONENT REFERENCE MANUAL
GA21-9148	IBM 3886 OPTICAL CHARACTER READER INPUT DOCUMENT DESIGN GUIDE AND SPECIFICATIONS
GC20-1760	IBM 3886 OPTICAL CHARACTER READER FORMS KIT
GA24-3602	IBM 3890 DOCUMENT PROCESSOR - GENERAL INFORMATION
GA24-3612	IBM 3890 DOCUMENT PROCESSOR MACHINE AND PROGRAMMING DESCRIPTION

05 Magnetic Tape Units, Control Units

GA32-0006	TAPE SPECIFICATIONS FOR IBM ONE-HALF INCH TAPE DRIVES AT: 556 AND 800 BPI AND 3200 FCI
GA22-6866	SYSTEM/360 COMPONENT DESCRIPTIONS: 2400-SERIES MAGNETIC TAPE UNITS, 2803/2804 TAPE CONTROLS, AND 2816 SWITCHING UNIT MODEL 1
GX22-6837	2401 - 2404 AND 2415 MAGNETIC TAPE UNITS
GX35-5001	IBM SYSTEM/360/370 REFERENCE DATA 2401-2404, 2415, 2420, AND 3420 MAGNETIC TAPE UNITS
GA32-0007	COMPONENT DESCRIPTION IBM 2420 MODEL 5 MAGNETIC TAPE UNIT
GA27-2726	IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2495 TAPE CARTRIDGE READER
GA32-0015	IBM 3410/3411 MAGNETIC TAPE SUBSYSTEM COMPONENT SUMMARY MANUAL
GA32-0022	IBM 3410/3411 MAGNETIC TAPE SUBSYSTEM COMPONENT DESCRIPTION MANUAL
GA32-0020	3803/3420 MAGNETIC TAPE SUBSYSTEMS
GA32-0021	IBM 3803-2/3420 MAGNETIC TAPE SUBSYSTEMS SUBSYSTEM DESCRIPTION
GA22-6828	IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 7340 MODEL 3 HYPERTAPE DRIVE

06 Display Equipment

Note: Other display equipment, used primarily in a teleprocessing environment, is listed under subject code 09.

GA27-2701	IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 1
GA27-2702	IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 2 IBM 2840 DISPLAY CONTROL MODEL 1
GA27-2721	IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 3 IBM 2840 DISPLAY CONTROL MODEL 2
GC20-1688	IBM 2260 DISPLAY STATION OPERATOR MANUAL
GA27-2700	IBM SYSTEM/360 COMPONENT DESCRIPTION: IBM 2260 DISPLAY STATION IBM 2848 DISPLAY CONTROL
GA27-2731	IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2265 DISPLAY STATION IBM 2845 DISPLAY CONTROL
GA27-2730	COMPONENT DESCRIPTION IBM 2285 DISPLAY COPIER

07 DASD, Control Units

GA26-3633	DATA CELL HANDLING GUIDE
GA26-5756	IBM DISK PACK AND CARTRIDGE HANDLING PROCEDURES
GA22-6895	IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2820 STORAGE CONTROL AND 2301 DRUM STORAGE

GX20-1705	IBM 2311 DISK CELL DRIVE REFERENCE CARD
GA26-3599	IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2314 DIRECT ACCESS STORAGE FACILITY AND 2844 AUXILIARY STORAGE CONTROL
GX20-1710	IBM 2314 DIRECT ACCESS STORAGE FACILITY CAPACITY AND TRANSMISSION TIME REFERENCE CARD
GA26-1606	IBM 2319 DISK STORAGE - A-SERIES, COMPONENT DESCRIPTION
GA26-1589	COMPONENT SUMMARY-2835 STORAGE CONTROL 2305 FIXED HEAD STORAGE
GA26-5988	IBM SYSTEM/360 COMPONENT DESCRIPTIONS--2841 AND ASSOCIATED DASD
GA26-1615	INTRODUCTION IBM 3330 A-SERIES DISK STORAGE - SYSTEM LIBRARY MANUAL
**GA26-1630	IBM 3330 SERIES DISK STORAGE MODEL 1 TO MODEL 11 CUSTOMER CONVERSION GUIDE
GX20-1920	3330 SERIES DISK STORAGE, 3333 MODELS 1 AND 11, 3330 MODELS 1, 2, AND 11 REFERENCE SUMMARY
GA26-1619	IBM 3340 COMPONENT SUMMARY
GA26-1625	IBM 3348 DATA MODULE HANDLING PROCEDURES
GA26-1592	REFERENCE MANUAL FOR IBM 3830 STORAGE CONTROL AND IBM 3330 DISK STORAGE
**GA26-1617	REFERENCE MANUAL FOR IBM 3830 STORAGE CONTROL MODEL 2
GA26-1620	REFERENCE MANUAL FOR IBM INTEGRATED STORAGE CONTROL

08 Other I/O Devices, Control Units

**GA21-9182	THE IBM DISKETTE FOR STANDARD DATA INTERCHANGE
**GA26-4187	DISKETTE HANDLING PROCEDURES
GA22-6868	IBM SYSTEM/360 - COMPONENT DESCRIPTION, IBM 1827 DATA CONTROL UNIT
GA24-3388	IBM 2671 PAPER TAPE READER, IBM 2822 PAPER TAPE READER CONTROL - COMPONENT DESCRIPTION
GA33-4500	IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2826 PAPER TAPE CONTROL UNIT 1017 PAPER TAPE READER 1018 PAPER TAPE PUNCH
**GA21-9197	IBM 3540 DISKETTE INPUT/OUTPUT UNIT OPERATOR'S GUIDE AND PROGRAMMER'S REFERENCE MANUAL
**GC21-5072	DOS/V5 SYSTEM INFORMATION FOR IBM 3540 DISKETTE INPUT/OUTPUT UNIT
GA36-0002	IBM 4481 FILM READER/RECORDER
GA36-0003	4481 FILM READER/RECORDER PROGRAMMER'S GUIDE

09 Teleprocessing Equipment

**GA27-3004	GENERAL INFORMATION - BINARY SYNCHRONOUS COMMUNICATIONS
**GA21-9028	IBM 357/1030/2790 BADGE SPECIFICATIONS
**GA24-1029	IBM 1001 DATA TRANSMISSION SYSTEM
**GA24-3018	IBM 1030 DATA COLLECTION SYSTEM
**GA21-9041	IBM 1035 COMPONENT DESCRIPTION AND OPERATING PROCEDURES
**GA24-3020	IBM 1050 REFERENCE DIGEST
**GA24-3125	IBM 1050 OPERATOR'S GUIDE
**GA24-3471	IBM 1050 SYSTEM SUMMARY
**GA24-3474	IBM 1050 DATA COMMUNICATION SYSTEM PRINCIPLES OF OPERATION
**GA24-3034	IBM 1060 DATA COMMUNICATIONS SYSTEM
**GA24-3266	IBM 1092 AND 1093 PROGRAMMED KEYBOARDS
GA22-6864	IBM 2701 DATA ADAPTER UNIT COMPONENT DESCRIPTION
GA22-6846	IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2702 TRANSMISSION CONTROL
GA27-2703	IBM 2703 TRANSMISSION CONTROL COMPONENT DESCRIPTION
GA27-2704	IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2711 LINE ADAPTER UNIT
GA24-3426	IBM 2712 REMOTE MULTIPLEXOR
GA27-3029	2721 PORTABLE AUDIO TERMINAL
GA27-3039	IBM 2721 PORTABLE AUDIO TERMINAL OPERATOR'S HANDBOOK
**GA24-3403	IBM 2740 COMMUNICATION TERMINALS MODEL 1 AND 2 COMPONENT DESCRIPTION
**GA24-3415	IBM 2741 COMMUNICATION TERMINAL
**GA27-3001	IBM 2740/2741 COMMUNICATIONS TERMINAL - OPERATOR'S GUIDE
GA27-3011	IBM 2760 OPTICAL IMAGE UNIT COMPONENT DESCRIPTION
**GA27-3013	SYSTEM COMPONENTS: IBM 2770 DATA COMMUNICATION SYSTEM
**GA27-3014	IBM 2770 SYSTEM SUMMARY
**GA27-3038	OPERATOR'S GUIDE: IBM 2770 DATA COMMUNICATION SYSTEM
**GA27-3005	IBM 2780 DATA TRANSMISSION TERMINAL - COMPONENT DESCRIPTION
**GA27-3015	IBM 2790 DATA COMMUNICATION SYSTEM COMPONENT DESCRIPTION
**GA27-3016	IBM 2790 SYSTEM SUMMARY
**GA27-3035	IBM 2790 DATA COMMUNICATION SYSTEM OPERATOR'S GUIDE
**GA27-2739	AN INTRODUCTION TO THE IBM 3270 INFORMATION DISPLAY SYSTEM
**GA27-2742	OPERATOR'S GUIDE FOR IBM 3270 INFORMATION DISPLAY SYSTEMS
**GA27-2749	IBM 3270 INFORMATION DISPLAY SYSTEM COMPONENT DESCRIPTION
**GA27-2750	IBM 3270 PROBLEM DETERMINATION GUIDE
**GX20-1878	IBM 3270 INFORMATION DISPLAY SYSTEM REFERENCE SUMMARY
GA27-2764	INTRODUCING THE IBM 3600 FINANCE COMMUNICATION SYSTEM SYSTEMS MANUAL

GC27-0001	IBM 3600 FINANCE COMMUNICATION SYSTEM - SYSTEM SUMMARY
GA27-2765	IBM 3600 FINANCE COMMUNICATION SYSTEM MANAGEMENT PLANNING GUIDE
GA27-3075	IBM 3650 RETAIL STORE SYSTEM INTRODUCTION
GA27-3076	IBM 3660 SUPERMARKET STORE CONTROL SYSTEM INTRODUCTION
GA27-3048	IBM 3670 BROKERAGE COMMUNICATION SYSTEM SYSTEM CONCEPTS AND CONFIGURATOR
GA27-3050	IBM 3670 BROKERAGE COMMUNICATION SYSTEM COMPONENT DESCRIPTION MANUAL
**GA27-3091	IBM 3704 OPERATOR REFERENCE SUMMARY
**GC30-3020	TELEPROCESSING PREINSTALLATION GUIDE FOR IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS
**GC30-3021	TELEPROCESSING INSTALLATION RECORD FOR IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS
GA27-3051	INTRODUCTION TO THE 3705 COMMUNICATIONS CONTROLLER
GC30-3004	IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS PRINCIPLES OF OPERATION
GA27-3055	IBM 3705 COMMUNICATIONS CONTROLLER OPERATOR'S GUIDE
**GA27-3092	IBM 3705 OPERATOR REFERENCE SUMMARY
GA27-3043	IBM 3735 PROGRAMMABLE BUFFERED TERMINAL CONCEPT AND APPLICATION
**GA27-3061	IBM 3735 PROGRAMMABLE BUFFERED TERMINAL OPERATOR'S GUIDE
**GA21-9152	IBM 3740 DATA ENTRY SYSTEM - SYSTEM SUMMARY AND INSTALLATION PLANNING
**GA21-9131	3741 DATA STATION OPERATOR'S GUIDE
**GX21-9172	IBM 3741/3742 REFERENCE CARD
**GA21-9183	IBM 3741 DATA STATION REFERENCE MANUAL
**GA21-9194	IBM 3741 MODELS 3 AND 4 PROGRAMMABLE WORK STATION PROGRAMMING REFERENCE MANUAL
**GA21-9196	IBM 3741 MODELS 3 AND 4 PROGRAMMABLE WORK STATION GENERAL INFORMATION
**GX21-9204	IBM 3741 PROGRAMMABLE WORK STATION MODELS 3-4 REFERENCE CARD
**GA21-9136	3742 DUAL DATA STATION OPERATOR'S GUIDE
**GX21-9184	IBM 3742 DUAL DATA STATION REFERENCE MANUAL
**GA21-9170	IBM 3747 DATA CONVERTER REFERENCE MANUAL & OPERATOR'S GUIDE
**GX21-9171	IBM 3747 DATA CONVERTER REFERENCE CARD
**GA27-3063	COMPONENT INFORMATION FOR THE IBM 3780 DATA COMMUNICATION TERMINAL
GA27-2767	AN INTRODUCTION TO THE IBM 3790 COMMUNICATION SYSTEM
**GA27-3058	IBM 3872 MODEM USER'S GUIDE
**GA27-3059	IBM 3872 MEDIUM-SPEED MODEM DIGEST - REFERENCE SUMMARY
**GA27-3062	IBM 3872 MODEM PROBLEM DETERMINATION CARD
**GA33-0002	IBM 3874 MODEM USER'S GUIDE
**GA33-0001	IBM 3875 MODEM USER'S GUIDE
GA19-0010	IBM 3944 DIAL TERMINAL
**GA36-0001	IBM 4872 MODEM MODEL 1
**GA36-0004	IBM 4872 MODEM MODELS 2 AND 3
GA34-0016	IBM 5275 DIRECT NUMERICAL CONTROL STATION INTRODUCTION AND COMPONENT DESCRIPTION
GA27-2712	COMPONENT DESCRIPTION: IBM 7770 AUDIO RESPONSE UNIT MODEL 3
GA27-2710	IBM 7772 AUDIO RESPONSE UNIT VOCABULARY
GA27-2711	IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 7772 AUDIO RESPONSE UNIT

#### 10 Auxiliary Equipment

GA27-2725	IBM 50 MAGNETIC DATA INSCRIBER COMPONENT DESCRIPTION
GA22-6951	IBM 50 MAGNETIC DATA INSCRIBER OPERATOR'S GUIDE
GA21-9078	IBM 5486 CARD SORTER OPERATOR'S GUIDE
GA10-0018	5486 CARD SORTER OPERATOR'S GUIDE (IN SPANISH)

#### 13 Special Features

GA22-6892	IBM SYSTEM/360 SPECIAL FEATURE CHANNEL-TO-CHANNEL ADAPTER
GA22-6983	SYSTEM/370 SPECIAL FEATURE: CHANNEL-TO-CHANNEL ADAPTER
GA24-3526	IBM SYSTEM/360 MODEL 25 INTEGRATED COMMUNICATIONS ATTACHMENT FEATURE
GA24-3524	IBM SYSTEM/360 MODEL 25 MODEL 20 MODE FEATURE
GA24-3512	IBM SYSTEM/360 MODEL 25 1401/1460 AND 1440 COMPATIBILITY FEATURES
GA24-3255	IBM SYSTEM/360 MODEL 30 1401/1440/1460 COMPATIBILITY FEATURE
GA19-0019	IBM SYSTEM/360 MODEL 30 1401/1440/1460 COMPATIBILITY FEATURE INVERTED PRINT EDIT AND STERLING SUB-FEATURES
GA24-3365	IBM SYSTEM/360 MODEL 30 1620 COMPATIBILITY FEATURE
GA22-6900	DATA ACQUISITION SPECIAL FEATURES FOR THE IBM SYSTEM/360 MODEL 44
GA27-2717	IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION 7074 COMPATIBILITY FEATURE FOR SYSTEM/360 MODELS 50 AND 65
GA27-2716	IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION 7080 COMPATIBILITY FEATURE FOR SYSTEM/360 MODEL 65

GA27-2715 IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION  
709/7040/7044/7090/7094/7094 II COMPATIBILITY FEATURE FOR  
SYSTEM/360 MODELS 65 AND 67

GA27-2733 IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION  
709/7090/7094/7094 II COMPATIBILITY FEATURE FOR  
IBM SYSTEM/360 MODEL 85

GA33-3009 IBM SYSTEM/370 MODEL 135-SYNCHRONOUS DATA ADAPTER TYPE II  
(FOR ICA): SPECIAL FEATURE DESCRIPTION

GA33-3011 IBM SYSTEM/370 MODEL 135 - TELEGRAPH ADAPTER TYPE II  
(FOR ICA): SPECIAL FEATURE DESCRIPTION MANUAL

GA33-3007 IBM SYSTEM/370 MODEL 135-TERMINAL ADAPTER TYPE I MODEL II  
(FOR ICA): SPECIAL FEATURE DESCRIPTION SYSTEM LIBRARY MANUAL

GA33-3008 IBM SYSTEM/370 MODEL 135 TERMINAL ADAPTER TYPE III FOR ICA:  
SPECIAL FEATURE DESCRIPTION

GA22-7017 IBM SYSTEM/370 MODEL 155 II DYNAMIC ADDRESS TRANSLATION  
FACILITY

GA22-6955 IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION:  
709/7090/7094/7094 II  
COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165

GA22-6958 IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION: 7070/7074  
COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165

GA22-6963 IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION  
7080 COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165

GA22-7016 IBM SYSTEM/370 MODEL 165 II DYNAMIC ADDRESS TRANSLATION  
FACILITY

GA24-3342 BATCH NUMBERING FEATURE FOR IBM 1241 AND 1419 MAGNETIC INK  
CHARACTER RECOGNITION READERS

GA24-3081 MARK READ STATION (SLANTED MARK) FOR IBM 1418 AND IBM 1428

\*\*GA27-2774 A GUIDE TO USING THE TEST REQUEST FEATURE ON IBM 3270  
INFORMATION DISPLAY SYSTEMS

\*\*GA26-1632 IBM 3340 DISK/STORAGE - FIXED HEAD FEATURE USERS GUIDE

\*\*GC20-1767 OPTICAL MARK READ/CARD PRINT APPLICATION SOLUTIONS IBM  
3504 and 3505 CARD READERS IBM 3525 CARD PUNCH

#### 14 Custom Features and Supporting Programs

GL22-6960 IBM RESERVATION SYSTEM CUSTOM FEATURE DESCRIPTION

GA34-1507 IBM SYSTEM/7-360/370 CHANNEL ATTACHMENT: GENERAL INFORMATION  
MANUAL, RPQ D08112

GA24-3547 IBM SYSTEM/360 MODEL 25, HIGH-SPEED CHANNEL-2314 ATTACHMENT  
FEATURE RPQ E69109

GA24-3564 IBM SYSTEM/360 MODEL 30 STORAGE EXPANSION FEATURE MANUAL:  
RPQ'S EA3807, EA1527; OR RPQ'S Y91283 AND Y91325 (WORLD  
TRADE)

GL22-6902 IBM SYSTEM/360 MODEL 40 SUM OF PRODUCTS INSTRUCTION -  
RPQ W12561 SPECIAL SYSTEMS FEATURE

GL22-6903 IBM SYSTEM/360 MODEL 40, HALFWORD TRANSLATE INSTRUCTION -  
RPQ W13462 SPECIAL SYSTEMS FEATURE

GL22-6904 IBM SYSTEM/360 MODEL 40, TABLE ADDRESS CHAINING -  
RPQ W13518 SPECIAL SYSTEMS FEATURE

\*\*GA09-1600 IBM 3270 INFORMATION DISPLAY SYSTEM CUSTOM FEATURE  
DESCRIPTION: 129-3270 ATTACHMENT (RPQ 8T0093)

\*\*GX09-1000 IBM 129-3270 OPERATOR'S REFERENCE SUMMARY

\*\*GA27-3066 SUPPLEMENTARY OPERATOR'S AND PROGRAMMER'S GUIDE INFORMATION  
CARD IBM 3735 WITH IBM 129 CARD DATA RECORDER (RPQ#EB1935)

GA27-3040 CUSTOM UNIT DESCRIPTION - 1970-1 REMOTE AUDIO RESPONSE UNIT

GA26-3699 IBM 1971-1980 CUSTOM TERMINAL FUNCTIONAL CHARACTERISTICS,  
OPERATING PROCEDURES, AND PHYSICAL PLANNING

GA24-3590 IBM 1972 MODEL 3 PRODUCTION TERMINAL 1972 MODEL 4  
INSTRUCTION CONSOLE OPERATOR'S GUIDE

GA26-5714 IBM 2314/2844 MULTIPLEX STORAGE CONTROL FEATURE - AIRLINES  
BUFFER

GL21-9071 IBM 2501 CARD READER, MODELS A AND B RPQ FEATURES

GC50-0001 IBM 2701 DATA ADAPTER UNIT AND ASCII AUTODIN ADAPTER  
(RPQ F16124): PRINCIPLES OF OPERATION

GA26-1599 IBM 2730 MODEL 1 TRANSACTION VALIDATION TERMINAL, IBM 2968  
MODEL 9 AND MODEL 12 RECEIVER-TERMINAL CONTROL UNIT

GX26-1618 IBM 2730 TRANSACTION VALIDATION TERMINAL - REFERENCE CARD

GL27-3022 CUSTOM SYSTEM DESCRIPTION:  
IBM 2740-1/2950-2 BATCH BUFFER TERMINAL SYSTEMS REFERENCE

GC26-3767 IBM 2740/2968 AUDIO-VISUAL CONTROL USER'S GUIDE  
RPQ NUMBER F30209

SY26-3766 IBM 2740/2968 AUDIO-VISUAL CONTROL PROGRAM LOGIC MANUAL  
RPQ NUMBER F30209

GL27-3009 2905 REMOTE MULTIPLEXER COMPONENT DESCRIPTION

GA27-2737 IBM 2909-3 ASYNCHRONOUS DATA CHANNEL RPQ F13299  
CUSTOM FEATURE DESCRIPTION

GL22-6871 IBM SYSTEM/360 2911 MANUAL SWITCHING UNIT MODELS 1, 2, and 5  
AND 2989 REMOTE SWITCHING CONSOLE SPECIAL SYSTEMS FEATURE

GL22-6937 IBM SYSTEM/360 CUSTOM FEATURE DESCRIPTION  
2914 SWITCHING UNIT MODEL 1 - RPQ 880882

GL22-7025 2914 STORAGE CONTROL INTERFACE SWITCH MODEL 2 (RPQ 8P0290)  
PRODUCT DESCRIPTION AND PHYSICAL PLANNING

GL24-3597 IBM 2922 PROGRAMMABLE TERMINAL (RPQ 810563, 810564  
 AND 810565) COMPONENT DESCRIPTION AND OPERATING PROCEDURES  
 GL24-3591 IBM 2927 TAPE-TO-PRINTER UNIT RPQ 812390 & 812391  
 COMPONENT DESCRIPTION  
 GL22-6901 IBM 2937 MODELS 1, 2, AND 3, MULTIPLIER-SUMMATION PROCESSOR,  
 SPECIAL SYSTEM FEATURE, RPQ 880626  
 GA24-3519 IBM SYSTEM/360 CUSTOM EQUIPMENT DESCRIPTION: 2938 ARRAY  
 PROCESSOR (MODEL 1, RPQ W24563; MODEL 2, RPQ 815188)  
 GL24-3570 IBM 2946 TERMINAL CONTROL SUBSYSTEM  
 COMPONENT DESCRIPTION AND OPERATING GUIDE  
 GCB8-6796 IBM 2947-4 CHECK COLLECTION CONTROLLER (RPQ #888264)  
 SEQUENTIAL ACCESS METHOD (CSAM) MAIN MODULE-DOS  
 MICROFICHE LISTING, PROG. NO. 5799-WAF  
 GCB8-6797 IBM 2947-4 CHECK COLLECTION CONTROLLER (RPQ #888264)  
 SEQUENTIAL ACCESS METHOD (CSAM) ERR MODULE-DOS  
 MICROFICHE LISTING - PROGRAM NUMBER 5799-WAF  
 GC28-6687 USER'S GUIDE FOR THE IBM 2947-4 CHECK COLLECTION CONTROLLER  
 SEQUENTIAL ACCESS METHOD PROGRAM SUPPORTING RPQ 888264  
 PROGRAM NUMBERS 5799-WAF, 5799-WAG  
 GL22-6979 IBM 2947 MODEL 4 CHECK COLLECTION CONTROLLER (RPQ 888264)  
 FUNCTIONAL CHARACTERISTICS - REFERENCE MANUAL  
 GCB8-6798 IBM 2947-4 CHECK COLLECTION CONTROLLER (RPQ #888264)  
 SEQUENTIAL ACCESS METHOD (CSAM) MAIN MODULE-OS  
 MICROFICHE LISTING - PROGRAM NUMBER 5799-WAG  
 GCB8-6799 IBM 2947-4 CHECK COLLECTION CONTROLLER (RPQ #888264)  
 SEQUENTIAL ACCESS METHOD (CSAM) ERR MODULE-OS  
 MICROFICHE LISTING - PROGRAM NUMBER 5799-WAG  
 GY28-6688 INTERNAL LOGIC MANUAL FOR THE IBM 2947-4 CHECK COLLECTION  
 CONTROLLER SEQUENTIAL ACCESS METHOD - PROGRAM SUPPORT  
 RPQ 888264 - PROGRAM NUMBERS 5799-WAF 5799-WAG  
 \*\*GA21-9050 IBM 2956 OPTICAL MARK/HOLE READER MODELS 2 AND 3  
 COMPONENT DESCRIPTION AND OPERATING PROCEDURES  
 GA24-3551 IBM 2956-5 MULTI-POCKET MCR READER SORTER CUSTOM UNIT  
 DESCRIPTION: RPQ W19976  
 GA26-1593 IBM 2968 MODEL 11 AUDIO/VISUAL CONTROL:  
 COMPONENT DESCRIPTION AND OPERATING PROCEDURES  
 RPQ F30209  
 \*\*GA32-0009 IBM 2968 TAPE TRANSMISSION UNIT MODELS 7 AND 10: CUSTOM  
 FEATURE COMPONENT SUMMARY  
 GL22-6940 IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE  
 MODEL 1--RPQ888117  
 GC28-6709 IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1  
 CONTROL PROGRAM OPERATOR'S GUIDE SUPPORTING RPQ 888117  
 GC28-6711 IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1  
 CONTROL PROGRAM USER'S GUIDE SUPPORTING RPQ 888117  
 SY28-6746 IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1  
 CONTROL PROGRAM DESIGN SPECIFICATIONS SUPPORTING  
 RPQ 888117  
 GL19-0003 CUSTOM SYSTEM DESCRIPTION: IBM 2970 MODEL 8 BANK TERMINAL,  
 RPQ 858230  
 GA26-5993 IBM SYSTEM/360 CUSTOM FEATURE, 2972 LINE  
 CONTROL UNIT, MODEL 1  
 \*\*GL27-3020 IBM 2972 MODELS 8 AND 11 GENERAL BANKING TERMINAL SYSTEM  
 COMPONENT DESCRIPTION  
 GA26-1583 IBM SYSTEM/360 CUSTOM FEATURE DESCRIPTION - 2973 MODEL 2  
 FILE SWITCH RPQ F13209  
 GA27-3068 IBM 2984 MODEL 1 CASH ISSUING TERMINAL CUSTOM UNIT  
 DESCRIPTION OPERATOR'S GUIDE  
 \*\*GA27-2758 IBM 3270 INFORMATION DISPLAY SYSTEM CUSTOM FEATURE  
 DESCRIPTION, DUAL CASE CHARACTER SET RPQ 8K0366  
 \*\*GH19-7024 IBM 3277 DISPLAY STATION CUSTOM FEATURE DESC. 1980-C24  
 PRINTER ATTACHMENT RPQ U58950  
 \*\*GA27-2752 IBM 3284/3286 PRINTER CUSTOM FEATURE DESCRIPTION MARGIN STOP  
 VARIABLE RPQ #EB3995  
 \*\*GA27-2753 IBM 3284/3286 PRINTER CUSTOM FEATURE DESCRIPTION VERTICAL  
 FORMS INDEX CONTROL (RPQ EB4324)  
 SY30-3006 IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR  
 PROGRAM SUPPORT FOR HARDWARE RPQ M26099 SABRE LINE CONTROL  
 \*\*SY30-3014 IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC  
 MANUAL FOR RPQ 858663, PLOTTER ADAPTER - PSHRPQ P85008 -  
 \*\*GA27-3069 SUPPLEMENTARY OPERATOR'S AND PROGRAMMER'S GUIDE INFORMATION  
 IBM 3735 WITH IBM KEYPAD UNIT AND FILE SEARCH (RPQ #853102)  
 \*\*GA27-3073 IBM 3735 WITH AUTO FDP EXECUTION RPQ #MB7057 OPERATOR'S CARD  
 GA34-1511 SYSTEM/370 IBM 5098-N05 SENSOR BASED CONTROL UNIT GENERAL  
 INFORMATION MANUAL  
 GA34-1531 IBM 5275 MACHINE TOOL CONTROL UNIT (MCU) ACCESSORY RPQ  
 D08286: GENERAL INFORMATION MANUAL  
 \*\*GA33-3015 REFERENCE MANUAL FOR IBM 5985 COLOR DISPLAY CONTROL UNIT  
 MODEL H02 AND IBM 5941 DISPLAY CONSOLE MODEL H02 (SEE  
 ABSTRACT FOR RPQ'S)  
 GA27-2740 IBM 7412 MODEL 1 CONSOLE, CUSTOM SYSTEMS RPQ AA2846,  
 CUSTOM FEATURE DESCRIPTION

15 Physical Planning

GC19-0001	IBM SYSTEM/360 WORLD TRADE INSTALLATION MANUAL-PHYSICAL PLANNING
GC22-6820	IBM SYSTEM/360 INSTALLATION MANUAL - PHYSICAL PLANNING
GC22-7004	IBM SYSTEM/370 INSTALLATION MANUAL -- PHYSICAL PLANNING
GL22-6928	IBM AIRLINES RESERVATION SYSTEM, REMOTE EQUIPMENT INSTALLATION MANUAL - PHYSICAL PLANNING
GX22-6985	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 CHANNELS: 2860, 2870, AND 2880
GX22-6857	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 COMMUNICATIONS EQUIPMENT
**GA24-3435	PLANNING AND INSTALLATION OF A DATA COMMUNICATION SYSTEM USING IBM LINE ADAPTERS
**GA27-3006	IBM REMOTE MULTIPLEXERS AND COMMUNICATIONS TERMINALS INSTALLATION MANUAL - PHYSICAL PLANNING
**GX27-2900	IBM PHYSICAL PLANNING TEMPLATE: COMMUNICATIONS TERMINALS
GX22-6859	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 CONSOLES AND TERMINALS
GX22-6858	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 DATA STORAGE DEVICES
GX22-6925	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 FIELD ENGINEERING FURNITURE AND TEST EQUIPMENT
GX22-6835	PHYSICAL PLANNING TEMPLATE IBM SYSTEM/360 HYPERTAPE
GX22-6860	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 MAGNETIC AND OPTICAL CHARACTER READERS
GX22-6855	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 MAGNETIC TAPE UNITS AND CONTROLS
GX26-5508	IBM PHYSICAL PLANNING TEMPLATE SYSTEM/360 PROCESS I/O DEVICES
GX22-6834	PUNCHED CARD AND TAPE I/O AND PRINTERS, FOR SYSTEM/360 AND SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
GX22-6894	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 MODELS 22, 25, 30, AND 40
GX22-6914	PHYSICAL PLANNING TEMPLATE SYSTEM/360 PROCESSORS MODELS 44 AND 50
GX22-6924	PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 65 MULTISYSTEM
GX22-6905	PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 67
GX22-6856	PHYSICAL PLANNING TEMPLATE: SYSTEM/360 PROCESSOR MODEL 75
GX22-6923	PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 85
GX22-7021	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 125
**GX27-2956	PHYSICAL PLANNING TEMPLATE 3790 COMMUNICATIONS SYSTEM (US)
GX22-7008	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 135
GX22-7005	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 145
GX22-7006	IBM PHYSICAL PLANNING TEMPLATE SYSTEM/370 MODEL 155
GX22-7023	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 158
GX22-7007	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 165
GX22-7022	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 168 AND MODEL 168 MULTIPROCESSING
GX22-6981	IBM PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 195
**GA24-3021	IBM 1030 DATA COLLECTION SYSTEM INSTALLATION MANUAL - PHYSICAL PLANNING
**GX21-9030	IBM PHYSICAL PLANNING TEMPLATE, 1030 DATA COLLECTION SYSTEM
**GA24-3022	IBM 1050 DATA COMMUNICATIONS SYSTEM INSTALLATION MANUAL, PHYSICAL PLANNING
**GX24-3381	IBM PHYSICAL PLANNING TEMPLATE, 1050 DATA COMMUNICATIONS SYSTEM
**GA21-9010	IBM 1060 DATA COMMUNICATIONS SYSTEM INSTALLATION MANUAL - PHYSICAL PLANNING
GA24-3561	IBM 1925 MODEL 18 INTERFACE SWITCH UNIT RPQ 811301 INSTALLATION MANUAL--PHYSICAL PLANNING
GA27-3041	IBM 1970 MODEL 1 REMOTE AUDIO RESPONSE UNIT INSTALLATION MANUAL - PHYSICAL PLANNING
GA24-3566	IBM 1972 MODEL 3 PRODUCTION TERMINAL IBM 1972 MODEL 4 INSTRUCTION CONSOLE INSTALLATION MANUAL PHYSICAL PLANNING COMPONENT DESCRIPTION
GX22-7037	2401 MAGNETIC TAPE UNIT MODELS 1 TO 6 AND 8, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
GX22-7038	2415 MAGNETIC TAPE UNIT AND CONTROL MODELS 1 TO 6, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
GX22-7039	2420 MAGNETIC TAPE UNIT MODELS 5 AND 7, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
GX22-7041	2495 TAPE CARTRIDGE READER MODEL 1, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
GC22-6939	IBM SYSTEM/360 SPECIAL FEATURE: 2680 CRT PRINTER INSTALLATION MANUAL PHYSICAL PLANNING
GA26-1600	2730 MODEL 1, 2968 MODEL 9, AND 2968 MODEL 12: INSTALLATION MANUAL - PHYSICAL PLANNING
GL27-3025	IBM 2740-1/2950-2 BATCH BUFFER TERMINAL INSTALLATION MANUAL - PHYSICAL PLANNING

**\*\*GA27-3019** IBM 2770 DATA COMMUNICATION SYSTEM  
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**\*\*GX27-2909** PHYSICAL PLANNING TEMPLATE IBM 2770 DATA COMMUNICATION  
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**\*\*GA27-3017** IBM 2790 DATA COMMUNICATION SYSTEM INSTALLATION MANUAL  
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 IBM PHYSICAL PLANNING TEMPLATE  
 GL27-3010 IBM SYSTEM/360 CUSTOM SYSTEMS UNIT,  
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 GA27-2727 IBM SYSTEM/360 CUSTOM SYSTEMS UNIT 2909 MODEL 3 -  
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 GC22-6922 IBM 2911 MODELS 1, 2, AND 5 AND IBM 2989 MODEL 8,  
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 GA24-3562 IBM 2911 MODEL 14 INTERFACE SWITCH UNIT RPQ 811503  
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 GL22-6936 IBM 2914 SWITCHING UNIT MODEL 1, RPQ 880882, CUSTOM FEATURE:  
 INSTALLATION MANUAL - PHYSICAL PLANNING  
 GA27-2724 IBM SYSTEM/360 CUSTOM SYSTEMS UNIT 2916 LONG LINE ADAPTER,  
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 GL24-3596 IBM 2922 PROGRAMMABLE TERMINAL RPQ'S 810563, 810564, 810565  
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 INSTALLATION MANUAL - PHYSICAL PLANNING  
 GA24-3516 IBM 2938 ARRAY PROCESSOR MODEL 1 RPQ W24563, MODEL 2  
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 GA24-3509 IBM 2944 DATACHANNEL REPEATER INSTALLATION MANUAL-PHYSICAL  
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 GL24-3571 IBM 2946 TERMINAL CONTROL SUBSYSTEM INSTALLATION MANUAL  
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 GL22-6982 IBM 2947 CHECK COLLECTION CONTROLLER MODEL 4 (RPQ 888264)  
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 GA24-3545 IBM 2956-5 MULTI-POCKET READER SORTER INSTALLATION MANUAL  
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 GL22-6945 IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1,  
 RPQ 888117 - INSTALLATION MANUAL - PHYSICAL PLANNING  
 GA27-2729 IBM SYSTEM/360 CUSTOM SYSTEMS UNIT 2972 MODEL 7  
 SCIENTIFIC INTERFACE CONTROL UNIT RPQ E46181  
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 OPERATOR'S GUIDE - PHYSICAL PLANNING  
 GA26-1621 INSTALLATION MANUAL PHYSICAL PLANNING IBM 2984 MODEL 1 CASH  
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**\*\*GX22-7018** 3270 INFORMATION DISPLAY SYSTEM FOR SYSTEM/360 & SYSTEM/370:  
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 GA27-2766 IBM 3600 FINANCE COMMUNICATION SYSTEM INSTALLATION MANUAL  
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 GX27-2955 IBM 3600 FINANCE COMMUNICATION SYSTEM - PHYSICAL PLANNING  
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 GA27-3074 IBM 3650 RETAIL STORE SYSTEM INSTALLATION MANUAL--PHYSICAL  
 PLANNING  
 GA27-3079 IBM 3660 SUPERMARKET SYSTEM INSTALLATION MANUAL - PHYSICAL  
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 GA27-3049 IBM 3670 BROKERAGE COMMUNICATION SYSTEM  
 INSTALLATION MANUAL--PHYSICAL PLANNING  
 GX22-7032 PHYSICAL PLANNING TEMPLATE: 3704 COMMUNICATIONS CONTROLLER  
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**\*\*GX21-9155** IBM 3740 DATA ENTRY SYSTEM PHYSICAL PLANNING TEMPLATE  
 GA27-2769 IBM 3790 COMMUNICATION SYSTEM INSTALLATION MANUAL  
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 GA27-2741 INSTALLATION BULLETIN PHYSICAL PLANNING FOR IBM 7412  
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GC28-6837 BASIC LANGUAGE REFERENCE MANUAL

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GC28-6395 IBM SYSTEM/360 COBOL DIFFERENCES USA STANDARD COBOL  
CONVERSION

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GC28-6559 IBM SYSTEM/360 CONVERSION AIDS: COBOL LANGUAGE  
CONVERSION PROGRAM FOR THE IBM 1401,  
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GY27-7108 IBM SYSTEM/360 TRANSITION AIDS: COBOL LANGUAGE  
CONVERSION PROGRAM (1401-CB-701) FOR THE IBM 1401  
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PROGRAM NUMBER 360S-SM-023

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GC27-6929 IBM SYSTEM/360 CONVERSION AIDS: SAMPLE PROBLEMS FOR IBM  
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GC28-6561 IBM SYSTEM/360 CONVERSION AIDS: THE 1401/1460 EMULATOR  
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GY27-7103 IBM SYSTEM/360 CONVERSION AIDS: THE  
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GC28-6563 IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010  
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GC28-6568 IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 EMULATOR  
PROGRAM FOR IBM SYSTEM/360 MODEL 50  
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GY28-6569 IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010  
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GC33-2003 IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 SIMULATOR  
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GY27-7115 IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 SIMULATOR FOR  
IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-754  
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GY27-7116 IBM SYSTEM/360 CONVERSION AIDS: THE 1620 SIMULATOR FOR  
IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-752  
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GC28-6529 IBM SYSTEM/360 CONVERSION AIDS: THE 1620 SIMULATOR FOR  
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GC28-6816 IBM SYSTEM/360 CONVERSION AIDS: 1620 SIMULATOR FOR IBM  
SYSTEM/360 MODEL 44 PROGRAM NUMBER 360C-SI-755

GY28-6816 IBM SYSTEM/360 CONVERSION AIDS 1620 SIMULATOR FOR IBM  
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GC28-6585 IBM SYSTEM/360 CONVERSION AIDS: THE 7040/7044  
EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65  
PROGRAM NUMBER 360C-EU-733.



GC28-6530 IBM SYSTEM/360 CONVERSION AIDS: THE 7070/7074 SIMULATOR FOR SYSTEM/360 - SYSTEMS REFERENCE LIBRARY PROGRAM NUMBER 360C-SI-753

GY27-7117 IBM SYSTEM/360 CONVERSION AIDS: THE 7070/7074 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-753 PROGRAM LOGIC MANUAL

GC27-6908 IBM SYSTEM/360 CONVERSION AIDS: THE 7074 EMULATOR PROGRAM FOR IBM SYSTEM/360, MODELS 50 AND 65, PROGRAM NUMBER 360C-EU-725

GY27-7111 IBM SYSTEM/360 CONVERSION AIDS: THE 7074 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODELS 50 AND 65 PROGRAM LOGIC MANUAL PROGRAM NUMBER 360C-EU-725

GC27-6911 IBM SYSTEM/360 CONVERSION AIDS: THE 7080 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65, PROGRAM NUMBER 360C-EU-727

GC28-6531 IBM SYSTEM/360 CONVERSION AIDS: THE 7080 SIMULATOR FOR IBM SYSTEM/360, PROG. NO. 360C-SI-751

GY27-7118 IBM SYSTEM/360 CONVERSION AIDS: THE 7080 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-751 PROGRAM LOGIC MANUAL

GC28-6565 IBM SYSTEM/360 CONVERSION AIDS: THE 709/7090/7094/7094 II EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65, PROGRAM NUMBER 360C-EU-729

GY28-6566 IBM SYSTEM/360 CONVERSION AIDS: THE 709/7090/7094/7094 II EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65 PROGRAM LOGIC MANUAL - PROG. NO. 360C-EU-729

GC28-6532 IBM SYSTEM/360 CONVERSION AIDS: THE 7090/7094 SIMULATOR FOR IBM SYSTEM/360 PROGRAM NUMBER 360C-SI-750

GY27-7119 IBM SYSTEM/360 CONVERSION AIDS: THE 7090/7094 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-750 PROGRAM LOGIC MANUAL

40 System Operation

SR20-1078 SYSTEM/360 - 370 OPERATOR'S REFERENCE GUIDE

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<u>20 GENERAL INFORMATION</u>							
GC28-6644-7 GT28-6644-5				X	X	X	SRL Master Index
GC28-6534-4 GT28-6534-2 GN28-2450 GN28-2458			X	X		X	Introduction
GY28-6717-4 GT68-6717-2 GN28-2447					X	X X X	PLM Master Index
<u>21 ASSEMBLER</u>							
GC28-6514-9 GT00-0006-0 GT28-6514-6 GN33-8072	X		X		X		Assembler Language
GC28-6595-2 GN33-8084			X X	X X	X X	X X	Assembler (E) Programmers Guide
GC33-4014-0			X	X	X	X	Assembler (E) Installation Guide
GC26-3756-7 GN33-8155 GN33-8167 GN33-8183	X X X		X				Assembler (F) Programmer's Guide
GT00-0003-0 GN33-8100 GT26-3756-4 GN33-8075				X X	X	X X	
GY26-3598-0			X	X	X	X	Assembler (32K) PLM
GY26-3700-3 GN33-8156 GT66-3700-1 GY33-8028	X X		X	X	X	X X X	Assembler (64K) PLM
<u>24 COBOL</u>							
GC28-6516-9			X	X	X	X	COBOL Language - COBOL (E)
GC24-5029-4			X	X	X	X	COBOL (E) Programmer's Guide
GC28-6380-4			X	X	X	X	COBOL (F) Programmer's Guide
GC28-6395-2			X	X	X	X	COBOL Differences ANS COBOL Conversion
GC28-6396-4 GT28-6396-2 GN28-0428 GN28-0439 GN28-0478			X X X X	X X	X		Full American National Standard COBOL
GC28-6399-2 GN28-1038	X	X					Full ANS COBOL Programmer's Guide
GT00-0067-0 GN28-0408 GN28-0422 GN28-0437 GN28-0473			X X X X X	X X X	X X	X X	
GC28-6400-1			X	X	X	X	Conversion Aids - COBOL to ANS COBOL
GY24-5009-2			X	X	X	X	COBOL (E) PLM
GC33-2001-2		X					COBOL to PL/I Language Conversion
GY33-7007-1			X	X	X	X	COBOL to PL/I Language Conversion for OS PLM
GY28-6382-2			X	X	X	X	COBOL (F) PLM

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GY28-6395-1		X	X				American National Standard COBOL
GN28-0499		X					
GT00-0046-0				X	X	X	
GN28-0400				X	X	X	
GN28-0416				X	X		
<u>25 FORTRAN</u>							
GC28-6629-2			X	X	X	X	Basic FORTRAN IV Language
GC28-6515-10			X	X	X	X	FORTRAN IV Language
GC28-6430-0			X	X	X	X	FORTRAN IV (E) Compiler Installation Reference Material
GC28-6817-3			X	X	X	X	FORTRAN IV (G) and (H) Programmer's Guide
GC28-6603-3			X	X	X	X	FORTRAN IV (E) Programmer's Guide
GC28-6819-0			X	X	X	X	Language Handbook for Conversion from 7090/7094 FORTRAN IV
GC28-6818-1			X	X	X	X	FORTRAN IV Library-Mathematical and Service Subprograms
GC33-2002-2			X	X	X	X	Conversion Aids: FORTRAN IV to PL/I Language Conversion Program for OS
GY27-7152-1			X	X	X	X	GSP for FORTRAN IV, COBOL and PL/I PLM
GN27-1334			X				
GC27-6937-2			X	X	X	X	S/360 and 1130 Disk Monitor System FORTRAN IV Subroutines for Data Transmission between S/360 and a 1130 System
GY27-7161-0			X	X	X	X	S/360 and 1130 DMS Data Transmission for FORTRAN PLM
GY27-7194			X	X	X	X	
GY28-6601-3			X	X	X	X	FORTRAN IV (E) Compiler PLM
GY28-6638-2			X	X	X	X	FORTRAN IV (G) Compiler PLM
GY28-6642-5			X	X	X	X	FORTRAN IV (H) Compiler PLM
GY28-6831-2			X	X			FORTRAN IV Syntax Checker PLM
GT68-6831-0					X	X	
<u>26 ALGOL</u>							
GC33-2000-2			X	X	X	X	Conversion aids - ALGOL TO PL/I Language
GC28-6615-3			X				ALGOL Language
GT00-0013-0				X	X	X	
GC33-4000-3			X				ALGOL Programmer's Guide
GN12-5900			X				
GT00-0037-0				X	X	X	
GN33-8091				X	X		
GY33-8000-0			X	X	X	X	ALGOL (F) Compiler PLM
GN33-8129			X				
GY33-8001				X	X	X	
GY33-8003				X	X	X	
GY33-7006-0			X	X	X	X	ALGOL to PL/I Language Conversion for OS PLM
<u>28 RPG</u>							
GC24-3337-6			X	X	X	X	Report Program Generator Program
GY26-3704-0			X	X	X	X	RPG - PLM
GY21-0006			X	X	X	X	
GY21-0011			X	X	X	X	

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<u>29. PL/I</u>							
GC28-6590-2			X	X	X	X	PL/I Subroutine Lib. Computational Subroutines
GC28-6594-8		X	X	X	X	X	PL/I (F) Programmer's Guide
GC28-8201-4			X	X	X	X	PL/I (F) Language Reference Manual
GY28-6800-5			X	X	X	X	PL/I (F) Compiler PLM
GY28-6801-6			X	X	X	X	PL/I Subroutine Library PLM
GY33-8009-1			X	X	X	X	PL/I Syntax Checker PLM
<u>30 ACCESS METHODS, DATA MANAGEMENT, I/O CONTROL PROGRAMS</u>							
GY28-6617-6			X				Basic Direct Access Methods PLM
GT00-0054-0				X			
GT68-6617-4					X	X	
GN26-8007					X		
GY28-6606-3			X				Catalog Mgmt PLM
GT00-0049-0				X	X	X	
GN26-8006				X	X	X	
GY35-0002				X			
GY35-0007						X	
GC26-3794-1			X				OS Data Management Macro Instructions
GC26-3746-2	X						Data Management Services Guide
GT00-0124-0		X					
GT00-0002-0				X	X		
GN26-0624				X			
GN26-0631				X			
GC28-6550-11	X						Data Management for System Programmers
GT00-0117-0		X					
GN26-0750			X				
GY28-6607-9	X						Direct Access Device Space Mgmt PLM
GT00-0143-0					X		
GT00-0050-0				X			
GT68-6607-6					X	X	
GN26-8012					X		
GC27-6933-3			X	X	X	X	User's Guide for Job Control from the IBM 2250
GN27-1371			X				
GC27-6938-1			X	X	X	X	S/360 OS & 1130 DMS: User's Guide for Job Control from a 2250 Display Unit attached to an 1130 System
GN27-1315			X	X	X	X	
GN27-1330			X	X	X	X	
GN27-1370			X				
GY27-7113-6			X				Graphic Access Method PLM
GT00-0040-0				X	X	X	
GY27-7110-1			X	X	X	X	Graphics Problem Oriented Routines PLM
GC27-6909-6			X	X	X	X	Graphic Programming Services for 2250
GC27-6912-8			X				Graphic Programming Services for 2260 Display Station (Local Attachment)
GT00-0004-0				X	X	X	
GC27-6927-1			X	X	X	X	GPS for 2280 & 2282 File Units
GC27-6932-4			X	X	X	X	GPS for FORTRAN IV, COBOL and PL/I
GY28-6618-6			X				Indexed Sequential Access Methods PLM
GT00-0055-0				X			
GT68-6618-3					X	X	
GN26-8001					X	X	
GY28-6616-9			X				Input/Output Suprv. PLM
GN26-8036	X						
GT00-0053-0				X			
GT68-6616-7					X	X	

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GN26-8013					X		
GY28-6609-6			X				S/360 Input/Output Support Open/Close/EOV PLM
GT00-0051-0				X	X		
GN26-8015				X			
GT68-6609-4						X	
GY28-6604-5			X				Sequential Access Method PLM
GT00-0048-0				X			
GT68-6604-3					X	X	
GN26-8009					X		
GC28-6680-5	X						Tape Labels
GQ28-6680-4		X					
GT00-0019-0				X	X		
GN26-0625				X			
GT28-6680-2						X	
GC30-2004-7	X						BTAM
GN27-1420	X						
GN27-1425	X						
GT00-0128-0		X					
GN30-2551		X					
GN30-2563		X					
GN30-2569		X					
GN30-2570		X					
GN30-2571		X					
GY30-2001-6		X					BTAM PLM
GT00-0069-0			X	X	X	X	
GY30-2552			X	X	X		
GY30-2564				X			
GC30-2005-3			X	X			QTAM Message Control Program
GT30-2005-2				X	X	X	
GN30-2526				X	X	X	
GC30-2003-4			X	X	X	X	QTAM Message Processing Programs
GY30-2002-3			X	X	X	X	QTAM PLM
GC30-2022-2		X					
GT00-0076-0			X	X	X		TCAM Concepts & Facilities
GN30-2561			X				
GC30-1007-2		X					MFT/MVT TCAM Level 4 Component Release Guide
GC30-2024-4	X						TCAM Programmer's Guide and Reference Manual
GT00-0139-0		X	X				
GN30-2579		X	X				
GT00-0070-0			X				
GN30-2573			X				
GT00-0036-0			X				
GT30-2024-0				X			
GN30-2558				X			
GC30-3009-0		X					NCP/TCAM Network User's Guide
GC30-2028-1			X	X	X		Planning for TCAM with the 3705 Communications Controller
GY30-2029-4		X	X				TCAM PLM
GT00-0065-0			X	X			
GY30-2566			X				
GY30-2027-0			X	X	X		TCAM Serviceability Aids PLM
GC30-2025-2	X						TCAM User's Guide
GT30-2025-0			X				
GC30-2026-1			X	X	X		OS Conversion Guide from QTAM or BTAM to TCAM
GC26-5929-8			X	X	X	X	1130 Subroutine Library
GC21-5004-3			X				Data Management Services & Macros for
GT00-0001-0				X	X	X	
GN21-5124				X	X	X	
GN21-5154				X			

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GY21-0013-2			X				1285, 1287, 1288 Optical Readers PLM
GT00-0039-0				X	X	X	
GN21-5123				X	X	X	
GN21-5136				X	X		
GN21-5155				X			
GC21-5006-4			X	X	X	X	IBM 1419/1275 Data Management Macro Instructions and Services
GY21-0012-2			X	X	X	X	OS BSAM Logic for IBM 1419/1275
GC21-5097-0				X			OS and OS/VS Programming Support for the IBM 3505 Card Reader and IBM 3525 Card Punch

31 SUPPORT PROGRAMS

GC28-6429-0			X	X	X	X	Linkage Editor (E) Installation Reference
GC28-6538-10			X				Linkage Editor and Loader
GT00-0007-0				X	X	X	
GN28-0272				X	X	X	
GN28-0423				X	X		
GN28-0435				X			
GN28-0474						X	
GX20-1739-4			X				Linkage Editor and Loader Reference Summary
GY28-6610-3			X	X	X	X	Linkage Editor (E) PLM
GY28-6667-2			X				Linkage Editor (F) PLM
GT00-0060-0				X	X		
GN28-0434				X			
GT68-6667-0						X	
GY28-2357						X	
GY28-6401						X	
GY28-6404						X	
GN28-0481						X	
GY28-6714-2			X	X	X		Loader PLM
GT68-6714-0						X	
GY28-2401						X	
GY28-6405						X	
GN28-0482						X	
GC27-6918-3			X	X	X	X	Maintenance Program
GY28-7106-0			X	X	X	X	Update Analysis Program PLM

32 UTILITIES

GC28-6586-15	X						Utilities
GT00-0123-0		X					
GT00-0012-0				X	X		
GN35-0001				X			
GN35-0003				X			
GT28-6586-11						X	
GT00-0066-0 (PCP only)					X		OS/360 Utilities (PCP Only)
GY28-6614-8			X				Utilities PLM
GN35-0009	X						
GN35-0013	X						
GT00-0052-0				X	X		
GY35-0001				X			
GT68-6614-6						X	
GY35-0006						X	

33 SORT/MERGE

GC28-6543-8			X				Sort/Merge
GT00-0008-0				X	X		
GN33-8096				X			
GT28-6543-5						X	
GN33-8054						X	

RELEASE STATUS

<u>ORDER NO.</u>	<u>21.7</u>	<u>21.6</u>	<u>21.0</u>	<u>20.1</u>	<u>20.0</u>	<u>19</u>	<u>TITLE</u>
GN33-8070						X	
GC28-6662-1			X	X	X	X	Sort/Merge Timing Estimates
GY28-6597-4			X				Sort/Merge PLM
GN33-8164			X				
GT00-0047-0				X	X	X	
GY33-8030				X	X	X	

34 SYSTEM PLANNING, GENERATION, INSTALLATION, SMF

GC27-6939-10			X				MFT Guide
GN28-2546	X						
GT00-0005-0				X			
GQ27-6939-8					X		
GC28-6716-0			X	X	X	X	Feature Guide
GN28-2449				X			
GC28-6720-4			X				MVT Guide
GN28-2553	X						
GT00-0026-0				X			
GQ28-6720-2					X		
GN28-2460				X			
GC28-6730-5	X						Release 21.7 Guide
GT00-0122-0		X					Release 21.6 Guide
GT00-0072-0			X				Release 21.0 Guide
GT00-0071-0			X				
GN28-2530			X				
GN28-2532			X				
GT00-0027-0				X			Release 20.1 Guide
GN28-2496				X			
GN28-2498				X			
GN28-2514				X			
GN28-2516				X			
GT28-6730-0					X		Release 20 Guide
GN28-2465					X		
GC28-6733-1						X	Release 19 Guide
GN28-2432						X	
GN28-2434						X	
GN28-2453						X	
GN28-2466						X	
GC28-6551-16	X						Storage Estimates
GT00-0113-0		X					
GT00-0125-0			X				
GN28-2517			X				
GN28-2533			X				
GT00-0010-0				X			
GN28-2495				X			
GN28-2499				X			
GQ28-6551-12					X		
GN28-2455					X		
GT28-6551-11						X	
GN28-2438						X	
GC28-6554-12	X						System Generation
GQ28-6554-11		X					
GN26-0637		X					
GT00-0011-0				X	X		
GN26-0627				X			
GN26-0629				X	X		
GN26-0634				X			
GN26-0635				X			
GT28-6554-9						X	
GN26-0613						X	
GN26-0628						X	
GN28-2439						X	
GC28-6712-7		X					System Management Facilities
GT28-6712-6			X				
GT00-0024-0				X			
GN35-0002				X			

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<b>36 CONTROL PROGRAM</b>							
GC28-6708-5			X				Advanced Checkpoint/Restart
GT00-0023-0				X	X	X	
GN26-0620				X	X		
GN26-0623				X			
GC28-6628-9	X						System Control Blocks
GT00-0114-0		X					
GT00-0014-0				X			
GQ28-6628-6					X		
GN28-2464					X		
GT28-6628-5						X	
GC28-6703-2							Job Control Language User's Guide
GT00-0077-0		X					
GQ28-6703-1					X		
GT28-6703-0						X	
GC28-6704-3	X						Job Control Language Reference
GT00-0115-0		X					
GT00-0022-0				X			
GT28-6704-0					X	X	
GN28-2451					X		
GC28-6550-11	X						System Programmer's Guide
GT00-0009-0				X			
GN28-2494				X			
GT28-6550-8					X	X	
GN28-2437					X	X	
GN28-2452					X		
GN28-2456				X			
GY27-7128-7			X				Job Management with MFT, PLM
GT00-0041-0				X	X		
GN28-2468				X			
GY28-6660-9			X				MVT Job Management PLM
GN28-2551	X						
GT00-0058-0				X			
GQ68-6660-6					X		
GC28-6792-0	X						OS Power Warning Feature Support - ICR Guide
GY28-6661-5			X				IPL and NIP PLM
GN27-1404	X						
GT00-0059-0				X	X		
GN27-1344				X			
GN27-1353				X			
GT68-6661-3						X	
GX28-6783-0			X				Job Control Language Syntax Ref Summary
GY27-7159-1			X	X	X	X	Graphic Job Processor Support PLM
GY27-7166-0			X	X	X	X	S/360 & 1130 Disk Monitor System Job Processing
GY27-7192			X	X	X	X	from a remote 1130/2250 Subsystem PLM
GC28-6646-6			X				Supervisor Services and Macro Instructions
GN27-1419	X						
GT00-0016-0				X			
GQ28-6646-4					X		
GN27-1350					X		
GT28-6646-3						X	
GQ28-6647-5				X	X		Supervisor & Data Mgmt Macro Instructions
GT28-6647-4						X	
GY27-7236-2	X						MFT Supervisor PLM
GT00-0120-0		X					
GN27-1378			X				
GT00-0044-0				X	X		
GN27-1349				X			
GN27-1364				X			
GY28-6605-5						X	Introduction to Control PLM
GY28-6612-5						X	PCP Supervisor PLM
GY28-6613-5						X	PCP Job Management PLM



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GY28-6659-7	X						MVT Supervisor PLM
GT00-0121-0		X					
GN27-1379			X				
GT00-0057-0				X	X		
GN27-1354				X			
GN27-1363				X			
GC27-6942-2			X	X	X	X	Intro to Main Storage Hierarchy Support for 236 Models 1 & 2
<u>37 RAS</u>							
GC28-6670-6	X						Programmer's Guide to Debugging
GN28-2545	X						
GT00-0018-0				X	X		
GN28-2457				X			
GN28-2472				X			
GT28-6670-3						X	
GY27-7155-3			X	X	X	X	Machine Check Handler for S/360 Model 65 PLM
GY27-7184-2			X	X	X		Machine Check Handler for S/360 Model 85 PLM
GT67-7184-0						X	
GN27-1332						X	
GY27-7198-2	X						Machine Check Handler for S/370 Models 155 through 168 PLM
GT00-0119-0		X					
GT00-0042-0				X	X		
GY27-7237-1			X				OS Machine Check Handler for S/370 Models 135 and 145
GT00-0045-0				X			
GC27-6970-0			X				OS Problem Determ. Aids & Msgs/Codes for GPS & G
GC28-6650-6			X				On-line Test Executive Program
GN28-2549	X						
GT00-0017-0				X			
GQ28-6650-4					X		
GT28-6650-3						X	
GY28-6651-5			X				Online Test Executive Program PLM
GN28-2550	X						
GT00-0056-0				X			
GT68-6651-2						X	
GC28-6719-2			X				Service Aids
GN28-2552	X						
GT00-0025-0				X	X		
GN28-2478				X			
GT28-6719-0						X	
GY28-6721-0			X				Service Aids Logic
GN28-2554	X						
GC28-6791-0	X	X	X				OS System Modification Program (SMP)
GX28-0684-0	X	X	X				OS and OS/VS SMP Reference Summary
GC28-6747-3							Reliability Data Extractor (RDE) Guide
GT28-6747-2		X	X				
GT00-0029-0				X			
GX28-6749-3			X				Service Aids - Reference Card
GT00-0038-0				X			
GC28-6648-1				X	X	X	TESTSTRAN
GY28-6611-1				X	X	X	TESTSTRAN PLM
GC26-3796-0			X				TESTSTRAN System Information
<u>38 REMOTE JOB ENTRY</u>							
GC30-2012-1			X				Conversational RJE Concepts & Facilities
GN28-0596			X				

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GT00-0033-0				X	X	X	
GC30-2014-1			X				Conversational RJE Terminal User's Guide
GN28-0597			X				
GN28-0612	X						
GT00-0034-0				X	X	X	
GN30-2549				X	X		
GC30-2016-1			X				Conversational RJE System Programmer's Guide
GN28-0598			X				
GN28-0613	X						
GN28-0618	X						
GT00-0035-0				X	X	X	
GN30-2548				X	X		
GC30-2006-5		X	X				Remote Job Entry
GN28-0602		X					
GN28-0611	X						
GT00-0032-0				X	X	X	
GN30-2543				X	X		
GN30-2547				X	X		
GN30-2555				X			
GY30-2005-4			X	X	X	X	RJE PLM
GY30-2542			X	X	X		
GY30-2557			X				
GY30-2011-1			X				Conversational RJE PLM
GN28-0599			X				
GN28-0614	X						
GN28-0617	X						
GT00-0062-0				X	X	X	
GY30-2550				X	X		
GY30-2553				X	X		

39 TIME SHARING

GC28-6698-6							TSO Guide
GT00-0111-5		X	X				
GT00-0021-0				X			
GN28-2497				X			
GN28-2502				X			
GT28-6698-2				X			
GX28-6781-1		X					TSO Command Language Reference Summary
GC28-6732-4	X						TSO Command Language Reference
GT00-0112-0		X	X				
GT00-0028-0				X			
GN28-2480				X			
GN28-2503				X			
GY28-6771-1			X	X			TSO Command Processor PLM, Vol 1
GY28-6772-1			X	X			TSO Command Processor PLM, Vol 2
GY28-6773-1			X				TSO Command Processor PLM, Vol 3
GT00-0063-0				X			
GN28-2485				X			
GY28-6774-1			X	X			TSO Command Processor PLM, Vol 4
GY28-6775-1			X	X			TSO Command Processor PLM, Vol 5
GY28-6776-0			X	X			TSO Command Processor PLM, Vol 6
GN28-2492			X	X			
GY28-6777-1			X	X			TSO Command Processor PLM, Vol 7
GY27-7199-3		X	X				TSO Control Program PLM
GT00-0043-0				X			
GC28-6764-2		X					TSO Guide to Writing a Terminal Monitor Program or a Command Processor
GT00-0073-0		X					
GN28-2523			X				
GT00-0031-0				X			
GN28-2484				X			

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GY28-6770-2		X	X				TSO Terminal Monitor Program and Service Routines PLM
GT00-0074-0			X				
GN28-2524			X				
GT00-0061-0			X				
GC28-6762-1			X	X			TSO Terminals
GN30-3013			X				
GC28-6763-2			X				TSO Terminal User's Guide
GN28-2555	X						
GT00-0030-0				X			
GN28-2483				X			

40 SYSTEM OPERATION

GC27-6949-2	X						Operator's Guide for Display Consoles
GT27-6949-1			X				
GN27-1374			X				
GT00-0064-0				X	X	X	
GN27-1356				X	X		
GN27-1362				X	X		
GC28-6691-3			X				Operator's Reference
GN28-2544			X				
GT00-0020-0				X	X		
GN28-2463				X			
GN28-2473				X			
GN28-2500				X			
GT28-6691-1						X	
GN28-2433						X	
GN28-2444						X	
GC28-6692-2	X		X	X	X	X	Operator's Procedures
GC28-6631-13	X						Messages and Codes
GT00-0116-0			X				
GT00-0015-0			X				
GN28-2501				X			
GQ28-6631-10					X		
GN28-2461				X			
GT28-6631-9						X	
GN28-2429						X	
GN28-2440						X	

● OS - RELEASE INDEPENDENT PUBLICATIONS (20-40)

● ASP (Attached Support Processor/Asymmetric Multiprocessing System)

36 Control Program

GH20-0322 IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2, APPLICATION PROGRAMMER'S MANUAL PROGRAM NUMBER 360A-CX-15X

GH20-0321 IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2 CONSOLE OPERATOR'S MANUAL PROGRAM NUMBER 360A-CX-15X

GH20-0323 IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2, SYSTEM PROGRAMMER'S MANUAL PROGRAM NUMBER 360A-CX-15X

GX20-1827 SYSTEM/360/370 ASP REFERENCE CARD, PROGRAM NUMBER 360A-CX-15X

GY20-0305 IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-15X

GT60-0305 SYSTEM/360 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-15X

GH20-1173 IBM SYSTEM/360 AND SYSTEM/370 ASP VERSION 3 ASYMMETRIC MULTI PROCESSING SYSTEM: GENERAL INFORMATION MANUAL, PROG. NO. 360A-CX-15X

GH20-1289 ASYMMETRIC MULTIPROCESSING SYSTEM OPERATOR'S MANUAL, PROG. NO. 360A-CX-15X

GH20-1290 ASYMMETRIC MULTIPROCESSING SYSTEM: MESSAGES & CODES MANUAL, PROGRAM NUMBER 360A-CX-15X

GH20-1291 ASYMMETRIC MULTIPROCESSING SYSTEM - APPLICATION PROGRAMMER'S MANUAL - PROGRAM NUMBER 360A-CX-15X

GH20-1292 IBM S/360 AND S/370 ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM - SYSTEM PROGRAMMER'S MANUAL - PROGRAM NUMBER 360A-CX-15X

GH20-1403 IBM SYSTEM/360 AND SYSTEM/370 ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM LOGIC MANUAL - PROGRAM NUMBER 360A-CX-15X

GX20-1927 ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM: OPERATORS REFERENCE BOOKLET - PROG. NO. 360A-CX-15X

● CALL-OS

20 General Information

GH20-0673 CALL/360-OS SYSTEM DESCRIPTION MANUAL, PROGRAM NUMBER 360A-CX-42X

23 BASIC

GH20-0699 CALL-OS BASIC LANGUAGE REFERENCE MANUAL - PROGRAM NUMBER  
360A-CX-44X  
GX20-1811 CALL/360-OS BASIC REFERENCE CARD - PROG. NO. 360A-CX-44X  
GY20-0530 CALL-OS BASIC, SYSTEM MANUAL, PROG. NO. 360A-CX-44X

25 FORTRAN

\*\*GH20-0710 CALL-OS FORTRAN LANGUAGE REFERENCE MANUAL  
GX20-1812 CALL/360-OS FORTRAN REFERENCE CARD - PROG. NO. 360A-CX-46X  
GY20-0531 CALL/360-OS FORTRAN SYSTEM MANUAL, PROG. NO. 360A-CX-46X

29 PL/I

GH20-0700 CALL/360-OS PL/I LANGUAGE REFERENCE MANUAL  
GX20-1810 CALL-OS PL/I REFERENCE CARD - PROG. NO. 360A-CX-45X  
GY20-0567 CALL-OS PL/I SYSTEM MANUAL VOLUME I  
GY20-0568 CALL/360-OS PL/I SYSTEM MANUAL VOLUME II  
GY20-0569 CALL/360-OS PL/I SYSTEM MANUAL VOLUME III  
PROGRAM NUMBER 360A-CX-42X  
GY20-0570 CALL/360 OS PL/I SYSTEM MANUAL VOLUME 4

32 Utilities

GY20-0795 CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 1  
PROGRAM NUMBER 360A-CX-42X  
GY20-0796 CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL - VOLUME 2  
PROGRAM NUMBER 360A-CX-42X  
GY20-0797 CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 3  
PROGRAM NUMBER 360A-CX-42X  
GY20-0798 CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 4  
PROGRAM NUMBER 360A-CX-42X

34 System Planning, Generation, Installation, SMF

GH20-0786 CALL/360-OS EXECUTIVE AND UTILITIES PROGRAM DESCRIPTION  
MANUAL (PROGRAM NUMBER 360A-CX-42X)

40 System Operation

GH20-0788 CALL/360-OS OPERATOR'S MANUAL PROGRAM NUMBER 360A-CX-42X  
GH20-0787 CALL-OS TERMINAL OPERATIONS MANUAL  
PROGRAM NUMBER 360A-CX-42X  
GX20-1830 CALL-OS TERMINAL COMMAND LANGUAGE - REFERENCE CARD  
PROGRAM NUMBER 360A-CX-42X

REAL TIME MONITOR

36 Control Program

GH20-0824 INTRODUCTION TO THE REAL-TIME MONITOR  
GH20-0876 THE REAL-TIME MONITOR (RTM) PROGRAM DESCRIPTION MANUAL,  
PROGRAM NUMBER 360A-SV-001  
GH20-0877 The REAL-TIME MONITOR (RTM), PROGRAM NUMBER 360A-SV-001  
OPERATIONS AND PROGRAMMER'S GUIDE  
GY20-0599 THE REAL-TIME MONITOR (RTM) SYSTEM MANUAL,  
PROGRAM NUMBER 360A-SV-001

OTHER

20 General Information

GX28-6731 OPERATING SYSTEM SUMMARY CHART  
S229-3169 SYSTEM/360 OPERATING SYSTEM HANDBOOK

25 FORTRAN

GC28-6596 IBM SYSTEM/360 FORTRAN IV LIBRARY SUBPROGRAMS  
PROG. NOS. 360S-LM-501, 360F-LM-619, 360N-LM-480

29 PL/I

GX33-6000 IBM SYSTEM/360 OPERATING SYSTEM PL/1 (F)  
REFERENCE CARD: KEYWORDS

30 Access Methods, Data Management, I/O Control Programs

GC27-6975 IBM 2260 BTAM AND 2260 GAM TO IBM 3270 BTAM CONVERSION  
GUIDE - PROGRAM NUMBERS 360S-CQ-513, 360N-CQ-469  
GC21-5008 IBM SYSTEM/360 OPERATING SYSTEM PLANNING FOR THE  
IBM 3211 PRINTER DATA MANAGEMENT MACRO INSTRUCTIONS AND  
SERVICES

GC27-6999	AN INTRODUCTION TO PROGRAMMING THE IBM 3270
GC30-3003	3704 AND 3705 COMMUNICATIONS CONTROLLERS ASSEMBLER LANGUAGE
GC30-3005	3704 & 3705 COMMUNICATIONS CONTROLLERS, EMULATION PROGRAM STORAGE & PERFORMANCE REFERENCE MANUAL
SY30-3001	IBM 3705 COMMUNICATIONS CONTROLLER EMULATION PROGRAM PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360H-TX-033
GC30-3002	3704 & 3705 COMMUNICATIONS CONTROLLERS, EMULATION PROGRAM GENERATION AND UTILITIES, GUIDE AND REFERENCE MANUAL
GC30-3006	PROG. NOS. 360H-TX-033,35,36; 5735-SC1; 5744-AN1, 5747-AG1
GC30-3000	IBM 3705 COMMUNICATIONS CONTROLLER NETWORK CONTROL PROGRAM STORAGE AND PERFORMANCE ESTIMATES FOR OS/TCAM AND OS/V5 TCAM USERS, PROG. NOS. 360H-TX-034, 360S-CQ-548, 5735-SC2
GC30-3000	3704 AND 3705 COMMUNICATIONS CONTROLLERS, NETWORK CONTROL PROGRAM GENERATION & UTILITIES: GUIDE & REFERENCE MANUAL (FOR OS/MFT & OS/MVT TCAM USERS), PROG. NO. 360H-TX-038
SY30-3003	IBM 3705 COMMUNICATIONS CONTROLLER NETWORK CONTROL PROGRAM PLM, PROG. NO. (OS) 360H-TX-034
SY30-3008	IBM 3704 AND 3705 DATA AREAS
**GY30-3012	IBM 3704 AND 3705 PROGRAM REFERENCE HANDBOOK
GC30-3001	IBM 3735 PROGRAMMER'S GUIDE (OS, DOS, AND VS SYSTEMS)
GY30-3000	IBM 3735 PROGRAMMABLE BUFFERED TERMINAL FORM DESCRIPTION MACRO INSTRUCTIONS AND FORM DESCRIPTION UTILITY PROGRAM LOGIC MANUAL (OS, DOS, AND VS SYSTEMS)
**GC21-5071	IBM 3740 BTAM/TCAM PROGRAMMER'S GUIDE

### 35 Emulation, Simulation

GC26-3777	DOS TO OS EMULATOR
SY26-3741	DOS EMULATOR LOGIC (ON IBM SYSTEM/370 UNDER OS), PROG. NO. 360C-EU-738 (FOR MFT/MVT), 5744-AS1 (FOR VS)
GC33-2008	1401/1440/1460 OS EMULATOR ON SYSTEM/370 REFERENCE MANUAL PROGRAM NUMBERS 360C-EU-735 AND 5744-AH1
SY33-7011	1401/1440/1460 OS EMULATOR ON SYSTEM/370 LOGIC - PROGRAM NUMBERS 5744-AH1 AND 360C-EU-735
GC33-2009	1410/7010 EMULATOR ON SYSTEM/370 145/155 - REFERENCE, PROG. NOS. 360C-EU-736 AND 5744-AG1
GY33-7012	1410/7010 OS EMULATOR ON SYSTEM/370 LOGIC - PROGRAM NUMBERS 5744-AG1 AND 360C-EU-736
GC27-6948	7074 OS EMULATOR ON SYSTEM/370 REFERENCE, PROG. NOS. 360C-EU-739, 741 (OS); 5744-AJ1, AK1 (VS1, VS2)
GC27-6952	7080 OS EMULATOR ON MODELS 165/168: REFERENCE, PROG. NOS. 360C-EU-737 (MFT/MVT), 5744-AL1 (VS1/V52)
GC27-6951	EMULATING THE IBM 7094 ON IBM MODELS 85 AND 165 USING OS/360 PROG. NO. 360C-EU-734 (FOR MOD 85), 360C-EU-740 (FOR MOD 165)
GC27-6983	7094 OS EMULATOR ON MODELS 165/168 REFERENCE PROGRAM NUMBER FOR OS/MFT AND OS/MVT - 360C-EU-740 AND PROGRAM NUMBER FOR OS/V51 AND OS/V52 - 5744-AM1
GY27-7187	PROGRAM TO EMULATE THE IBM 7094 ON IBM MODELS 85 & 165 USING OS/360, PROG. NOS. 360C-EU-734 (M85), 360C-EU-740 (M165)
GY27-7259	7094 OS EMULATOR ON MODELS 165/168: LOGIC, PROG. NOS. 360C-EU-740 (MFT/MVT) & 5744-AM1 (VS1/V52)

### 36 Control Program

GH20-1171	SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM (S/370 DSP) GENERAL INFORMATION MANUAL, PROG. NO. 360A-TX-032
GH20-9500	IBM SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM REFERENCE MANUAL PROGRAM NUMBER 360A-TX-032
GH20-9501	SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM OPERATIONS GUIDE, PROG. NO. 360A-TX-032
GY20-8500	IBM SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360A-TX-032
GH20-1058	RESOURCE SECURITY (FOR OS/MVT)-GENERAL INFORMATION AND PLANNING MANUAL, PROG. NO. 360A-SV-007
GH20-1021	OS/MVT WITH RESOURCE SECURITY INSTALLATION AND SYSTEM PROGRAMMERS GUIDE - PROGRAM NUMBER 360A-SV-007
GH20-1057	OS/MVT WITH RESOURCE SECURITY, SECURITY OFFICER'S GUIDE PROGRAM NUMBER 360A-SV-007
GY20-0738	OS/MVT WITH RESOURCE SECURITY - LOGIC MANUAL PROGRAM NUMBER 360A-SV-007 TYPE 1 EXTENSION
GC27-6935	IBM SYSTEM/360 OPERATING SYSTEM PLANNING FOR ROLLOUT/ROLLIN

### 38 Remote Job Entry

GC30-2015	IBM SYSTEM/360 OPERATING SYSTEM REMOTE JOB ENTRY - PLANNING FOR IBM 2770 RJE SUPPORT
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### DOS (Disk Operating System) (20-40)

#### 20 General Information

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GY24-5017 IBM SYSTEM/360 DISK OPERATING SYSTEM INTRODUCTION TO  
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GY24-5086 IBM SYSTEM/360 DISK OPERATING SYSTEM IPL AND  
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PROGRAM NUMBER 360N-CL-453

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GY24-5152 IBM SYSTEM/360 DISK OPERATING SYSTEM  
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\*\*GY33-8533 INTRODUCTION TO DOS VERSION 4 LOGIC - PROGRAM  
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\*\*GY33-8542 DOS VERSION 4 IPL AND JOB CONTROL MANUAL - PROGRAM  
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\*\*GY33-8532 DOS VERSION 4 LOGICAL TRANSIENTS - PROGRAM  
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\*\*GY33-8534 DOS VERSION 4 SUPERVISOR AND RELATED TRANSIENTS - PROGRAM  
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GY24-5027 IBM SYSTEM/360 DISK OPERATING SYSTEM AUTOTEST  
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GC28-2003 IBM SYSTEM/360 TIME SHARING SYSTEM CONCEPTS AND FACILITIES

GC28-2048 IBM SYSTEM/360 TIME SHARING SYSTEM INTRODUCING TSS/360  
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GC28-2025 IBM SYSTEM/360 TIME-SHARING SYSTEM FORTRAN PROGRAMMER'S  
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GY28-2019 IBM SYSTEM/360 TIME SHARING SYSTEM: FORTRAN IV COMPILER  
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GC28-2045 IBM SYSTEM/360 TIME-SHARING SYSTEM PL/I REFERENCE MANUAL  
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GY28-2016 IBM SYSTEM/360 TIME SHARING SYSTEM ACCESS METHODS  
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 GC28-2056 IBM SYSTEM/360 TIME SHARING SYSTEM  
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 GY28-2030 IBM SYSTEM/360 TIME-SHARING SYSTEM LINKAGE EDITOR  
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 GY28-2015 IBM SYSTEM/360 TIME SHARING SYSTEM:  
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 GC28-2034 IBM SYSTEMS/360 TIME SHARING SYSTEM  
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GY28-2013 TIME SHARING SYSTEM/360 COMMAND LANGUAGE  
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 GC28-2001 IBM SYSTEM/360 TIME-SHARING SYSTEM COMMAND SYSTEM USER'S  
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 GC28-2008 IBM SYSTEM/360 TIME SHARING SYSTEM  
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GY28-2042 IBM SYSTEM/360 TIME SHARING SYSTEM:  
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GC28-2044 IBM SYSTEM/360 TIME-SHARING SYSTEM PLANNING FOR REMOTE  
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GC28-2037 IBM SYSTEM/360 TIME SHARING SYSTEM: SYSTEM MESSAGES  
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GC28-2017 IBM SYSTEM/360 TIME SHARING SYSTEM VERSION 8.1: TERMINAL  
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### 20 General Information

GC28-6810 IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEMS CONCEPTS AND  
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### 21 Assembler

GC28-6811 IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM ASSEMBLER  
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GY28-6815 IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM FORTRAN IV  
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GC28-6515 SYSTEM/360 AND SYSTEM/370 FORTRAN IV LANGUAGE, PROG. NO.  
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GC28-6819 IBM SYSTEM/360 FORTRAN IV LANGUAGE HANDBOOK FOR CONVERSION  
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GY28-6813 IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM LINKAGE EDITOR  
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GY28-6814 IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM UTILITIES AND  
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GC28-6814 IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM SYSTEMS  
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GY28-6812 IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM SUPERVISOR AND  
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GC24-3414 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEM  
ASSEMBLER LANGUAGE  
GY26-3642 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS ASSEMBLER (D)  
PROGRAM NUMBER 360M/N-AS-465

## 24 COBOL

GC24-5025 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS COBOL  
PROGRAMMER'S GUIDE  
PROGRAM NUMBERS 360N-CB-452 360M-CB-402  
GC24-3433 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS  
COBOL LANGUAGE SPECIFICATIONS COBOL DOS PROGRAM NUMBER  
360N-CB-452 COBOL TOS PROGRAM NUMBER 360M-CB-402  
GY24-5025 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS COBOL D  
PROGRAM LOGIC MANUAL, PROG. NOS. 360M-CB-402, 360N-CB-452

## 25 FORTRAN

GC28-6629 IBM SYSTEM/360 BASIC FORTRAN LANGUAGE (OS, DOS, TOS & BPS)  
GC24-5038 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS BASIC  
FORTRAN IV PROGRAMMERS GUIDE  
PROGRAM NUMBERS 360N-FO-451 AND 360M-FO-409  
GY24-5032 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS FORTRAN IV  
PROGRAM NUMBER 360M-FO-409 PROGRAM NUMBER 360N-FO-451

## 28 RPG

GC26-3570 DOS AND TOS RPG LANGUAGE SPECIFICATIONS, PROG. NOS.  
360N-RG-460 (DOS), 360M-RG-408 (TOS)  
GY26-3701 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEM REPORT  
PROGRAM GENERATOR PROGRAM NUMBERS 360N-RG-460 (DISK)  
360M-RG-408 (TAPE)

## 29 PL/I

GC24-9005 DOS AND TOS PL/I (D) COMPILER PROGRAMMER'S GUIDE  
PL/I - PROGRAMMER'S GUIDE  
GC28-8202 DOS AND TOS PL/I SUBSET REFERENCE MANUAL  
GX20-1749 IBM SYSTEM/360 DOS/TOS REFERENCE CARD PL/I  
GY33-9010 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET  
LANGUAGE, PROGRAM LOGIC MANUAL, VOLUME 1 OF 3  
PROGRAM NUMBERS: 360N-PL-464 (DOS) 360M-PL-410 (TOS)  
GY33-9011 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET  
LANGUAGE, PROGRAM LOGIC MANUAL, VOLUME 2 OF 3, PROG. NOS.  
360N-PL-464 (DOS), 360M-PL-410 (TOS)  
GY33-9012 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET  
LANGUAGE, VOLUME 3 OF 3 PROGRAM LOGIC MANUAL  
PROGRAM NUMBERS: 360N-PL-464 (DOS) 360M-PL-410 (TOS)  
GY33-9013 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS PL/I  
SUBSET LIBRARY ROUTINES - PROGRAM LOGIC MANUAL  
PROGRAM NUMBERS 360N-PL-464 (DOS), 360M-PL-410 (TOS)

## 30 Access Methods, Data Management, I/O Control Programs

GC24-3430 IBM SYSTEM/360, TAPE OPERATING SYSTEM, DATA MANAGEMENT  
CONCEPTS  
GC24-5035 IBM SYSTEM/360, TAPE OPERATING SYSTEM, SUPERVISOR AND  
INPUT/OUTPUT MACROS  
GC24-5070 BPS, BOS, TOS, AND DOS: TAPE LABELS  
GY24-5018 IBM SYSTEM/360 TAPE OPERATING SYSTEM LOGICAL IOCS - LOGIC  
PROGRAM NUMBER 360M-IO-404, VERSION 2.1

## 32 Utilities

GC24-3465 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS  
UTILITY PROGRAMS SPECIFICATIONS  
PROGRAM NUMBERS 360N-UT-461, 462, 463  
GC24-5042 DOS AND TOS UTILITY MACROS PROG. NOS. 360M-UT-411 AND  
360N-UT-471  
GY24-5019 IBM SYSTEM/360 TAPE OPERATING SYSTEM UTILITY PROGRAMS  
PROGRAM NUMBER 360M-UT-403  
GY24-5045 DOS AND TOS UTILITIES MACROS - PROGRAM LOGIC MANUAL  
PROGRAM NUMBERS 360M-UT-411, 360N-UT-471

## 33 Sort/Merge

GC24-3438 IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS TAPE  
SORT/MERGE PROGRAM PROGRAM NUMBERS 360M-SM-400 360N-SM-400  
GY24-5016 TOS SORT/MERGE PROGRAM LOGIC MANUAL, PROG. NO. 360M-SM-400  
GC24-3439 IBM 1401/1460 TIMING PROGRAM FOR DOS AND TOS TAPE SORT/MERGE  
PROGRAM, PROG. NO. 1401-LM-010(2401-2404), 1401-LM-012(2415)

34 System Planning, Generation, Installation, SMF

GC24-5015 IBM SYSTEM/360 TAPE OPERATING SYSTEM, SYSTEM GENERATION AND MAINTENANCE  
GC24-5020 IBM SYSTEM/360, TAPE OPERATING SYSTEM, PERFORMANCE ESTIMATES

36 Control Program

GC24-5034 IBM SYSTEM/360 TAPE OPERATING SYSTEM, SYSTEM CONTROL AND SYSTEM SERVICE PROGRAMS  
GY24-5022 IBM SYSTEM/360 TAPE OPERATING SYSTEM SYSTEM CONTROL - LOGIC, PROGRAM NUMBER 360M-CL-405, VERSION 2

37 RAS

GC24-3441 IBM SYSTEM/360 TAPE OPERATING SYSTEM AUTOTEST SPECIFICATIONS PROGRAM NUMBER 360M-PT-407  
GY24-5026 IBM SYSTEM/360 TAPE OPERATING SYSTEM AUTOTEST - LOGIC, PROGRAM NUMBER 360M-PT-407  
GC24-5066 TOS OLTEP SPECIFICATIONS AND OPERATING GUIDE, PROG. NO. 360M-DN-418  
GY24-5056 IBM SYSTEM/360 TAPE OPERATING SYSTEM ON-LINE TEST EXECUTIVE PROGRAM - PROGRAM NUMBER 360M-DN-418

40 System Operation

GC24-5021 IBM SYSTEM/360, TAPE OPERATING SYSTEM, OPERATING GUIDE

BOS (BASIC OPERATING SYSTEM) (20-40)

20 General Information

GC24-5041 IBM SYSTEM/360 BASIC OPERATING SYSTEM, MASTER INDEX

21 Assembler

GC24-3361 IBM SYSTEM/360 BASIC OPERATING SYSTEM ASSEMBLER WITH INPUT/OUTPUT MACROS SPECIFICATIONS PROGRAM NUMBER 360B-AS-309  
GC24-3364 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC OPERATING SYSTEM MACRO DEFINITION LANGUAGE  
GY24-5000 IBM SYSTEM/360 BASIC OPERATING SYSTEM DISK ASSEMBLER PROGRAM NUMBER 360B-AS-309

28 RPG

GC24-3387 IBM SYSTEM/360 BASIC OPERATING SYSTEM REPORT PROGRAM GENERATOR SPECIFICATIONS PROGRAM NUMBER 360B-RG-307  
GY24-5005 IBM SYSTEM/360 BASIC OPERATING SYSTEM REPORT PROGRAM GENERATOR (8K DISK) PROGRAM NUMBER 360B-RG-307

30 Access Methods, Data Management, I/O Control Programs

GY24-5003 BOS LOGICAL IOCS, PROG. NOS. 360B-IO-303, -304, -305  
GC24-5070 BPS, BOS, TOS, AND DOS: TAPE LABELS

32 Utilities

GC24-3409 IBM SYSTEM/360 BASIC OPERATING SYSTEM UTILITY PROGRAMS SPECIFICATIONS PROGRAM NUMBERS 360B-UT-300, 360B-UT-301

33 Sort/Merge

GC24-3321 IBM SYSTEM/360 BASIC OPERATING SYSTEM SORT/MERGE PROGRAM SPECIFICATIONS PROGRAM NUMBER 360B-SM-308  
GY24-5001 IBM BASIC OPERATING SYSTEM/360 (8K DISK) SORT/MERGE PLM - PROG. NO. 360B-SM-308  
GC24-3377 IBM 1401/1460 TIMING PROGRAM FOR IBM BASIC OPERATING SYSTEM/360 SORT/MERGE PROGRAM PROGRAM 1401-LM-079

36 Control Program

GC24-3372 IBM SYSTEM/360 BASIC OPERATING SYSTEM PROGRAMMER'S GUIDE  
GY24-5002 IBM BASIC OPERATING SYSTEM/360 SYSTEM CONTROL (8K DISK) PROGRAM NUMBER 360B-CL-302 PROGRAM LOGIC MANUAL

37 RAS

GC24-3378 IBM SYSTEM/360 BASIC OPERATING SYSTEM SPECIFICATIONS  
AUTOTEST (8K DISK)  
PROGRAM NUMBER 360B-PT-306

38 Remote Job Entry

GY30-2006 BOS & BPS RJE/WORK STATION PROGRAM: LOGIC, PROG. NOS.  
360B-CQ-311 (BOS), 360P-CQ-218 (BPS)

40 System Operation

GC24-3450 IBM SYSTEM/360 BASIC OPERATING SYSTEM OPERATING GUIDE  
GC24-5024 IBM SYSTEM/360 BASIC OPERATING SYSTEM OPERATOR MESSAGES

BPS (BASIC PROGRAMMING SUPPORT) (20-40)

20 General Information

GC24-5067 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT MASTER INDEX

21 Assembler

GC28-6503 BPS (CARD) BASIC ASSEMBLER & BASIC UTILITY PROGRAMS: SPEC-  
IFICATIONS & OPERATING GUIDE, PROG. NO. 360P-AS-021 AND  
360P-UT-017 THROUGH 020  
GC24-3355 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT ASSEMBLER WITH  
INPUT/OUTPUT MACROS (TAPE) SPECIFICATIONS  
SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBER 360P-AS-021  
GY24-5012 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT TAPE ASSEMBLER  
PROGRAM NUMBER 360P-AS-091  
GY24-5014 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT  
BASIC ASSEMBLER, PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 360P-AS-021  
GC24-3364 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT  
BASIC OPERATING SYSTEM MACRO DEFINITION LANGUAGE

25 FORTRAN

GC28-6629 IBM SYSTEM/360 BASIC FORTRAN LANGUAGE (OS, DOS, TOS & BPS)  
GC21-5000 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT FORTRAN IV (CARD)  
PROGRAMMER'S GUIDE PROGRAM NUMBER 360P-FO-205  
GY21-0001 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT  
FORTRAN IV (16K CARD) PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 360P-FO-205  
GC28-6583 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT FORTRAN IV (TAPE)  
PROGRAMMER'S GUIDE PROGRAM NUMBER 360P-FO-031

28 RPG

GC24-3374 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SPECIFICATIONS  
REPORT PROGRAM GENERATOR (CARD)  
GC24-3464 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT  
REPORT PROGRAM GENERATOR (CARD) OPERATING GUIDE  
GY24-5037 IBM SYSTEM/360, BASIC PROGRAMMING SUPPORT, REPORT PROGRAM  
GENERATOR FOR PUNCHED CARD EQUIPMENT PROGRAM NUMBER  
360P-RG-200  
GC24-3418 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT REPORT PROGRAM  
GENERATOR (TAPE) SPECIFICATIONS  
PROGRAM NUMBER 360P-RG-201

30 Access Methods, Data Management, I/O Control Programs

GC24-5070 BPS, BOS, TOS, AND DOS: TAPE LABELS  
GC24-3408 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT 1231  
SPECIFICATIONS AND OPERATING GUIDE  
PROGRAM NUMBER: 360P-IO-060  
GC24-3398 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT  
1412/1419 SPECIFICATIONS AND OPERATING GUIDE  
PROGRAM NUMBER 360P-IO-058  
GC24-3437 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT  
1418/1428 SPECIFICATIONS AND OPERATING GUIDE  
PROGRAM NUMBER 360P-IO-059  
GY24-5007 BPS INPUT OUTPUT CONTROL PROGRAM: PLM, PROG. NO. 360P-IO-060  
(1231-N1), -059 (1418/1428), -058 (1412/1419)

32 Utilities

GY24-5015 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC UTILITIES  
PROGRAM LOGIC MANUAL  
GC24-5027 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT CARD AND TAPE  
UTILITY PROGRAMS OPERATING GUIDE

GC24-5026 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT CARD AND TAPE  
UTILITY PROGRAMS SPECIFICATIONS

GC24-3392 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DASD UTILITY  
PROGRAMS OPERATING GUIDE

GC24-3363 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DASD UTILITY  
PROGRAMS SPECIFICATIONS

GC21-5001 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DISTRIBUTION  
PROGRAM SPECIFICATIONS AND OPERATING GUIDE  
PROGRAM NUMBER 360P-UT-208

GY21-0004 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DISTRIBUTION  
PROGRAM, PROGRAM NUMBER 360P-UT-208

GC24-5069 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT  
MODULAR FILE MAINTENANCE PROGRAM SPECIFICATIONS AND  
OPERATING GUIDE  
PROGRAM NUMBER 360P-UT-219

GY24-5096 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT MODULAR FILE  
MAINTENANCE PROGRAM - PROGRAM NUMBER 360P-UT-219

GC24-3396 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT UNIVERSAL  
CHARACTER SET UTILITY PROGRAM OPERATING GUIDE  
PROGRAM NUMBER 360P-UT-048

GY24-5013 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT UNIVERSAL  
CHARACTER SET UTILITY PROGRAM PROGRAM NUMBER 360P-UT-048

### 33 Sort/Merge

GC24-3413 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE PROGRAMS  
OPERATING GUIDE PROGRAMS:  
1 - CHANNEL - 360P-SM-043  
2 - CHANNEL - 360P-SM-044

GC24-3320 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE  
PROGRAMS SPECIFICATIONS  
1 - CHANNEL - 360P-SM-043  
2 - CHANNEL - 360P-SM-044

GC24-3345 IBM 1401/1460 TIMING PROGRAMS FOR IBM SYSTEM/360 BASIC  
PROGRAMMING SUPPORT SORT/MERGE PROGRAMS (8K TAPE)  
PROGRAM 1401-LM-078, VERSION 2 (2401-2404)  
PROGRAM 1401-LM-080, VERSION 1 (2415)

### 34 System Planning, Generation, Installation, SMF

GC24-5061 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM  
SYSTEM GENERATION AND MAINTENANCE  
PROGRAM NUMBER 360P-AS-091

### 36 Control Program

GC24-3354 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM  
PROGRAMMER'S GUIDE  
PROGRAM NUMBER 360P-AS-091

GY24-5010 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT  
BASIC TAPE SYSTEM SYSTEM CONTROL AND IOCS  
PROGRAM NUMBER 360P-AS-091

### 37 RAS

GC24-3417 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT  
AUTOTEST OPERATING GUIDE  
PROGRAM NUMBER 360P-PT-045

GC24-3343 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT AUTOTEST  
SPECIFICATIONS (8K TAPE)  
PROGRAM NUMBER 360P-PT-045

### 38 Remote Job Entry

GY30-2006 BOS & BPS RJE/WORK STATION PROGRAM: LOGIC, PROG. NOS.  
360B-CQ-311 (BOS), 360P-CQ-218 (BPS)

### 40 System Operation

GC24-3391 IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM  
OPERATING GUIDE PROGRAM NUMBER 360P-AS-091 RPG  
PROGRAM NUMBER 360P-RG-201

## Licensed Programs (Subject Codes 20 through 40)

### 20 General Information

GC28-8200 SYSTEM/370 PROGRAM PRODUCTS: LANGUAGE AND SORT PROCESSORS  
-OS, DOS, VM/370-CMS (CATALOG)



## 21 Assembler

GC26-3735 IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER H  
DESIGN OBJECTIVES SHEET, PROGRAM NUMBER 5734-AS1

GC26-3743 IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER H  
SPECIFICATION SHEET, PROGRAM NUMBER 5734-AS1

GC26-3758 OS ASSEMBLER H GENERAL INFORMATION MANUAL, PROG. #5734-AS1

SC26-3759 OS ASSEMBLER H PROGRAMMER'S GUIDE, PROG. NO. 5734-AS1

SC26-3768 OS ASSEMBLER H SYSTEM INFORMATION, PROG. NO. 5734-AS1

SC26-3770 OS ASSEMBLER H MESSAGES, PROG. NO. 5734-AS1

GC26-3771 OS ASSEMBLER H LANGUAGE, PROG. NO. 5734-AS1

LY26-3760 OS ASSEMBLER H LOGIC PROG. NO. 5734-AS1

LCB6-3772 IBM SYSTEM/360 OS ASSEMBLER H - PROGRAM NUMBER 5734-AS1

GB21-1008 DOS/VS ASSEMBLER TESTING AID - FDP NUMBER 5798-AWJ NOTICE

SB21-1009 DOS/VS ASSEMBLER TESTING AID - FDP NUMBER 5798-AWJ  
DESCRIPTION/OPERATIONS

LB21-1010 DOS/VS ASSEMBLER TESTING AID - FDP NUMBER 5798-AWJ SYSTEMS  
GUIDE

GB21-0704 BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM  
DOS ALC CONVERSION AID FOR SYSTEM/360, 370 AVAILABILITY  
NOTICE - FDP NUMBER 5798-AMC

SB21-0705 BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM  
DOS ALC CONVERSION AID FOR SYSTEM/360, 370 PROGRAM  
DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMC

LB21-0706 BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM  
DOS ALC CONVERSION AID FOR SYSTEM/360, 370 SYSTEMS GUIDE  
FDP NUMBER 5798-AMC

GB21-0334 DOS TO OS ASSEMBLER MACRO CONVERSION, FDP 5798-AFL, NOTICE

SB21-0335 DOS TO OS ASSEMBLER LANGUAGE MACRO CONVERSION, FDP  
5798-AFL DESCRIPTION/OPERATIONS

LB21-0336 DOS TO OS ASSEMBLER LANGUAGE MACRO CONVERSION - FIELD  
DEVELOPED PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER 5798-AFL

## 22 APL

GH20-0689 APL/360 PRIMER, STUDENT TEXT

GH20-4047 APL/360 OS SPECIFICATIONS - PROGRAM PRODUCT 5734-XM6

GH20-4046 APL/360 DOS: SPECIFICATIONS, PROG. NO. 5736-XM6

GH20-0850 APL/360 - OS (5734-XM6) AND APL/360 - DOS (5736-XM6)  
GENERAL INFORMATION MANUAL

SH20-0890 APL/360 - OS OPERATIONS AND INSTALLATION MANUAL,  
PROGRAM NUMBER 5734-XM6

SH20-0938 APL/360 - DOS OPERATIONS AND INSTALLATION MANUAL,  
PROGRAM NUMBER 5736-XM6

GH20-0906 APL/360-OS (5734-XM6), APL/360-DOS (5736-XM6),  
USER'S MANUAL

LY20-0678 APL/360-OS AND APL/360-DOS SYSTEM MANUAL  
FEATURE NUMBERS 8091, 8034  
PROGRAM NUMBERS 5734-XM6, 5736-XM6

LYB0-0625 APL/360-OS ASSEMBLY LISTINGS, PROGRAM NUMBER 5734-XM6,  
FEATURE CODE 8092, FE SERVICE NUMBER 200156

LYB0-0626 APL/360 - DOS ASSEMBLY LISTINGS,  
PROGRAM NUMBER 5736-XM6, FEATURE CODE 8065,  
FE SERVICE NUMBER 200157

GB21-0414 GRAPHS AND HISTOGRAMS IN APL AVAILABILITY NOTICE - FDP  
NUMBER 5798-AGL

SB21-0415 GRAPHS AND HISTOGRAMS IN APL PROGRAM DESCRIPTION/OPERATIONS  
MANUAL - FDP NUMBER 5798-AGL

LB21-0416 GRAPHS AND HISTOGRAMS IN APL SYSTEMS GUIDE - FDP NUMBER  
5798-AGL

GH20-4347 APL SHARED VARIABLES (APLSV) - PROGRAM NO. 5799-AJF  
(PRPQ NUMBER WE1191) - SPECIFICATIONS SHEET

SH20-1463 APL SHARED VARIABLES (APLSV) PROGRAMMING RPQ WE1191  
TSIO PROGRAM REFERENCE MANUAL - PROG. NO. 5799-AJF

SH20-1461 APL SHARED VARIABLES (APLSV) PROGRAMMING RPQ WE1191  
OPERATIONS GUIDE - PROGRAM NUMBER 5799-AJF

\*\*LYB0-2010 A PROGRAMMING LANGUAGE SHARED VARIABLE LISTINGS (APLSV)  
PRPQ 5799-AJF

## 23 BASIC

GC28-8301 IBM SYSTEM/370 VS BASIC: PROGRAM PRODUCT DESIGN OBJECTIVES  
PROGRAM NUMBER 5748-XX1

GC28-8302 IBM SYSTEM/370 VS BASIC GENERAL INFORMATION - PROGRAM NUMBER  
5748-XX1

\*\*GC28-8303 SYSTEM/370 VS BASIC LANGUAGE

\*\*SC28-8308 SYSTEM/370 VS BASIC DOS/VS AND OS/VS PROGRAMMER'S GUIDE  
PROG. NO. 5748-XX1

\*\*GC28-8311 IBM SYSTEM/370 VS BASIC PROGRAM - SPECIFICATIONS NUMBER  
5748-XX1

\*\*LY28-6422 SYSTEM/370 VS BASIC PROGRAM LOGIC - PROG. NO. 5748-XX1

\*\*SC28-8306 SYSTEM/370 VS BASIC CMS TERMINAL USER'S GUIDE  
 PROG. NO. 5748-XX1  
 \*\*SC28-8300 B IS FOR BASIC AN INTRODUCTION TO VS BASIC UNDER TSO  
 PROG. NO. 5748-XX1

24 COBOL

GX28-8195 IBM GUIDE TO AMERICAN NATIONAL STANDARD COBOL REFERENCE CARD  
 GC28-6406 IBM SYSTEM/360 OPERATING SYSTEM FULL  
 AMERICAN NATIONAL STANDARD (ANS) COBOL COMPILER  
 VERSION 3 DESIGN OBJECTIVES SHEET, PROGRAM NUMBER 5734-CB1  
 GC28-6436 IBM SYSTEM/360 OS FULL AMERICAN NATIONAL STANDARD COBOL  
 COMPILER AND LIBRARY, VERSION 3, PROGRAM PRODUCT  
 SPECIFICATIONS (PPS) - PROGRAM NUMBER 5734-CB1  
 GC28-6407 IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND  
 LIBRARY, VERSION 3: GENERAL INFORMATION, PROG. NO. 5734-CB1  
 SC28-6437 IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL  
 STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, PROGRAMMER'S  
 GUIDE - PROGRAM NUMBER 5734-CB1  
 SC28-6432 IBM SYSTEM/360 OPERATING SYSTEM  
 FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY,  
 VERSION 3, INSTALLATION REFERENCE MANUAL,  
 PROGRAM NUMBER 5734-CB1  
 LY28-6407 IBM SYSTEM/360 OPERATING SYSTEM  
 FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY,  
 VERSION 3 PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-CB1  
 LYC7-5023 SYSTEM/360 OPERATING SYSTEM AMERICAN NATIONAL STANDARD  
 (ANS) COBOL VERSION 3 LISTINGS - PROGRAM NUMBER 5734-CB1  
 LYC7-5038 IBM SYSTEM/360/370 OS FULL ANS COBOL VERSION 3  
 COMPILER AND LIBRARY - LISTINGS, PROG. PROD. 5734-CB1  
 LYC7-5039 SYSTEM/360 OPERATING SYSTEM FULL COBOL COMPILER  
 VERSION 3/TIME SHARING OPTION COBOL PROMPTER  
 PROGRAM NUMBER 5734-CB3  
 GC28-6408 IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND  
 LIBRARY, VERSION 4 - PPDO - PROG. NOS. 5734-CB2, -LM2  
 GC28-6464 IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND  
 LIBRARY, VERSION 4 - PROGRAM PRODUCT SPECIFICATIONS -  
 PROGRAM NUMBERS 5734-CB2, 5734-LM2  
 GC28-6431 OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND  
 LIBRARY, VERSION 4, PLANNING GUIDE - PROGRAM  
 NOS. 5734-CB2, -LM2  
 SC28-6456 IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND  
 LIBRARY VERSION 4, PROGRAMMERS GUIDE - PROGRAM PRODUCTS  
 5734-CB2 AND 5734-LM2  
 SC28-6458 IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND  
 LIBRARY, VERSION 4, INSTALLATION REFERENCE MATERIAL, PROG.  
 NOS. 5734-CB2, LM2  
 SC28-6457 IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND  
 LIBRARY, VERSION 4, MESSAGES, PROG. NOS. 5734-CB2, LM2  
 LY28-6420 IBM S/360 OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD  
 COBOL COMPILER V4 - PROGRAM LOGIC MANUAL - PROGRAM PRODUCT  
 5734-CB2  
 LY28-6419 IBM S/360 OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD  
 COBOL SUBROUTINE LIBRARY V4 PLM - PROGRAM PRODUCTS 5734-CB2,  
 5734-LM2  
 LYC7-5045 OS ANS COBOL COMPILER & LIBRARY LISTINGS, PROG. 5734-CB2  
 GC28-6420 IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER,  
 VERSION 3: PPDO, PROG. NO. 5736-CB2  
 GC28-6443 IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL  
 STANDARD COBOL COMPILER VERSION 3  
 SYSTEM REFERENCE LIBRARY PROGRAM PRODUCT SPECIFICATIONS  
 PROGRAM NUMBER 5736-CB2  
 GC28-6428 IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL OBJECT-TIME  
 SUBROUTINE LIBRARY, PROG. NO. 5736-LM2 DESIGN OBJECTIVES  
 GC28-6444 IBM SYSTEM/360 DISK OPERATING SYSTEM: FULL AMERICAN NATIONAL  
 STANDARD COBOL OBJECT TIME SUBROUTINE LIBRARY  
 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-LM2  
 GC28-6421 IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND  
 LIBRARY, VERSION 3, RELEASE 2, GENERAL INFORMATION  
 PROG. NOS. 5736-CB2 (COMPILER), 5736-LM2 (LIBRARY)  
 SC28-6441 IBM SYSTEM/360 DISK OPERATING SYSTEM: FULL AMERICAN  
 NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3  
 SYSTEM REFERENCE LIBRARY PROGRAMMER'S GUIDE  
 PROGRAM NUMBERS 5736-CB2, 5736-LM2  
 GC28-6394 DOS FULL ANS COBOL, PROG. NOS. 360N-CB-482 (V1 & V2),  
 5736-CB2, LM2 (V3), 5746-CB1, LM4 (DOS/VS)  
 SC28-6442 IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER  
 AND LIBRARY, VERSION 3 INSTALLATION REFERENCE MATERIAL  
 PROG. NOS. 5736-CB2, 5736-LM2  
 LY28-6412 IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL  
 STANDARD COBOL COMPILER VERSION 3, PROGRAM LOGIC MANUAL  
 PROGRAM PRODUCT 5736-CB2

LY28-6413 IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL  
 STANDARD COBOL SUBROUTINE LIBRARY, VERSION 3  
 PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5736-LM2  
 LYC7-5030 DOS ANS COBOL COMPILER V3 LISTINGS - PROG. NO. 5736-CB2  
 LYC7-5031 DOS FULL ANS COBOL LIBRARY V3, LISTINGS, PROG. NO. 5736-LM2  
 GC28-6480 IBM DOS SUBSET AMERICAN NATIONAL STANDARD COBOL  
 COMPILER AND LIBRARY DESIGN OBJECTIVES  
 PROG. PROD. 5736-CB1  
 GC28-6450 IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN  
 NATIONAL STANDARD COBOL COMPILER AND LIBRARY (PROGRAM  
 PRODUCT SPECIFICATIONS) PROGRAM NUMBER 5736-CB1  
 GC28-6402 IBM SYSTEM/360 DISK OPERATING SYSTEM:  
 AMERICAN NATIONAL STANDARD SUBSET COBOL COMPILER  
 GENERAL INFORMATION  
 SC28-6439 IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN  
 NATIONAL STANDARD COBOL COMPILER AND LIBRARY  
 PROGRAMMER'S GUIDE - PROGRAM NUMBER 5736-CB1  
 GC28-6403 IBM SYSTEM/360 DISK OPERATING SYSTEM:  
 AMERICAN NATIONAL STANDARD SUBSET COBOL  
 PROGRAM NUMBER 5736-CB1  
 SC28-6438 IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN  
 NATIONAL STANDARD COBOL COMPILER AND LIBRARY  
 INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBER 5736-CB1  
 LY28-6414 IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN  
 NATIONAL STANDARD COBOL COMPILER AND LIBRARY PROGRAM LOGIC  
 MANUAL - PROGRAM NUMBER 5736-CB1  
 LYC7-5041 DOS SUBSET COMPILER & LIBRARY LISTINGS - PROG. NO. 5736-CB1  
 GB21-0836 BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID  
 AVAILABILITY NOTICE - FDP NUMBER 5798-APH  
 SB21-0837 BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID  
 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-APH  
 LB21-0838 BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID  
 SYSTEMS GUIDE - FDP NUMBER 5798-APH  
 GH20-4101 CONTROL PROGRAM 67 ONLINE COBOL SYMBOLIC DEBUG (PROGRAMMING  
 RPQ AA0476): PROG. NO. 5799-AAE SPECIFICATIONS  
 GH20-0920 CONTROL PROGRAM-67 ONLINE COBOL SYMBOLIC DEBUG  
 PROGRAM NUMBER 5799-AAE - APPLICATION DESCRIPTION MANUAL  
 SH20-0921 CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG  
 USER'S GUIDE - PROGRAM NUMBER 5799-AAE  
 SH20-0922 CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG  
 INSTALLATION MANUAL, PROGRAM NUMBER 5799-AAE  
 SH20-0923 CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG  
 OPERATING SYSTEM/360 IN A VIRTUAL MACHINE,  
 PROGRAM NUMBER 5799-AAE  
 LY20-0635 CONTROL PROGRAM-67 ONLINE COBOL SYMBOLIC DEBUG PROGRAMMING  
 RPQ: SYSTEM MANUAL, PROG. NO. 5799-AAE FEATURE NO. 8006  
 GB21-0999 DOS SOURCE STATEMENT LIBRARY MAINTENANCE FOR ANS COBOL ON  
 SYSTEM/370 AVAILABILITY NOTICE - FDP NUMBER 5798-AWD  
 SB21-1000 DOS SOURCE STATEMENT LIBRARY MAINTENANCE FOR ANS COBOL ON  
 SYSTEM/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP  
 NUMBER 5798-AWD  
 LB21-1001 DOS SOURCE STATEMENT LIBRARY MAINTENANCE FOR ANS COBOL ON  
 SYSTEM/370 SYSTEMS GUIDE - FDP NUMBER 5798-AWD  
 GC28-6474 DOS/VS COBOL COMPILER AND LIBRARY DESIGN OBJECTIVES PROGRAM  
 PRODUCT 5746-CB1 (COMPILER AND LIBRARY) AND 5746-LM4  
 (LIBRARY ONLY)  
 GC28-6476 DOS/VS COBOL COMPILER AND LIBRARY RELEASE 1  
 PROG. NOS. 5746-LM4 (LIBRARY ONLY SPECIFICATIONS)  
 5746-CB1 (COMPILER AND LIBRARY)  
 GC28-6473 IBM DOS/VS COBOL COMPILER AND LIBRARY GENERAL INFORMATION  
 PROGRAM NUMBERS 5746-CB1 AND 5746-LM4  
 SC28-6479 IBM DOS/VS COBOL COMPILER AND LIBRARY INSTALLATION  
 REFERENCE MATERIAL - PROGRAM NUMBERS 5746-CB1 AND 5746-LM4  
 SC28-6478 IBM DOS/VS COBOL COMPILER AND LIBRARY PROGRAMMER'S GUIDE  
 \*\*GC28-6487 DOS/VS COBOL COMPILER AND LIBRARY  
 PROG. NOS. 5746-CB1 (COMPILER AND LIBRARY)  
 5746-LM4 (LIBRARY ONLY)  
 LY28-6423 IBM DOS/VS COBOL COMPILER PROGRAM LOGIC - PROGRAM NUMBER  
 5746-CB1  
 LYC7-5050 DOS/VS COBOL COMPILER PROG. NO. 5746-CB1 LISTINGS  
 LY28-6424 IBM DOS/VS COBOL SUBROUTINE LIBRARY PROGRAM LOGIC - PROGRAM  
 NUMBER 5746-LM4  
 \*\*GC28-6471 DESIGN OBJECTIVES - IBM OS/VS COBOL COMPILER AND  
 LIBRARY -- PROGRAM PRODUCTS 5740-CB1;5740-LM1  
 GB21-0914 IBM ANS COBOL FROM GE-415 COBOL CONVERSION AID  
 FDP 5798-ASY, NOTICE  
 SB21-0915 IBM ANS COBOL FROM GE-415 COBOL CONVERSION AID  
 FDP 5798-ASY  
 DESCRIPTION/OPERATIONS  
 LB21-0916 IBM ANS COBOL FROM GE-415 COBOL CONVERSION AID  
 FDP 5798-ASY SYSTEMS GUIDE  
 GB21-0387 HONEYWELL 200 SERIES COBOL TO IBM ANS COBOL CONVERSION AIDS  
 FDP AVAILABILITY NOTICE - PROGRAM NUMBER 5798-ACG

SB21-0388 HONEYWELL 200 SERIES COBOL TO IBM ANS COBOL CONVERSION AID  
FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL  
PROGRAM NUMBER 5798-AGC

LB21-0389 HONEYWELL 200 SERIES COBOL TO IBM ANS COBOL CONVERSION AID  
FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER  
5798-AGC

GC28-6467 IBM OS COBOL INTERACTIVE DEBUG PPS - PROGRAM NUMBER 5734-CB4  
GC28-6482 IBM OS COBOL INTERACTIVE DEBUG PROG. NO. 5734-CB4  
DESIGN OBJECTIVES

\*\*GC28-6485 IBM OS COBOL INTERACTIVE DEBUG PPS-PROGRAM NUMBER 5734-CB4  
SX28-8194 IBM OS COBOL INTERACTIVE DEBUG REFERENCE CARD - PROGRAM  
PRODUCT 5734-CB4

GB21-0839 IBM ANS COBOL CONVERSION AID FOR NCR CENTURY COBOL FOR  
SYSTEM/360/370 AVAILABILITY NOTICE - FDP NUMBER 5798-APG

SB21-0840 IBM ANS COBOL CONVERSION AID FOR NCR CENTURY COBOL FOR  
SYSTEM/360/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP  
NUMBER 5798-APG

LB21-0841 IBM ANS COBOL CONVERSION AID FOR NCR CENTURY COBOL FOR  
SYSTEM/360/370 SYSTEMS GUIDE - FDP NUMBER 5798-APG

GB21-0493 RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360/370  
AVAILABILITY NOTICE - FDP NUMBER 5798-AHT

SB21-0494 RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360,370  
PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AHT

LB21-0495 RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360,370  
SYSTEMS GUIDE - FDP NUMBER 5798-AHT

GB21-0490 UNIVAC 9300 COBOL TO IBM ANS COBOL CONVERSION AID  
PROG. NO. 5798-AHP, FDP AVAILABILITY NOTICE

SB21-0491 UNIVAC 9300 COBOL TO IBM ANS COBOL CONVERSION AID  
FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL  
PROGRAM NUMBER 5798-AHP

LB21-0492 UNIVAC 9300 COBOL TO IBM ANS COBOL CONVERSION AID  
FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER  
5798-AHP

SC28-6469 IBM VM/370 OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER  
AND LIBRARY, VERSION 4 CMS - USER'S GUIDE  
PROGRAM NUMBERS 5734-CB2 AND 5734-LM2

25 FORTRAN

GC28-6884 IBM FORTRAN PROGRAM PRODUCTS FOR OS AND THE CMS COMPONENT OF  
VM/370: GENERAL INFORMATION, PROG. NOS. 5734-FO1,2,3,5  
-LM1,3,-CP3

GC28-6832 IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN  
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-FO1

SC28-6859 IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN  
PROCESSOR INSTALLATION REFERENCE MATERIAL  
PROGRAM NUMBER 5734-FO1

LY28-6846 IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN  
PROCESSOR PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 5734-FO1

SC28-6853 IBM OS CODE AND GO FORTRAN AND FORTRAN IV (G1) PROGRAMMER'S  
GUIDE, PROG. NOS. 5734-FO1, 2, -LM1

LYC7-5036 IBM SYSTEM/360/370 CODE AND GO FORTRAN COMPILER - LISTINGS,  
PROG. PROD. 5734-FO1

GH20-0896 FORTRAN CONVERSION AID PROGRAM, GENERAL INFORMATION MANUAL  
PROGRAM NUMBER 5799-AAJ, REFERENCE NUMBER FA1287

SH20-0897 FORTRAN CONVERSION AID PROGRAM,  
PROGRAM DESCRIPTION AND OPERATIONS MANUAL,  
PROGRAM NUMBER 5799-AAJ, REFERENCE NUMBER FA1287

LY20-0608 FORTRAN CONVERSION AID PROGRAM (SYSTEM MANUAL,  
PROGRAM NUMBER 5799-AAJ, FEATURE CODE 8001,  
REFERENCE NUMBER FA1287

GC28-6854 OS FORTRAN IV (G1) PROCESSOR - PPS - PROG. NO. 5734-FO2  
SC28-6856 FORTRAN IV (G1) PROCESSOR AND TSO FORTRAN PROMPTER FOR OS  
AND VM/370 (CMS): INSTALLATION REFERENCE MATERIAL, PROG.  
NOS. 5734-FO2, 5734-CP3

LY28-6856 IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (GI) COMPILER PLM  
PROGRAM NUMBER 5734-FO2

LYC7-5021 SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G1) COMPILER  
MICROFICHE LISTINGS, PROG. PROD. 5734-FO2

GC28-6862 IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED)  
COMPILER PROGRAM PRODUCT SPECIFICATIONS  
PROGRAM NUMBER 5734-FO3

GC28-6847 IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY (MOD II)  
PROGRAM NUMBER 5734-LM3

GC28-6863 OS FORTRAN IV LIBRARY (MOD II) - PPS - PROG. NO. 5734-LM3  
SC28-6852 IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED)  
COMPILER, PROGRAMMER'S GUIDE - PROGRAM NUMBER 5734-FO3  
5734-LM3

SC28-6861 IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED)  
COMPILER AND LIBRARY (MOD II) IRM MODULE II INSTALLATION  
REFERENCE MATERIAL - PROGRAM NUMBERS 5734-FO3, 5734-LM3

GC28-6865 IBM SYSTEM/360 OS: FORTRAN IV (H EXTENDED)  
 COMPILER AND LIBRARY (MODEL II), MESSAGES - SYSTEM REFERENCE  
 LIBRARY MANUAL, PROGRAM NUMBERS 5734-FO3, 5734-LM3

LY28-6403 IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED)  
 COMPILER, PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-FO3

LYC7-5019 IBM SYSTEM/360/370 FORTRAN IV H EXTENDED COMPILER -  
 LISTINGS, PROG. PROD. 5734-FO3

LY28-6409 IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV  
 LIBRARY MOD II PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-LM3

LYC7-5020 IBM SYSTEM/360/370 FORTRAN IV LIBRARY MOD II - LISTINGS  
 PROG. PROD. 5734-LM3

SC28-6868 IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED  
 PLUS COMPILER & LIBRARY USER SUPPLEMENT - PROGRAM NUMBER  
 5799-AAW

LY28-6415 IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED PLUS)  
 COMPILER AND LIBRARY PROGRAM LOGIC SUPPLEMENT  
 (PROGRAMMING REQUEST FOR PRICE QUOTATION)  
 PROGRAM NUMBER 5799-AAW

LYC7-5042 SYSTEM/360 OPERATING SYSTEM FORTRAN H EXTENDED PLUS  
 MICROFICHE - PROGRAM NUMBER 5799-AAW

GC28-6881 FORTRAN INTERACTIVE DEBUG FOR OS (TSO) AND VM/370 (CMS)  
 PROGRAM PRODUCT DESIGN OBJECTIVES, PROG. NO. 5734-FO5

GC28-6888 FORTRAN INTERACTIVE DEBUG FOR OS (TSO)  
 PPS PROGRAM NUMBER 5734-FO5

SX28-8193 IBM FORTRAN INTERACTIVE DEBUG FOR OS (TSO) AND VM/370 (CMS)  
 REFERENCE CARD - PROGRAM NUMBER 5734-FO5

GC28-6844 IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY MOD 1  
 DESIGN OBJECTIVES - PROGRAM NUMBER 5734-LM1

GC28-6850 SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY MOD 1  
 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-LM1

SC28-6858 IBM SYSTEM/360 FORTRAN IV LIBRARY (MODEL 1)  
 INSTALLATION REFERENCE MATERIAL, PROGRAM NUMBER 5734-LM1

LY28-6408 IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY (MODEL I)  
 PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-LM1

LYC7-5022 OS 360/370 FORTRAN IV LIBR. MOD I LISTING, P.P. NO. 5734-LM1

GC28-8193 IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV LIBRARY  
 ASCII SUPPORT  
 PROGRAM NUMBER 5736-LM1

GC28-8194 IBM SYSTEM/360 DISK OPERATING SYSTEM  
 FORTRAN IV LIBRARY ASCII SUPPORT  
 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-LM1

SC28-6851 IBM SYSTEM/360 DISK OPERATING SYSTEM - FORTRAN IV LIBRARY  
 ASCII SUPPORT: PROGRAMMER'S GUIDE SUPPLEMENT  
 PROGRAM NUMBER 5736-LM1

LYC7-5012 SYSTEM/360 DISK OPERATING SYSTEM FORTRAN F LIBRARY  
 PROGRAM PRODUCT LISTING MICROFICHE  
 ASC II - PROGRAM NUMBER 5736-LM1

SC28-6864 IBM SYSTEM/360 OS: FORTRAN IV MATH AND SVC SUBPROGRAM  
 SUPPLEMENT FOR MODELS I AND II LIBRARIES  
 PROGRAM NUMBERS 5734-LM1, 5734-LM3

GC28-6872 SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV LIBRARY,  
 OPTION 1 - PROGRAM PRODUCT DESIGN OBJECTIVE  
 PROGRAM NUMBER 5746-LM3

GC28-6882 DISK OPERATING SYSTEM FORTRAN IV LIBRARY OPTION 1 - PROGRAM  
 PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5746-LM3

SC28-6883 DOS FORTRAN IV LIBRARY OPTION/PROGRAMMERS'S GUIDE  
 SUPPLEMENT - PROGRAM PRODUCT 5746-LM3

LYC7-5044 DOS FORTRAN IV LIBRARY OPT 1, LISTINGS - PROG. NO. 5746-LM3

SC28-6891 IBM VM/370 (CMS) TERMINAL USER'S GUIDE FOR FORTRAN IV  
 PROGRAM NUMBERS 5734-FO1, 5734-FO2, 5734-FO3, 5734-LM1  
 AND 5734-LM3

28 RPG

GC28-6484 IBM DOS RPG II PROGRAM PRODUCT DESIGN OBJECTIVES - PROGRAM  
 NUMBER 5736-RG1

GC21-5028 IBM DISK OPERATING SYSTEM RPG II  
 PROGRAM PRODUCT SPECIFICATIONS  
 PROGRAM NUMBER 5736-RG1

GC21-5021 IBM DOS RPG II GENERAL INFORMATION MANUAL  
 PROGRAM NUMBER 5736-RG1

SC21-5005 IBM DOS RPG II LANGUAGE, PROG. NO. 5736-RG1

LY21-0014 IBM DOS RPG II LANGUAGE PROGRAM LOGIC MANUAL  
 PROGRAM NUMBER 5736-RG1

LYB1-0450 S/360 DOS RPG II COMPILER, LISTINGS, PROG. PROD. 5736-RG1

GC21-5052 IBM DISK OPERATING SYSTEM RPG II AUTO REPORT FEATURE  
 GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5736-RG1

SC21-5056 IBM DOS RPG II AUTO REPORT FEATURE - REFERENCE MANUAL  
 PROGRAM NUMBER 5736-RG1

\*\*SC28-6486 IBM DOS RPG II COMPILER & AUTO REPORT FEATURE INSTALLATION  
 REFERENCE MATERIAL - PROGRAM NUMBER 5736-RG1

LYC7-1317 IBM DISK OPERATING SYSTEM REPORT PROGRAM GENERATOR II  
 AUTO REPORT FEATURE - PROGRAM LISTINGS - PROGRAM NUMBER  
 5736-RG1

29 PL/I

GC33-0041 OS/ PL/I CHECKOUT COMPILER, VERSION 1 RELEASE 2: PROGRAM  
PRODUCT 5734-PL2 DESIGN OBJECTIVES  
\*\*SC33-0047 OS PL/I CHECKOUT COMPILER: CMS USER'S GUIDE - PROGRAM  
NUMBERS: 5734-PL2,5734-LM5  
GC33-0048 OS PL/I CHECKOUT COMPILER, VERSION 1 RELEASE 2  
MODIFICATION 1: PROGRAM PRODUCT 5734-PL2 DESIGN OBJECTIVES  
GC33-0030 OS PL/I CHECKOUT COMPILER - PROGRAM PRODUCT SPECIFICATIONS  
PROGRAM NUMBER 5734-PL2  
GC33-0003 OS PL/I CHECKOUT COMPILER: GENERAL INFORMATION  
PROGRAM NUMBERS 5734-PL2, 5734-LM4  
SC33-0007 SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER  
PROGRAMMER'S GUIDE - PROGRAM NUMBERS 5734-PL2, 5734-LM5  
SC33-0031 OS PL/I CHECKOUT COMPILER: INSTALLATION - PROGRAM PRODUCTS  
5734-PL2 AND 5734-LM5  
SC33-0032 SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER  
EXECUTION LOGIC MANUAL - PROGRAM NUMBERS 5734-PL2  
5734-LM5  
SC33-0034 SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER:  
MESSAGES MANUAL - PROGRAM NUMBERS 5734-PL2, 5734-LM5  
LY33-6013 OS PL/I CHECKOUT COMPILER PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 5734-PL2  
LY33-6014 SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER  
PROGRAM LOGIC, VOLUME 2 OF 2 - PROGRAM NUMBER 5734-PL2  
LYC7-2500 SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER  
PROGRAM LISTING - PROGRAM NUMBER 5734-PL2  
SX33-6002 OS PL/I OPTIMIZING AND CHECKOUT COMPILERS:  
KEYWORDS, TERMINAL COMMANDS, AND COMPILER OPTIONS  
REFERENCE CARD - PROGRAM NUMBERS 5734-PL1, PL2, PL3  
GC33-0009 OS PL/I OPTIMIZING AND CHECKOUT COMPILER  
LANGUAGE REFERENCE MANUAL  
PROGRAM NUMBERS 5734-PL1, 5734-PL2, 5734-PL3  
GC33-0013 IBM SYSTEM/360 OPERATING SYSTEM PL/I OPTIMIZING COMPILER  
DESIGN OBJECTIVES - PROGRAM NUMBER 5734-PL1  
GC33-0022 SYSTEM/360 OS PL/I OPTIMIZING COMPILER  
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-PL1  
GC33-0001 OS PL/I OPTIMIZING COMPILER: GENERAL INFORMATION MANUAL  
PROGRAM NUMBER 5734-PL1  
SC33-0006 OS PL/I OPTIMIZING COMPILER - PROGRAMMER'S GUIDE  
PROGRAM NUMBERS 5734-PL1, 5734-LM4, 5734-LM5  
SC33-0025 OS PL/I OPTIMIZING COMPILER: EXECUTION LOGIC PROGRAM NOS.  
5734-PL1, 5734-LM4 AND 5734-LM5  
SC33-0027 OPERATING SYSTEM PL/I OPTIMIZING COMPILER: MESSAGES  
PROG. NOS. 5734-PL1, 5734-LM5  
SC33-0026 OS PL/I OPTIMIZING COMPILER: INSTALLATION - PROGRAM NUMBERS  
5734-PL1, 5734-LM4, AND 5734-LM5 NOTE: THESE PRODUCTS ARE  
ALSO DISTRIBUTED AS COMPLETE PACKAGE 5734-PL3  
SC33-0037 OS PL/I OPTIMIZING COMPILER: CMS USERS GUIDE - PROGRAM  
NUMBER 5734-PL1  
LY33-6007 OS PL/I OPTIMIZING COMPILER: PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 5734-PL1  
LYC7-2506 SYSTEM/360 OPERATING SYSTEM PL/I OPTIMIZING COMPILER  
MICROFICHE LISTINGS - PROGRAM NUMBER 5734-PL1  
GC33-0023 OS PL/I RESIDENT LIBRARY - PROGRAM PRODUCT SPECIFICATIONS  
PROGRAM NUMBER 5734-LM4  
LY33-6008 SYSTEM/360 OPERATING SYSTEM PL/I RESIDENT LIBRARY:  
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-LM4  
LYC7-2504 SYSTEM/360 OPERATING SYSTEM PL/I RESIDENT LIBRARY  
MICROFICHE - PROGRAM NUMBER 5734-LM4  
GC33-0024 OS PL/I TRANSIENT LIBRARY - PROGRAM PRODUCT SPECIFICATIONS  
PROGRAM NUMBER 5734-LM5  
LY33-6009 OS PL/I TRANSIENT LIBRARY: PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 5734-LM5  
LYC7-2505 OS PL/I TRANSIENT LIBRARY - MICROFICHE, PROG. NO. 5734-LM5  
GC33-0046 DOS PL/I OPTIMIZING COMPILER, RESIDENT LIBRARY & TRANSIENT  
LIBRARY: PROG. PRODS. 5736-PL1, LM4, LM5, DESIGN OBJECTIVES  
GC33-0010 DOS PL/I OPTIMIZING COMPILER PROGRAM PRODUCT DESIGN  
OBJECTIVES - PROGRAM NUMBER 5736-PL1  
GC33-0016 DOS PL/I OPTIMIZING COMPILER PROGRAM PRODUCT SPECIFICATIONS  
PROGRAM NUMBER 5736-PL1  
GC33-0004 DOS PL/I OPTIMIZING COMPILER: GENERAL INFORMATION MANUAL -  
PROG. PROD. 5736-PL1  
GC33-0005 DOS PL/I OPTIMIZING COMPILER: LANGUAGE REFERENCE MANUAL  
PROGRAM NOS. 5736-PL1, AND 5736-PL3  
SC33-0008 DOS PL/I OPTIMIZING COMPILER: PROGRAMMER'S GUIDE - PROGRAM  
PRODUCTS 5736-PL1, 5736-LM4 AND 5736-LM5  
SC33-0019 DISK OPERATING SYSTEM/360 PL/I OPTIMIZING COMPILER:  
EXECUTION LOGIC PROGRAM NUMBERS 5736-PL1, 5736-LM4,  
5736-LM5  
SC33-0020 DOS PL/I OPTIMIZING COMPILER: INSTALLATION  
PROGRAM NOS. 5736-PL1,LM4,LM5

SC33-0021 DOS PL/I OPTIMIZING COMPILER: MESSAGES MANUAL, PROG. PROD.  
 5736-PL1, 5736-LM5  
 SX33-6001 DISK OPERATING SYSTEM/360 REFERENCE CARD PL/I OPTIMIZING  
 COMPILER KEYWORDS  
 LY33-6010 DOS PL/I OPTIMIZING COMPILER: PROGRAM LOGIC PROGRAM PRODUCT  
 5736-PL1  
 LYC7-2503 DISK OPERATING SYSTEM/360 PL/I OPTIMIZING COMPILER  
 ASSEMBLY LISTING MICROFICHE - PROGRAM NUMBER 5736-PL1  
 GC33-0017 DOS PL/I RESIDENT LIBRARY PROGRAM PRODUCT SPECIFICATIONS  
 PROGRAM NUMBER 5736-LM4  
 LY33-6011 DOS PL/I RESIDENT LIBRARY: PROGRAM LOGIC MANUAL  
 PROGRAM NUMBER 5736-LM4  
 LYC7-2501 DISK OPERATING SYSTEM/360  
 PL/I RESIDENT LIBRARY - ASSEMBLY LISTING MICROFICHE  
 PROGRAM NUMBER 5736-LM4  
 GC33-0018 DOS PL/I TRANSIENT LIBRARY PROGRAM PRODUCT SPECIFICATIONS  
 PROGRAM NUMBER 5736-LM5  
 SC33-0035 DOS PL/I TRANSIENT LIBRARY: MESSAGES  
 PROGRAM NUMBER 5736-LM5  
 LY33-6012 DOS PL/I TRANSIENT LIBRARY - PROGRAM LOGIC MANUAL  
 PROGRAM NUMBER 5736-LM5  
 LYC7-2502 DISK OPERATING SYSTEM/360 PL/I TRANSIENT LIBRARY  
 ASSEMBLY LISTING MICROFICHE - PROGRAM NUMBER 5736-LM5  
 GC33-0036 PL/I UNDER CMS - PROGRAM PRODUCT DESIGN OBJECTIVES:  
 PL/I OPTIMIZING COMPILER, PROG. NO. 5734-PL1  
 PL/I RESIDENT LIBRARY, PROG. NO. 5734-LM4  
 PL/I TRANSIENT LIBRARY, PROG. NO. 5734-LM5

30 Access Methods, Data Management, I/O Control Programs

GB21-1002 DOS/VS DASD DEVICE INDEPENDENCE OPEN (DI OPEN)  
 AVAILABILITY NOTICE - FDP # 5798-AWH  
 SB21-1003 DOS/VS DASD DEVICE INDEPENDENCE OPEN (DI OPEN) PROGRAM  
 DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AWH  
 LB21-1004 DOS/VS DASD DEVICE INDEPENDENCE OPEN (DI OPEN) SYSTEMS GUIDE  
 FDP NUMBER 5798-AWH  
 GH20-4105 DIRECT ACCESS TERMINAL APPLICATION (DATA/360-OS)  
 PROGRAM NUMBER 5734-XS3  
 GH20-0853 DATA/360-OS: GENERAL INFORMATION MANUAL, PROG. NO. 5734-XS3  
 SH20-0926 DATA/360-OS CONSOLE OPERATOR'S GUIDE,  
 PROGRAM NUMBER 5734-XS3  
 SH20-0925 DATA/360-OS TERMINAL OPERATOR'S GUIDE,  
 PROGRAM NUMBER 5734-XS3  
 \*\*GH20-4428 DIRECT ACCESS TERMINAL APPLICATION (DATA/360-OS)  
 FUNCTIONAL DESCRIPTION - PROG. PROD. 5734-XS3  
 LY20-0638 DATA/360-OS SYSTEM MANUAL  
 PROGRAM NUMBER 5734-XS3, FEATURE CODE 8087  
 GH20-4318 DIRECT ACCESS TERMINAL APPLICATION (DATA/360-11) PPS,  
 PROGRAM NUMBER 5734-XS8  
 GH20-1220 DATA/360 - II GENERAL INFORMATION MANUAL - PROGRAM NUMBER  
 5734-XS8  
 SH20-1219 DATA/360 - II CONSOLE OPERATOR'S GUIDE - PROGRAM NUMBER  
 5734-XS8  
 SH20-1221 DATA/360 - II TERMINAL OPERATOR'S GUIDE - PROGRAM NUMBER  
 5734-XS8  
 LY20-0823 DATA/360 - II LOGIC MANUAL - PROGRAM NUMBER 5734-XS8  
 GH20-4039 DIRECT ACCESS TERMINAL APPLICATION (DATA/360-DOS)  
 PROGRAM NUMBER 5736-XS2  
 GH20-0838 INTRODUCTION TO DATA/360 - DOS  
 PROGRAM NUMBER 5736-XS2  
 GH20-0723 DATA/360-DOS APPLICATION DESCRIPTION MANUAL  
 PROGRAM NUMBER 5736-XS2  
 SH20-0879 DATA/360 - DOS CONSOLE OPERATOR'S GUIDE  
 PROGRAM NUMBER 5736-XS2  
 SH20-0885 DATA/360 - DOS TERMINAL OPERATOR'S GUIDE  
 PROGRAM NUMBER 5736-XS2  
 \*\*GH20-4427 DIRECT ACCESS TERMINAL APPLICATION (DATA/360-DOS)  
 FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-XS2  
 LY20-0601 DATA/360 - DOS SYSTEM MANUAL  
 PROGRAM NUMBER 5736-XS2, FEATURE CODE 8018  
 GH20-4032 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER  
 RETRIEVAL - LOW CORE (FASTER LC)  
 SPECIFICATIONS - PROGRAM NUMBER 5736-G22  
 GH20-0810 IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR  
 EASIER RETRIEVAL - LOW CORE (FASTER LC) APPLICATION  
 DESCRIPTION - PROGRAM NUMBER 5736-G22  
 SH20-0863 IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES  
 FOR EASIER RETRIEVAL-LOW CORE (FASTER LC)  
 5736-G22 PROGRAM DESCRIPTION MANUAL  
 SH20-0864 SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES  
 FOR EASIER RETRIEVAL-LOW CORE (FASTER LC)  
 5736-G22 OPERATIONS MANUAL

LY20-0595 IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-LOW CORE (FASTER LC) 5736-G22 SYSTEM MANUAL

GH20-4149 THE OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-MULTITHREAD (OS FASTER MT) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-G21

GH20-1031 IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (OS FASTER MT) GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-G21

SH20-1147 IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT) PROGRAM NUMBER 5734-G21

SH20-1146 IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT) OPERATIONS GUIDE - PROGRAM NUMBER 5734-G21

LY20-0787 IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT) - LOGIC MANUAL - PROGRAM NUMBER 5734-G21 - FEATURE CODE 8059

GH20-4130 THE DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) PROGRAM NUMBER 5736-G24

GH20-0903 IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) APPLICATION DESCRIPTION, PROGRAM NUMBER 5736-G24

SH20-1051 IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) PROGRAM DESCRIPTION PROGRAM NUMBER 5736-G24

SH20-1052 IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) OPERATIONS MANUAL - PROGRAM NUMBER 5736-G24

LY20-0716 IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) - SYSTEM MANUAL - PROGRAM NUMBER 5736-G24

GH20-4076 SYSTEM/360 GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (OS) PROGRAM PRODUCT FUNCTIONAL DESCRIPTION SHEET PROGRAM PRODUCT 5734-XX2

GH20-0539 GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD) APPLICATION DESCRIPTION MANUAL (5734-XX2)

GH20-0678 GRAPHIC ANALYSIS OF THREE-DEMENTIONAL DATA (GATD) PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XX2

SH20-0679 GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD) OPERATIONS MANUAL - PROGRAM NUMBER 5734-XX2

SH20-0680 GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD) TERMINAL OPERATIONS MANUAL

LY20-0455 GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD) SYSTEM MANUAL - VOLUME 1 PROGRAM NUMBER 5734-XX2 FEATURE CODE 8101

LYB0-0465 GRAPHIC ANALYSIS OF THREE DIMENSIONAL DATA (GATD) SYSTEM MANUAL VOLUME 2 PROGRAM LISTINGS PROGRAM NUMBER 5734-XX2 - FEATURE CODE 8301

GB21-0411 GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360 PROG. NO. 5798-AGK - FDP AVAILABILITY NOTICE

SB21-0412 GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360 FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AGK

LB21-0413 GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360 FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE PROGRAM NUMBER 5798-AGK

GB21-0683 MINIMUM TELE-COMMUNICATION SYSTEM FOR S/370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALN

SB21-0684 MINIMUM TELE-COMMUNICATION SYSTEM FOR S/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALN

LB21-0685 MINIMUM TELE-COMMUNICATION SYSTEM FOR S/370 SYSTEMS GUIDE FDP NUMBER 5798-ALN

GB21-0061 MINIMUM TELEPROCESSING COMMUNICATION SYSTEM (DOS) - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAY

SB21-0062 MINIMUM TELEPROCESSING COMMUNICATIONS SYSTEM MANUAL PROGRAM NUMBER 5798-AAY

LB21-0063 MINIMUM TELEPROCESSING COMMUNICATIONS SYSTEM: FDP SYSTEMS GUIDE, PROG. NO. 5798-AAY, FEATURE NO. 8021

GH20-4324 IBM TELECOMMUNICATIONS CONTROL SYSTEM (TCS) SPECIFICATIONS PROGRAM PRODUCT 5734-F31

GH20-1207 TELECOMMUNICATIONS CONTROL SYSTEM (TCS) CONCEPTS AND FACILITIES MANUAL - PROGRAM PRODUCT 5734-F31

SH20-1208 TELECOMMUNICATIONS CONTROL SYSTEM (TCS) PROGRAMMER'S GUIDE AND REFERENCE MANUAL - PROGRAM PRODUCT 5734-F31

SH20-1209 TELECOMMUNICATIONS CONTROL SYSTEM (TCS) OPERATIONS GUIDE, PROGRAM NUMBER 5734-F31

LY20-0842 TELECOMMUNICATIONS CONTROL SYSTEM (TCS) LOGIC MANUAL FEATURE NUMBER 8112 - PROGRAM NUMBER 5734-F31



GC27-6967 PROGRAM PRODUCT SPECIFICATIONS VIDEO/370 OS - PROGRAM NUMBER 5734-RC5

GC27-6969 PROGRAM PRODUCT SPECIFICATIONS VIDEO/370 DOS - PROGRAM NUMBER 5736-RC3

SC27-6955 VIDEO/370 USERS GUIDE - PROGRAM PRODUCTS 5734-RC5, 5736-RC3

SC27-6960 VIDEO/370 SYSTEM INFORMATION MANUAL - PROG. NOS. 5736-RC3 AND 5734-RC5

\*\*GC28-6892 THE CICS FEATURE OF VIDEO/370 FEATURE NUMBERS 6085/6086 (OS) 6038/6039 (DOS)

\*\*GC28-8313 VIDEO/370 INCLUDING THE CICS FEATURE GENERAL INFORMATION PROGRAM NUMBERS 5734-RC5 AND 5736-RC3

LY27-7230 VIDEO/370 LOGIC MANUAL - PROGRAM NUMBERS 5734-RC5, 5736-RC3

LYC7-5048 OS VIDEO/370 LISTINGS, PROG. PROD. 5734-RC5

LYC7-5049 DOS VIDEO/370 LISTINGS - PROGRAM PRODUCT 5736-RC3

\*\*GB21-1210 ON-LINE PREPARATION OF VIDEO/370 FORMATS FDP 5798-BAC, NOTICE

\*\*SB21-1211 ON-LINE PREPARATION OF VIDEO/370 FORMATS FDP 5798-BAC, DESCRIPTION/OPERATIONS

\*\*LB21-1212 ON-LINE PREPARATION OF VIDEO/370 FORMATS FDP 5798-BAC - SYSTEMS GUIDE

GB21-0238 DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES FDP AVAILABILITY NOTICE - PROG. NO. 5798-ADT

SB21-0239 DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-ADT

LB21-0240 DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES SYSTEMS GUIDE - PROGRAM NUMBER 5798-ADT

GB21-0686 DOS 2311/14/19 - 3330 DASD DEVICE INDEPENDENCE ROUTINES AVAILABILITY NOTICE - FDP NUMBER 5798-ALK

SB21-0687 DOS 2311/14/19-3330 DASD DEVICE INDEPENDENCE ROUTINES PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALK

LB21-0688 DOS 2311/14/19-3330 DASD DEVICE INDEPENDENCE ROUTINES SYSTEMS GUIDE - FDP NUMBER 5798-ALK

SC28-6689 USER'S GUIDE FOR THE IBM 2947 MODEL 4 CHECK COLLECTION CONTROLLER ASSEMBLY FACILITIES, PROGRAMMING - PRPQ P88003 PROGRAM NUMBER 5799-AAH

GB21-0620 3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AKL

SB21-0621 3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AKL

LB21-0622 3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - SYSTEMS GUIDE - PROGRAM NUMBER 5798-AKL

GX20-1925 3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP NUMBER 5798-AKL

GB21-0761 STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ANE

SB21-0762 STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING AID FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL FDP NUMBER 5798-ANE

LB21-0763 STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING AID FOR SYSTEM/360,370 SYSTEMS GUIDE - FDP NUMBER 5798-ANE

GB21-0740 DOS 3330 DATA SET CONVERSION AID AVAILABILITY NOTICE - FDP NUMBER 5798-AMN

SB21-0741 DOS 3330 DATA SET CONVERSION AID PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMN

LB21-0742 DOS 3330 DATA SET CONVERSION AID SYSTEMS GUIDE - FDP NUMBER 5798-AMN

GB21-1291 3330 DEVICE SUPPORT EXTENDED-S/370 OS/MFT/MVT FDP 5798-BCE NOTICE

\*\*SB21-1292 3330 DEVICE SUPPORT EXTENDED S/370 OS/MFT/MVT FDP 5798-BCE DESCRIPTION/OPERATIONS

GB21-1134 AUTOMATIC LINE SPEED SELECTION FOR IBM 3704/3705 FDP 5798-AYR, NOTICE

SB21-1135 AUTOMATIC LINE SPEED SELECTION FOR 3704/3705 FDP 5798-AYR DESCRIPTION/OPERATIONS

LB21-1136 AUTOMATIC LINE SPEED SELECTION FOR IBM 3704/3705 FDP 5798-AYR SYSTEMS GUIDE

LJD2-4107 3705/4 EP PRPQ P85007 SPECIAL START-STOP - PROGRAM NUMBER 5799-AGK

\*\*GJD2-4112 IBM 3705 USASCII TRANSPARENCY PRPQ P85003 PROG. NO. 5799-AFZ

LY30-3009 IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85005, SPECIAL SYNCHRONOUS LINE CONTROL PROGRAM NO. 5799-AFY

\*\*LY30-3016 IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85015, VIRTUAL 50 LINE SUPPORT - PROG. NO. 5799-AKQ

\*\*GB21-1342 3890 DOS/VS APPLICATION/INSTALLATION SUPPORT (5798-BDC) FDP AVAILABILITY NOTICE

\*\*SB21-1343 3890 DOS/VS APPLICATION/INSTALLATION SUPPORT - FDP 5798-BDC, DESCRIPTION/OPERATIONS

### 32 Utilities

GC28-6758 IBM SYSTEM/360 OPERATING SYSTEM DATA SET UTILITIES  
SUPPORT FOR ASCII - PROGRAM NUMBER 5734-UT2

GC28-6759 OS/MFT, OS/MVT, AND OS/VS DATA SET UTILITIES SUPPORT FOR  
ASCII - PPS - PROG. NO. 5734-UT2

SC28-6760 OS/MFT, OS/MVT, AND OS/VS DATA SET UTILITIES SUPPORT FOR  
ASCII: USER'S GUIDE, PROG. NO. 5734-UT2

LY28-6761 OS/MFT, OS/MVT, AND OS/VS DATA SET UTILITIES SUPPORT FOR  
ASCII: LOGIC MANUAL, PROG. NO. 5734-UT2

LYC7-2301 SYSTEM/360 OPERATING SYSTEM ASCII UTILITIES ASSEMBLY LISTING  
MICROFICHE - PROGRAM PRODUCT - PROGRAM NUMBER 5734-UT2

GC33-5000 IBM SYSTEM/360 DISK OPERATING SYSTEM ASCII MAGNETIC TAPE  
UTILITIES  
PROGRAM NUMBER 5736-UT2

GC33-5002 SYSTEM/360 DOS ASCII MAGNETIC TAPE UTILITIES PROGRAM  
PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-UT2

SC33-5001 IBM SYSTEM/360 DOS ASCII MAGNETIC TAPE UTILITIES  
PROGRAM GUIDE - PROGRAM NUMBER 5736-UT2

LY33-8540 IBM SYSTEM/360 DISK OPERATING SYSTEM ASCII  
MAGNETIC TAPE UTILITIES PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 5736-UT2

LYC7-1700 DOS/360 ASCII MAGNETIC TAPE UTILITIES PROGRAM LISTINGS  
PROGRAM NUMBER 5736-UT2

GB21-0857 OS/DITTO AVAILABILITY NOTICE - FDP NUMBER 5798-ARD

SB21-0858 OS/DITTO PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER  
5798-ARD

LB21-0859 OS/DITTO SYSTEMS GUIDE - FDP NUMBER 5798-ARD

GB21-0875 DOS/DITTO FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP  
NUMBER 5798-ARN

SB21-0876 DOS/DITTO FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS  
MANUAL - FDP NUMBER 5798-ARN

LB21-0877 DOS/DITTO FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER  
5798-ARN

GB21-0890 DOS FILE GENERATION UTILITY AVAILABILITY NOTICE - FDP NUMBER  
5798-ARX

SB21-0891 DOS FILE GENERATION UTILITY PDOM - FDP NUMBER 5798-ARX

LB21-0892 DOS FILE GENERATION UTILITY SYSTEMS GUIDE - FDP NUMBER  
5798-ARX

GB21-1195 UTILITY DATA REDUCTION SUBROUTINES FOR S/360-370  
FDP 5798-AZW, NOTICE

SB21-1196 UTILITY DATA REDUCTION SUBROUTINES FOR S/360-370  
FDP 5798-AZW DESCRIPTIONS/OPERATIONS

LB21-1197 UTILITY DATA REDUCTION SUBROUTINES FOR S/360-370  
FDP 5798-AZW, SYSTEMS GUIDE

GC21-5068 PROGRAM PRODUCT FUNCTIONAL DESCRIPTION FOR IBM 1288 BASIC  
UNFORMATTED READ SYSTEM (MFT/MVT/VS1/VS2) PROG. NO. 5734-UT3

SC21-5014 OS IBM 1288 BASIC UNFORMATTED READ SYSTEM: A DATA CAPTURE  
UTILITY PROGRAM, PROG. NO. 5734-UT3

LY21-0022 IBM 1288 BASIC UNFORMATTED READ SYSTEM (MFT/MVT/VS1/VS2):  
LOGIC MANUAL, PROG. NO. 5734-UT3

GC21-5067 PROGRAM PRODUCT FUNCTIONAL DESCRIPTION FOR IBM DOS 1288  
BASIC UNFORMATTED READ SYSTEM - PROGRAM PRODUCT  
NUMBER 5736-UT1

SC21-5013 DOS IBM 1288 BASIC UNFORMATTED READ SYSTEM: A DATA CAPTURE  
UTILITY PROGRAM, PROG. NO. 5736-UT1

LY21-0021 IBM SYSTEM/360 IBM 1288 BASIC UNFORMATTED READ SYSTEM  
PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-UT1

GB21-0610 2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360, 370  
AVAILABILITY NOTICE - FDP NUMBER 5798-AKH

SB21-0611 2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360, 370  
PROGRAM DESCRIPTION/OPERATIONS MANUAL  
FDP NUMBER 5798-AKH

LB21-0612 2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360,370  
SYSTEMS GUIDE - FDP NUMBER 5798-AKH

GB21-0671 DOS/OS 3735 COMMUNICATIONS UTILITY FOR SYSTEM/360,370  
AVAILABILITY NOTICE - FDP NUMBER 5798-ALG

SB21-0672 DOS/OS COMMUNICATIONS UTILITY FOR SYSTEM/360,370 - PROGRAM  
DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALG

LB21-0673 DOS/OS COMMUNICATIONS UTILITY FOR SYSTEM/360,370 SYSTEMS  
GUIDE - FDP NUMBER 5798-ALG

### 33 Sort/Merge

GC33-4006 IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE  
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-SM1

GC33-4022 SYSTEM/360 OPERATING SYSTEM SORT/MERGE GENERAL INFORMATION  
MANUAL - PROGRAM NUMBER 5734-SM1

SC33-4007 IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE  
PROGRAMMER'S GUIDE - PROGRAM NUMBER 5734-SM1

SC33-4004 OS SORT/MERGE SYSTEM INFORMATION: SYSTEM GENERATION/INSTAL-  
LATION, STORAGE REQUIREMENTS, MESSAGES - PROG. NO. 5734-SM1

LY33-8027	IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE, PROGRAM LOGIC MANUAL - PROGRAM NO. 5734-SM1
LYC7-0900	PROGRAM LISTINGS OS 01.2 OS SORT/MERGE MICROFICHE PROGRAM NUMBER 5734-SM1
GC28-6753	IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK SORT/MERGE PROGRAM, PROGRAM NUMBER 5736-SM1
SC28-6755	PROGRAM PRODUCT SPECIFICATIONS
SC28-6695	IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK SORT/MERGE PROGRAM, SYSTEM INFORMATION - PROGRAM NUMBER 5736-SM1
LY28-6696	IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK SORT/MERGE PROGRAM, REFERENCE MANUAL, PROG. NO. 5736-SM1
LCB8-6757	IBM SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE PROGRAM NUMBER 5736-SM1
GC33-4031	OS/V S SORT/MERGE PROGRAM PRODUCT 5740-SM1 DESIGN OBJECTIVES
GC33-4032	OS/V S SORT/MERGE: PROG. PROD. 5740-SM1 SPECIFICATIONS
GC33-4033	OS/V S SORT/MERGE GENERAL INFORMATION - PROGRAM PRODUCT 5740-SM1
SC33-4034	OS/V S SORT/MERGE INSTALLATION REFERENCE MANUAL - PROG. PROD. 5740-SM1
SC33-4035	OS/V S SORT/MERGE PROGRAMMER'S GUIDE PROGRAM PRODUCT 5740-SM1
**SX33-8001	OS/V S SORT/MERGE REFERENCE SUMMARY - PROG. PROD. 5740-XM1
LY33-8042	OS/V S SORT/MERGE LOGIC - PROG. PROD. 5740-SM1
LYC7-0904	OS/V S SORT/MERGE, LISTING - PROG. PROD. 5740-SM1
GC33-4017	IBM SYSTEM/360 DOS SORT MERGE DESIGN OBJECTIVES PROG. NO. 5743-SM1
GC33-4019	DOS SORT/MERGE SPECIFICATIONS - PROGRAM NUMBER 5743-SM1
GC33-4020	IBM SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE GENERAL INFORMATION, PROGRAM NUMBER 5743-SM1
SC33-4018	DOS SORT/MERGE PROGRAMMER'S GUIDE - PROGRAM NUMBER 5743-SM1
SC33-4023	DOS SORT/MERGE INSTALLATION REFERENCE MANUAL PROGRAM NUMBER 5743-SM1
LY33-8039	DOS SORT/MERGE PROGRAM LOGIC MANUAL PROGRAM NUMBER 5743-SM1
LYC7-0901	DOS 01-0 SORT/MERGE LISTINGS - PROGRAM PRODUCT 5743-SM1
GC33-4027	DOS/V S SORT/MERGE DESIGN OBJECTIVES - PROGRAM PRODUCT 5746-SM1
GC33-4025	DOS/V S SORT/MERGE SPECIFICATIONS - PROGRAM NUMBER 5746-SM1
GC33-4030	DOS/V S SORT/MERGE GENERAL INFORMATION - PROGRAM NUMBER 5746-SM1
SC33-4026	DOS/V S SORT/MERGE INSTALLATION REFERENCE MANUAL PROG. PROD. 5746-SM1
SC33-4028	DOS/V S SORT/MERGE PROGRAMMER'S GUIDE - PROGRAM PRODUCT 5746-SM1
LY33-8038	DOS/V S SORT/MERGE LOGIC - PROGRAM NUMBER 5746-SM1
LYC7-0903	DOS/V S SORT/MERGE 1.0 LISTING - PROGRAM PRODUCT 5746-SM1
GB21-0034	DOS SORT EXIT ROUTINES FOR CS/30/40 DISK FILES - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAM
SB21-0035	DISK OPERATING SYSTEM SORT EXIT ROUTINES FOR CONTROL SYSTEM (CS)/30/40 FILES - FIELD DEVELOPED PROGRAM DESCRIPTION OPERATIONS MANUAL - PROGRAM NUMBER 5798-AAM
LB21-0036	DISK OPERATING SYSTEM SORT EXIT ROUTINES FOR CS/30/40 FILES SYSTEMS GUIDE - PROGRAM NUMBER 5798-AAM
**GB21-1361	DOS/V S SORT FOR 1400 FILES FDP 5798-BDH, NOTICE
**SB21-1362	DOS/V S SORT FOR 1400 FILES FDP 5798-BDH, DESCRIPTION/OPERATIONS
**LB21-1363	DOS/V S SORT FOR 1400 FILES FDP 5798-BDH SYSTEMS GUIDE
**GB21-1376	CMS SORT FOR VM/370 FDP 5798-BDW, NOTICE
**SB21-1377	CMS SORT FOR VM/370 FDP 5798-BDW DESCRIPTION/OPERATIONS
**LB21-1378	CMS SORT FOR VM/370 FDP 5798-BDW SYSTEMS GUIDE

#### 34 System Planning, Generation, Installation, SMF

GB21-0046	SMF SELECTABLE ANALYZER FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAR
GB21-9986	SMF SELECTABLE ANALYZER AND ACCOUNTING FOR DP OPERATIONS REPORT BROCHURE, FDP 5798-AAR
SB21-0047	OPERATING SYSTEM/360 SYSTEM MANAGEMENT FACILITY SELECTABLE ANALYZER - PROGRAM DESCRIPTION/OPERATION MANUAL PROGRAM NUMBER 5798-AAR
LB21-0048	OS SMF SELECTABLE ANALYZER SYSTEMS GUIDE, FDP PROG. NO. 5798-AAR

#### 35 Emulation, Simulation

GA24-3595	IBM EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS AND DOS/V S (PRPQ): PLANNING GUIDE, PROG. NO. 5799-ADT
GH20-1153	HONEYWELL SERIES 200 EMULATOR ON SYSTEM/370 USING DOS AND DOS/V S (PRPQ) - TRANSITION GUIDE, PROG. NO. 5799-ADT

GA24-3604 EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS (PRPQ), PROG. NO. 5799-ADT  
 LY24-3606 IBM EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5799-ADT  
 GJD1-4602 S/370 USING DOS/V5 IBM EMULATOR FOR HW S200, LISTINGS PROG. NO. 5799-ADT  
 GA24-3594 IBM EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS AND DOS/V5 PLANNING GUIDE - PROGRAM NUMBER 5799-ADR  
 GH20-1152 RCA 301 EMULATOR ON SYSTEM/370 USING DOS AND DOS/V5 (PRPQ) - TRANSITION GUIDE, PROG. NO. 5799-ADR  
 GA24-3605 IBM EMULATOR MANUAL FOR RCA 301 ON SYSTEM/370 USING DOS - PROGRAM NUMBER 5799-ADR  
 LY24-3607 IBM EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5799-ADR  
 GJD1-4603 S/370 USING DOS/V5 IBM EMULATOR FOR RCA 301, LISTINGS PROG. NO. 5799-ADR  
 LY30-3005 GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85004, SIX BIT TRANSCODE FOR IBM 3705 EMULATION PROGRAM PROGRAM NO. 5799-AGA  
 LY30-3004 GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85007 SPECIAL START-STOP LINE CONTROL FOR IBM 3705 EMULATION PROGRAM - PROGRAM NUMBER 5799-AGK  
 LJD2-4106 3704/5 EMULATOR PRPQ P85004 SIX BIT TRANSCODE - PROGRAM NUMBER 5799-AGA

36 Control Program

GB21-0574 OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER CONVERSION AND REPLACEMENT (DDPREP) AVAILABILITY NOTICE FDP NUMBER 5798-AJU  
 SB21-0575 OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER CONVERSION AND REPLACEMENT (DDPREP) PROGRAM DESCRIPTION/ OPERATIONS MANUAL - FDP NUMBER 5798-AJU  
 LB21-0576 OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER CONVERSION AND REPLACEMENT (DDPREP) - SYSTEMS GUIDE - FDP NUMBER 5798-AJU  
 GB21-0067 USER ROLLOUT/ROLLIN FOR SYSTEM/360 MODEL 22 & UP - FDP AVAILABILITY NOTICE - PROG. NO. 5798-ABA  
 SB21-0068 DISK OPERATING SYSTEM DYNAMIC ROLLOUT/ROLLIN FIELD DEVELOPED PROGRAM DESCRIPTION OPERATIONS MANUAL PROGRAM NUMBER 5798-ABA  
 LB21-0069 DISK OPERATING SYSTEM DYNAMIC ROLLOUT/ROLLIN PROGRAM NUMBER 5798-ABA - FIELD DEVELOPED PROGRAM SYSTEMS GUIDE

37 RAS

GB21-0635 ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-AKR  
 SB21-0636 ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AKR  
 LB21-0637 ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 SYSTEMS GUIDE FDP NUMBER 5798-AKR  
 G320-1530 TEST DATA GENERATOR FOR SYSTEM/370 - IUP 5796-PBP - NOTICE  
 SH20-1361 TEST DATA GENERATOR - IUP 5796-PBP, DESCRIPTION/OPERATIONS  
 LY20-0932 TEST DATA GENERATOR SYSTEMS GUIDE PROGRAM NO. 5796-PBP FEATURE NUMBER 8064

38 Remote Job Entry

\*\*GB21-1249 DOS/V5 POWER WORKSTATION SUPPORT FOR THE IBM 2922 FDP 5798-BBY - NOTICE  
 \*\*SB21-1250 DOS/V5 POWER WORKSTATION SUPPORT FOR THE IBM 2922 FDP 5798-BBY - DESCRIPTION/OPERATIONS  
 \*\*LB21-1251 DOS/V5 POWER WORKSTATION SUPPORT FOR THE IBM 2922 FDP 5798-BBY  
 GH20-4026 SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DISK OS (RAX-DOS) PROGRAM NUMBER 5799-AAA SPECIFICATION SHEET  
 GH20-0832 SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DOS (RAX-DOS) PROGRAMMING RPQ: APPLICATION DESCRIPTION, PROG. NO. 5799-AAA  
 SH20-0837 SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DISK OPERATING SYSTEM (RAX-DOS) PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5799-AAA  
 SH20-0843 SYSTEM/360 REMOTE ACCESS COMPUTING WITH DISK OPERATING SYSTEM (RAX-DOS) OPERATIONS MANUAL PROGRAM NUMBER 5799-AAA

39 Time Sharing

G320-1408 S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING MUSIC RELEASE II INSTALLED USER PROGRAM RELEASE NOTICE PROGRAM NUMBER 5796-AAT

G320-1238 S/360 - S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5796-AAT

SH20-1103 S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING MUSIC RELEASE II PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP NUMBER 5796-AAT

SH20-1104 S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING MUSIC RELEASE II USER'S GUIDE - IUP NUMBER 5796-AAT

LY20-0757 S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING MUSIC RELEASE II SYSTEM GUIDE - IUP NUMBER 5796-AAT

#### 40 System Operation

GB21-0553 OPERATOR TRAINING - DOS CONSOLE SIMULATION DRILLS: BASIC TRAINING COURSE A3609 (PROG. NO. 5798-AJM), CUSTOMER PROBLEM DETERMINATION COURSE A3611 (PROG. NO. 5798-AJN), AND MULTIPROGRAMMING COURSE A3612 (PROG. NO. 5798-AJP) FIELD DEVELOPED PROGRAMS-AVAILABILITY NOTICE

SB21-0554 DOS BASIC OPERATOR TRAINING - PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AJM

LB21-0555 DOS BASIC OPERATOR TRAINING - SYSTEMS GUIDE FIELD DEVELOPED PROGRAM - PROGRAM NUMBER 5798-AJM

SB21-0557 DOS CUSTOMER PROBLEM DETERMINATION OPERATOR TRAINING PROGRAM DESCRIPTION/OPERATIONS MANUAL - FIELD DEVELOPED PROGRAM - PROGRAM NUMBER 5798-AJN

LB21-0558 DOS CUSTOMER PROBLEM DETERMINATION OPERATOR TRAINING FIELD DEVELOPED PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER 5798-AJN

SB21-0560 DOS MULTIPROGRAMMING OPERATOR TRAINING - FIELD DEVELOPED PROGRAM - PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AJP

LB21-0561 DOS MULTIPROGRAMMING OPERATOR TRAINING - SYSTEMS GUIDE FIELD DEVELOPED PROGRAM - PROGRAM NUMBER 5798-AJP

\*\*GB21-1294 OS/VS2 RELEASE 1 STORAGE UTILIZATION DISPLAY PROGRAM FDP 5798-BCL, NOTICE

\*\*SB21-1295 OS/VS2 RELEASE 1 STORAGE UTILIZATION DISPLAY PROGRAM FDP 5798-BCL DESCRIPTION/OPERATIONS

\*\*LB21-1296 OS/VS2 RELEASE 1 STORAGE UTILIZATION DISPLAY PROGRAM FDP 5798-BCL - SYSTEMS GUIDE

#### ITF (Interactive Terminal Facility) - Program Product (20-83)

##### 20 General Information

LY28-6840 INDEX FOR THE OS/DOS ITF PLM, PROG. NOS. 5734-RC1 AND 3, 5736-RC1 AND 2

##### 23 BASIC (see also 29 for PL/I and BASIC or 39 for TSO-ITF PL/I and BASIC)

SC28-6835 IBM SYSTEM/360 OS/DOS ITF: BASIC TERMINAL USER'S GUIDE PROGRAM NUMBERS 5736-RC2, 5734-RC3

SX28-6814 IBM SYSTEM/360 OS/DOS ITF: BASIC, REFERENCE CARD, PROG. NOS. 5734-RC3 AND 5736-RC2

LY28-6836 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE COMPONENT: BASIC ROUTINES PROGRAM NUMBERS 5736-RC2, 5734-RC3

LYC7-5018 SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY - BASIC MODULES - MICROFICHE LISTINGS - PROGRAM NUMBER 5734-RC3

LYC7-5015 DOS ITF RELEASE II - BASIC ASSEMBLY LISTINGS - MICROFICHE PROG. PROD. 5736-RC2

##### 29 PL/I

GC28-6821 IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY PL/I AND BASIC (PROGRAM PRODUCT DESIGN OBJECTIVES) PROGRAM NUMBERS 5736-RC1, 5736-RC2

GC28-6829 IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY: PL/I (5734-RC1) AND BASIC (5734-RC3) SPECIFICATION SHEET

GC28-6830 IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY: PL/I AND BASIC - PPS PROGRAM NUMBERS: 5736-RC1 5736-RC2

SC28-6833 IBM SYSTEM/360 OS/DOS ITF: PL/I INTRODUCTION PROGRAM NUMBERS 5734-RC1, 5736-RC1

GC28-6825 IBM SYSTEM/360 OS/DOS AND OS (TSO) ITF: PL/I AND BASIC GENERAL INFORMATION, PROG. NOS. 5734-RC1/2/3/4, 5736-RC1/2

GT28-6825 IBM SYSTEM/360 OPERATING SYSTEM, DISK OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY: PLI AND BASIC GENERAL INFORMATION - PROGRAM NUMBERS 5736-RC1, 5736-RC2

SC28-6834 IBM SYSTEM/360 OS/DOS ITF: PL/I TERMINAL USER'S GUIDE  
PROGRAM NUMBERS 5734-RC1, 5736-RC1

SX28-6813 IBM SYSTEM/360 OS/DOS ITF: PLI REFERENCE CARD  
PROGRAM NUMBERS 5734-RC1, 5736-RC1

LY28-6835 IBM SYSTEM/360 OS/DOS ITF PL/I PROGRAM LOGIC  
LANGUAGE COMPONENT: PL/I ROUTINES  
PROGRAM NUMBERS 5734-RC1, 5736-RC1

LYC7-5016 IBM OS/360 ITF PL/I LISTINGS, PROG. PROD. 5734-RC1

LYC7-5013 IBM DOS/360 ITF PL/I, LISTINGS - PROG. PROD. 5736-RC1

34 System Planning, Generation, Installation, SMF

SC28-6836 IBM SYSTEM/360 OS/DOS ITF INSTALLATION REFERENCE MATERIAL  
PROGRAM NUMBERS 5734-RC1, 3; 5736-RC1, 2

36 Control Program

LY28-6832 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC INTRODUCTION AND  
METHOD OF OPERATION  
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LY28-6833 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC  
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PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5734-RC1,  
5734-RC3, 5736-RC1, 5736-RC2

LY28-6834 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC  
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PROGRAM LOGIC MANUAL PROGRAM NUMBERS 5734-RC1, 5734-RC3,  
5736-RC1, 5736-RC2

LY28-6837 IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC  
LANGUAGE COMPONENT: COMMON ROUTINES AND REFERENCE DATA  
PROGRAM NUMBERS 5734-RC1, RC3, 5736-RC1, RC2

LYC7-5006 IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL  
FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1,  
5734-RC3

LYC7-5008 IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL  
FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1,  
5734-RC3

LYC7-5009 IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL  
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5734-RC3

LYC7-5010 IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL  
FACILITY MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1,  
5734-RC3

LYC7-5011 IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL  
FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1,  
5734-RC3

LYC7-5017 IBM OS/360 ITF SHARED - PROG. PROD. 5734-RC1/RC3

LYC7-5014 DOS ITF RELEASE II - SHARED ASSEMBLY LISTINGS - MICROFICHE

39 Time Sharing

GC28-6831 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)  
INTERACTIVE TERMINAL FACILITY: PL/1 AND BASIC  
PROGRAM PRODUCT SPECIFICATIONS  
PROGRAM NUMBERS 5734-RC2, 5734-RC4

SC28-6838 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)  
INTERACTIVE TERMINAL FACILITY: PL/1 INTRODUCTION  
PROGRAM NUMBER 5734-RC2

SC28-6839 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)  
INTERACTIVE TERMINAL FACILITY: PL/1 TERMINAL USER'S GUIDE  
PROGRAM NUMBER 5734-RC2

SC28-6840 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)  
INTERACTIVE TERMINAL FACILITY: BASIC TERMINAL USER'S GUIDE  
PROGRAM NUMBER 5734-RC4

SC28-6841 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)  
INTERACTIVE TERMINAL FACILITY INSTALLATION REFERENCE MANUAL  
PROGRAM NUMBERS 5734-RC2, 5734-RC4

LY28-6845 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)  
INTERACTIVE TERMINAL FACILITY PROGRAM LOGIC INDEX  
PROGRAM NUMBERS 5734-RC2, 5734-RC4

LY28-6842 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)  
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SYSTEM CONTROL, AND SYSTEM SUPPORT  
PROGRAM NUMBERS 5734-RC2, 5734-RC4

LYC7-5033 IBM S/360 TSO ITF (PL/I), LISTINGS, PROG. NOS. 5734-RC2, RC4

LYC7-5034 SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION  
INTERACTIVE TERMINAL FACILITY (BASIC ONLY)  
PROGRAM PRODUCT LISTING MICROFICHE - PROGRAM NUMBER 5734-RC4

LYC7-5035 IBM S/360 TSO ITF (SHARED), LISTINGS PROG. NOS. 5734-RC2, 4

79 Cross-Industry (see also 82)

GH20-4139 STAT/BASIC FOR ITF - SPECIFICATION SHEET  
PROGRAM 5734-XA3  
GH20-1027 STAT/BASIC FOR SYSTEM/3 AND ITF - GENERAL INFORMATION MANUAL  
PROGRAM NUMBERS 5703-XA1, 5734-XA3  
SH20-1069 STAT/BASIC FOR SYSTEM/3 AND INTERACTIVE TERMINAL FACILITY  
PROGRAM REFERENCE - PROGRAM NUMBERS 5703-XA1, 5734-XA3  
SH20-1070 STAT/BASIC FOR INTERACTIVE TERMINAL FACILITY OPERATIONS GUID  
PROGRAM NUMBER 5734-XA3  
LY20-0728 STAT/BASIC FOR INTERACTIVE TERMINAL FACILITY LOGIC MANUAL  
FEATURE NUMBER 8100 - PROGRAM NUMBER 5734-XA3

82 Cross-Industry - Mathematics and Science

GH20-4326 BUSINESS ANALYSIS/BASIC FOR SYSTEM/3 MODEL 6, ITF (OS, DOS,  
TSO), AND VM/370-CMS: SPECIFICATIONS, PROG. NOS. 5703-XM3  
AND 5734-XMB  
GH20-1175 BUSINESS ANALYSIS/BASIC GENERAL INFORMATION MANUAL, PROG.  
NOS. 5703-XM3 (SYSTEM/3 MODEL 6) AND 5734-XMB (ITF-OS/DOS/  
TSO AND VM/370-CMS)  
SH20-1262 BUSINESS ANALYSIS/BASIC FOR ITF AND VM/370-CMS OPERATIONS  
GUIDE, PROG. NO. 5734-XMB  
SH20-1264 BUSINESS ANALYSIS/BASIC PROGRAM REFERENCE MANUAL, PROG. NOS.  
5703-XM4 (S/3 MOD 6), 5734-XMB (ITF-OS/DOS/TSO & VM/370-CMS)  
LY20-0840 BUSINESS ANALYSIS/BASIC LOGIC MANUAL, PROG. NOS. 5703-XM3  
(SYSTEM/3 MODEL 6) AND 5734-XMB (ITF-OS/DOS/TSO, VM/370-CMS)  
GH20-4308 MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF (OS, DOS, TSO), AND  
VM/370-CMS: SPECIFICATIONS, PROG. NOS. 5703-XM2 AND 5734-XM8  
GH20-1128 MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS GENERAL  
INFORMATION MANUAL, PROG. NOS. 5703-XM2 (SYSTEM/3) AND  
5734-XM8 (ITF AND VM/370-CMS)  
SH20-1157 MATH/BASIC FOR ITF AND VM/370-CMS: OPERATIONS GUIDE,  
PROGRAM NUMBER 5734-XM8  
SH20-1158 MATH/BASIC FOR SYSTEM/3 MODEL 6. ITF AND VM/370-CMS PROGRAM  
REFERENCE MANUAL, PROG. NOS. 5703-XM2 (S/3) AND 5734-XM8  
(ITF-OS/DOS/TSO AND VM/370-CMS)  
LY20-0804 MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS: LOGIC  
MANUAL, PROG. NOS. 5703-XM2 (SYSTEM/3) AND 5734-XM8 (ITF AND  
VM/370-CMS); FEATURE NOS. 8017, 8153

TSO (Time Sharing Option) Licensed-Program Publications (20-40)

NOTE: See ITF heading, above, for TSO-ITF. Non-licensed-program  
TSO publications are listed under subject code 39 in "OS/VS2"  
(now in the Virtual Storage Supplement, Order No. GC20-0001)  
or in "OS/MFT and OS/MVT Release Dependent Publications."

21 Assembler

GC26-3734 IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION:  
TSO ASSEMBLER PROMPTER DESIGN OBJECTIVES, PROGRAM 5734-CP2  
GC26-3782 IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION  
ASSEMBLER PROMPTER PROGRAM PRODUCT SPECIFICATIONS  
PROGRAM NUMBER 5734-CP2  
SC33-4029 OS TSO ASSEMBLER PROMPTER INSTALLATION REFERENCE MANUAL  
PROGRAM NUMBER 5734-CP2  
SC26-3740 OS TSO ASSEMBLER PROMPTER USER'S GUIDE, PROG. NO. 5734-CP2  
LY26-3737 IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION  
ASSEMBLER PROMPTER PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 5734-CP2  
LYC7-5037 ASSEMBLER F PROMPTER MICROFICHE LISTING, PROG PROD 5734-CP2

24 COBOL

GC28-6463 IBM OS COBOL INTERACTIVE DEBUG PROGRAM  
PRODUCT DESIGN OBJECTIVE - PROGRAM NUMBER 5734-CB4  
SC28-6465 IBM OS COBOL INTERACTIVE DEBUG TERMINAL USER'S GUIDE AND  
REFERENCE - PROGRAM NUMBER 5734-CB4  
SC28-6468 IBM OS (TSO) COBOL INTERACTIVE DEBUG INSTALLATION  
REFERENCE MATERIAL - PROGRAM NUMBER 5734-CB4  
GC28-6454 IBM OS COBOL INTERACTIVE DEBUG AND (TSO) COBOL PROMPTER  
GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5734-CB4,  
5734-CP1  
GC28-6435 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) COBOL  
PROMPTER PROGRAM PRODUCT SPECIFICATIONS  
PROGRAM NUMBER 5734-CP1  
SC28-6434 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) COBOL  
PROMPTER INSTALLATION REFERENCE MATERIAL  
5734-CP1  
SC28-6433 IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION COBOL  
PROMPTER TERMINAL USER'S GUIDE AND REFERENCE INFORMATION  
PROGRAM NUMBER 5734-CP1

LY28-6406 SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION  
 COBOL PROMPTER PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-CP1  
 LYC7-5039 SYSTEM/360 OPERATING SYSTEM FULL COBOL COMPILER  
 VERSION 3/TIME SHARING OPTION COBOL PROMPTER  
 PROGRAM NUMBER 5734-CB3  
 LYC7-5040 IBM SYSTEM/360 OPERATING SYSTEM - TIME SHARING OPTION  
 COBOL PROMPTER - PROGRAM NUMBERS 5734-CP1, 5734-CB3  
 GB21-0283 TSO ON-LINE COBOL SYMBOLIC DEBUG - FDP AVAILABILITY NOTICE  
 PROGRAM NUMBER 5798-AEZ  
 GB21-9985 TIME SHARING OPTION ON-LINE COBOL SYMBOLIC DEBUG REQUESTS  
 REFERENCE CARD FOR FDP 5798-AEZ  
 SB21-0284 TSO ON-LINE COBOL SYMBOLIC DEBUG  
 PROGRAM DESCRIPTION/OPERATIONS MANUAL  
 PROGRAM NUMBER 5798-AEZ  
 LB21-0285 TSO ON-LINE COBOL SYMBOLIC DEBUG - SYSTEMS GUIDE  
 PROGRAM NUMBER 5798-AEZ

25 FORTRAN

SC28-6842 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)  
 CODE AND GO FORTRAN PROCESSOR-TERMINAL USER'S GUIDE  
 PROGRAM NUMBERS 5734-FO1, 5734-LM1  
 GC28-6881 FORTRAN INTERACTIVE DEBUG FOR OS(TSO) AND VM/370(CMS)  
 PROGRAM PRODUCT DESIGN OBJECTIVES, PROG. NO. 5734-FO5  
 GC28-6888 FORTRAN INTERACTIVE DEBUG FOR OS (TSO)  
 PPS PROGRAM NUMBER 5734-FO5  
 SC28-6886 FORTRAN INTERACTIVE DEBUG FOR OS (TSO) INSTALLATION  
 REFERENCE MATERIAL PROGRAM NUMBER 5734-FO5  
 SC28-6885 FORTRAN INTERACTIVE DEBUG FOR OS (TSO) TERMINAL USER'S  
 GUIDE - PROGRAM PRODUCT 5734-FO5  
 SX28-8193 IBM FORTRAN INTERACTIVE DEBUG FOR OS (TSO) AND VM/370 (CMS)  
 REFERENCE CARD - PROGRAM NUMBER 5734-FO5  
 GC28-6857 IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION FORTRAN  
 PROMPTER - PROGRAM PRODUCT SPECIFICATION  
 SC28-6856 FORTRAN IV (G1) PROCESSOR AND TSO FORTRAN PROMPTER FOR OS  
 AND VM/370 (CMS): INSTALLATION REFERENCE MATERIAL, PROG.  
 NOS. 5734-FO2, 5734-CP3  
 SC28-6855 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)  
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 AND TSO FORTRAN - PROGRAM PRODUCT MANUAL  
 PROGRAM NUMBERS 5734-FO2, 5734-CP3, 5734-LM1  
 LY28-6410 IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION FORTRAN  
 PROMPTER - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-CP3  
 LYC7-5032 SYSTEM/360 TIME SHARING OPTION FORTRAN PROMPTER VERSION 7  
 PROGRAM NUMBER 5734-CP3

29 PL/I

SC33-0033 OS PL/I CHECKOUT COMPILER: TSO USER'S GUIDE - PROGRAM NUMBER  
 5734-PL2  
 SC33-0029 OS PL/I OPTIMIZING COMPILER: TSO USER'S GUIDE

32 Utilities

GC28-6768 OS/MVT AND OS/VS2 TSO DATA UTILITIES: COPY, FORMAT, LIST, &  
 MERGE - PPS - PROG. NO. 5734-UT1  
 SC28-6767 OS/MVT AND OS/VS2 TSO DATA  
 UTILITIES: COPY, FORMAT, LIST, MERGE SYSTEM INFORMATION  
 PROGRAM PRODUCT - PROGRAM NUMBER 5734-UT1  
 SC28-6765 OS/MVT AND OS/VS2 TSO DATA UTILITIES: COPY, FORMAT, LIST &  
 MERGE: USER'S GUIDE AND REFERENCE, PROG. NO. 5734-UT1  
 LY28-6766 IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION DATA  
 UTILITIES: COPY, FORMAT, LIST, MERGE  
 PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-UT1  
 LYC7-2300 ASSEMBLY LISTING MICROFICHE FOR TSO DATA UTILITIES - PROGRAM  
 PRODUCT 5734-UT1

39 Time Sharing

\*\*GB21-1122 TSO COMMAND PROCESSOR - FDP 5798-AYF NOTICE  
 GH20-4315 CPS UNDER TSO PRPQ SPECIFICATIONS  
 PROGRAM NUMBER 5799-ADY  
 SH20-1198 CPS UNDER TSO BASIC TERMINAL USERS MANUAL (PRPQ) - PROGRAM  
 NUMBER 5799-ADY  
 SH20-1197 CPS UNDER TSO TERMINAL USERS MANUAL (PRPQ) - PROGRAM NUMBER  
 5799-ADY  
 SH20-1199 CPS UNDER TSO OPERATOR'S GUIDE (PRPQ) - PROGRAM NUMBER  
 5799-ADY  
 \*\*GB21-1273 TSO/VS2 PROGRAMMING CONTROL FACILITY - FDP 5798-BBJ - NOTICE  
 \*\*LB21-1275 TSO/VS2 PROGRAMMING CONTROL FACILITY - FDP 5798-BBJ  
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82 Cross-Industry--Mathematics and Science

GH12-5102 SYSTEM/360 AND SYSTEM/370 MATRIX SYSTEM (MATSYS) (OS AND  
TSO) GENERAL INFORMATION MANUAL - PROGRAM PRODUCT 5734-XM7  
SH12-5403 MATRIX SYSTEM (MATSYS) (OS AND TSO) - PROGRAM REFERENCE  
MANUAL - PROGRAM NUMBER 5734-XM7  
LY12-5002 MATRIX SYSTEM MATRIX LOGIC MANUAL - PROGRAM PRODUCT 5734-XM7  
LYA2-5201 IBM SYSTEM/360 AND SYSTEM/370 (OS/TSO) MATRIX INTERPRETATIVE  
SYSTEM (MATSYS) PROGRAM LISTING - PROGRAM PRODUCT 5734-XM7

LICENSED APPLICATION PROGRAMS (60-83)

60 Industries - General

\*\*G320-1269 SYSTEM/370 PROGRAM PRODUCTS CROSS INDUSTRY APPLICATION  
OS DOS VM/370-CMS  
GH20-0522 DISTRIBUTION INDUSTRIES BIBLIOGRAPHY  
GC20-1747 EDUCATION INDUSTRY BIBLIOGRAPHY  
\*\*GC20-1769 FINANCE AND SECURITIES INDUSTRIES BIBLIOGRAPHY  
GH20-0536 INSURANCE INDUSTRY BIBLIOGRAPHY  
GH20-0531 MEDIA INDUSTRIES BIBLIOGRAPHY  
GH20-0970 MEDICAL INDUSTRIES BIBLIOGRAPHY  
GH20-0530 PUBLIC UTILITY INDUSTRIES BIBLIOGRAPHY  
GC20-1740 STATE AND LOCAL GOVERNMENT INDUSTRIES BIBLIOGRAPHY

63 Distribution

GH20-0764 SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM  
APPLICATION DESCRIPTION MANUAL  
PROGRAM NUMBER 5736-D51  
SH20-0846 SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM  
PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-D51  
SH20-0847 SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM  
OPERATIONS MANUAL PROGRAM NUMBER 5736-D51  
LY20-0579 SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM  
SYSTEM MANUAL FEATURE CODE 8012 PROGRAM NUMBER 5736-D51  
GB21-0984 APPAREL CUT SCHEDULING FOR SYSTEM/3 MODEL 10 OR  
SYSTEM/360/370/DOS AVAILABILITY NOTICE - FDP NUMBER 5798-AWA  
SB21-0985 APPAREL CUT SCHEDULING FOR SYSTEM/3 MODEL 10 OR  
SYSTEM/360/370/DOS PROGRAM DESCRIPTION/OPERATIONS MANUAL  
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LB21-0986 APPAREL CUT SCHEDULING FOR SYSTEM/3 MODEL 10 OR  
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GH20-4408 SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) - ALLOCATION (OS)  
FUNCTIONAL DESCRIPTION - PROGRAM NUMBER 5734-D32  
GH20-4410 CONSUMER GOODS SYSTEM (COGS) ALLOCATION  
FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-D31  
GH20-0721 SYSTEM/360 CONSUMER GOODS SYSTEM (COGS)  
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PROGRAM NUMBERS (DOS) 5736-D31, (OS) 5734-D32  
SH20-0821 CONSUMER GOODS SYSTEM (COGS) ALLOCATION (DOS) (OS)  
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SH20-0820 CONSUMER GOODS SYSTEM (COGS) ALLOCATION (DOS) (OS)  
OPERATIONS MANUAL, PROGRAM NUMBERS DOS-5736-D31, OS-5734-D32  
LY20-0622 CONSUMER GOODS SYSTEM (COGS) ALLOCATION (OS) SYSTEM MANUAL  
PROGRAM NUMBER 5734-D32  
GH20-4409 SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING  
(OS) FUNCTIONAL DESCRIPTION - PROGRAM NUMBER 5734-D33  
GH20-4418 THE CONSUMER GOODS SYSTEM (COGS - FORECASTING FUNCTIONAL  
DESCRIPTION) - PROGRAM PRODUCT - 5736-D32  
GH20-0722 SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING (DOS)  
(OS) - APPLICATION DESCRIPTION MANUAL - PROGRAM NUMBER  
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SH20-0804 SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING  
PROGRAM DESCRIPTION MANUAL (PROGRAM NUMBER 5736-D32)  
SH20-0803 CONSUMER GOODS SYSTEM (COGS) FORECASTING (DOS) (OS)  
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LY20-0621 CONSUMER GOODS SYSTEM (COGS), FORECASTING (OS),  
SYSTEM MANUAL, PROGRAM NUMBER 5734-D33  
G320-8062 DISTRIBUTION ORDER ENTRY SYSTEM - S/370 AND 3270's,  
2319/3330/3340 SUPPORT, LAG DRUG CO.: IUP 5796-ABT NOTICE  
\*\*SH20-1321 DISTRIBUTION ORDER ENTRY SYSTEM LAG DRUG COMPANY  
CHICAGO, ILLINOIS - PROGRAM DESCRIPTION/OPERATIONS MANUAL  
PROG. NO. 5796-ABT  
SH20-1341 DISTRIBUTION ORDER ENTRY SYSTEM, LAG DRUG CO.: IUP 5796-ABT  
DESCRIPTION/OPERATIONS  
\*\*SH20-1385 DISTRIBUTION ORDER ENTRY SYSTEM FOR SYSTEM 360/370  
WITH 3270's 3340 SUPPORT - IUP 5796-ABT,  
DESCRIPTION/OPERATIONS  
LY20-0924 DISTRIBUTION ORDER ENTRY SYSTEM LAG DRUG COMPANY CHICAGO,  
ILLINOIS SYSTEM GUIDE - PROGRAM NUMBER 5796-ABT

**\*\*LY20-0936** DISTRIBUTION ORDER ENTRY SYSTEM FOR SYSTEM 360/370  
 WITH 3270'S 3340 SUPPORT IUP 5796-ABT, SYSTEM GUIDE  
**\*\*G320-8097** DISTRIBUTION ORDER ENTRY SYSTEM FOR SYSTEM 360/370 with  
 3270'S 3340 SUPPORT - IUP 5796-ABT, NOTICE  
 GB21-0978 DISTRIBUTION SYSTEM SIMULATOR (DSS) FOR SYSTEM/360-370  
 AVAILABILITY NOTICE - FDP NUMBER 5798-ATY  
 SB21-0979 DISTRIBUTION SYSTEM SIMULATOR (DSS) FOR SYSTEM/360-370  
 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATY  
 LB21-0980 DISTRIBUTION SYSTEM SIMULATOR (DSS) FOR SYSTEM/360-370  
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 GH20-4142 FASHION REPORTER PROGRAM PRODUCT SPECIFICATIONS  
 PROGRAM NUMBER 5736-D11  
 GH20-0935 IBM FASHION REPORTER: APPLICATION DESCRIPTION, PROG. NO.  
 5736-D11  
 SH20-1053 IBM FASHION REPORTER, PROGRAM DESCRIPTION MANUAL,  
 PROGRAM NUMBER 5736-D11  
 SH20-1054 IBM FASHION REPORTER, OPERATIONS MANUAL  
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 GH20-1241 IBM FASHION REPORTER, USER'S GUIDE - PROGRAM NUMBER 5736-D11  
**\*\*GH20-4429** FASHION REPORTER, FUNCTIONAL DESCRIPTION  
 PROG. PROD. 5736-D11  
 LY20-0717 IBM FASHION REPORTER PROGRAM PRODUCT SYSTEM MANUAL  
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 G320-8065 THE TWIN FAIR MERCHANDISE PROCESSING SYSTEM FOR SYSTEM/370  
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 5796-ADB NOTICE  
 SH20-1342 THE TWIN FAIR MERCHANDISE PROCESSING SYSTEM - SYSTEM/370  
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 SH20-1308 JAMES ALLAN AND SONS ON-LINE ORDER SYSTEM PROGRAM  
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 LY20-0776 JAMES ALLAN & SONS - ON-LINE ORDER SYSTEM - SYSTEMS GUIDE  
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 GH20-0604 SYSTEM/360 ORDER ALLOCATION SYSTEM  
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 SH20-0726 SYSTEM/360 ORDER ALLOCATION SYSTEM  
 PROGRAM DESCRIPTION MANUAL  
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 LY20-0496 SYSTEM/360 ORDER ALLOCATION SYSTEM SYSTEM MANUAL  
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 G320-1525 IBM WAREHOUSE SIMULATOR AVAILABILITY NOTICE IUP 5796-PBK  
 5796-PBK  
 GB21-9937 IBM WAREHOUSE SIMULATOR SYSTEM/360/370: IUP 5796-PBK REPORT  
 BROCHURE  
 SH20-1122 IBM WAREHOUSE SIMULATOR PROGRAM DESCRIPTION/OPERATIONS  
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 LY20-0766 IBM WAREHOUSE SIMULATOR SYSTEMS GUIDE - IUP NUMBER 5796-PBK

64 Education, Libraries

GB21-0734 ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360 FOR  
 SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALY  
 SB21-0735 ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360 FOR  
 SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP  
 NUMBER 5798-ALY  
 LB21-0736 ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360,  
 370 SYSTEMS GUIDE - FDP NUMBER 5798-ALY  
 GH20-0735 COURSEWRITER III FOR SYSTEM/360 (OS AND DOS) VERSION 2  
 APPLICATION DESCRIPTION MANUAL - PROG. NOS. 5734-E12,  
 360A-UX-01X  
 SH20-0744 COURSEWRITER III FOR SYSTEM/360 (OS) VERSION 2  
 OPERATOR'S GUIDE PROGRAM NUMBER 5734-E12  
 GX20-1780 COURSEWRITER III SYSTEM STUDENT/MONITOR REFERENCE CARD  
 PROGRAM NUMBERS 5734-E12 360A-UX-01X  
 GX20-1781 IBM AUTHOR'S COURSEWRITER III REFERENCE CARD  
 PROGRAM NUMBERS 360A-UX-01X, 5734-E12  
 GX20-1782 IBM SUPERVISOR'S COURSEWRITER III REFERENCE CARD  
 PROGRAM NUMBERS 5734-E12, 360A-UX-01X  
 LY20-0495 COURSEWRITER III FOR SYSTEM/360 (OS) VERSION 2  
 PROGRAMMER'S GUIDE  
 PROGRAM NUMBER 5734-E12 FEATURE CODE 8000  
 GH20-4301 COURSEWRITER III/OS VERSION 3 - SPECIFICATION SHEET  
 PROGRAM NUMBER 5734-E13  
 GH20-4128 COURSEWRITER III/DOS VERSION 3 - SPECIFICATION SHEET  
 PROGRAM NUMBER 5736-E11  
 GH20-0987 COURSEWRITER III, VERSION 3 APPLICATION DESCRIPTION MANUAL  
 PROGRAM NUMBERS 5734-E13, 5736-E11  
 SH20-1009 COURSEWRITER III, VERSION 3 AUTHOR'S GUIDE - OPERATING  
 SYSTEM AND DISK OPERATING SYSTEM  
 PROGRAM NUMBERS 5734-E13, 5736-E11

GX20-1833 COURSEWRITER III VERSION 3 AUTHOR'S REFERENCE CARD  
PROGRAM NUMBERS 5736-E11 (DOS) 5734-E13 (OS)

SH20-1022 COURSEWRITER III/OS VERSION 3 - OPERATOR'S GUIDE  
PROGRAM NUMBER 5734-E13

SH20-1012 COURSEWRITER III, VERSION 3 OPERATOR'S GUIDE  
DISK OPERATING SYSTEM - PROGRAM NUMBERS 5736-E11

SH20-1010 COURSEWRITER III, VERSION 3 STUDENT/MONITOR USER'S GUIDE  
OPERATING SYSTEM AND DISK OPERATING SYSTEM  
PROGRAM NUMBERS 5734-E13, 5736-E11

GX20-1834 COURSEWRITER III, VERSION 3 STUDENT REFERENCE CARD  
OPERATING HINTS - PROGRAM NUMBER 5736-E11 (DOS)  
5734-E13 (OS)

GX20-1832 COURSEWRITER III VERSION 3 MONITOR REFERENCE CARD PROGRAM  
NUMBERS 5736-E11 (DOS) 5734-E13 (OS)

SH20-1011 COURSEWRITER III, VERSION 3 SUPERVISOR'S GUIDE  
OPERATING SYSTEM AND DISK OPERATING SYSTEM  
PROGRAM NUMBERS 5734-E13, 5736-E11

GX20-1835 COURSEWRITER III, VERSION 3 SUPERVISOR'S REFERENCE CARD  
PROGRAM NUMBERS 5736-E11 (DOS) 5734-E13 (OS)

LY20-0691 COURSEWRITER III/OS VERSION 3 SYSTEM PROGRAMMERS GUIDE  
PROG. NO. 5734-E13

LY20-0679 COURSEWRITER III, VERSION 3 DISK OPERATING SYSTEM  
SYSTEM PROGRAMMER'S GUIDE - PROGRAM NUMBER 5736-E11

LYB0-0785 COURSEWRITER III, VERSION 3 OS LISTINGS - MICROFICHE  
PROGRAM NUMBER 5734-E13

LYB0-0784 COURSEWRITER III, VERSION 3 OS FLOWCHARTS - MICROFICHE  
PROGRAM NUMBER 5734-E13

LYB0-0720 COURSEWRITER III, DOS VERSION 3 LISTINGS - MICROFICHE  
PROGRAM NUMBER 5736-E11

LYB0-0721 COURSEWRITER III; DOS VERSION 3 FLOWCHARTS  
MICROFICHE - PROGRAM NUMBER 5736-E11

GH20-4322 EPIC: BUDGET/FINANCE SPECIFICATIONS - PROGRAM NUMBER  
5735-E93

GH20-1132 EPIC BUDGET/FINANCE FINANCIAL ACCOUNTING SYSTEM FOR  
EDUCATIONAL INSTITUTIONS - PROGRAM PRODUCT GENERAL  
INFORMATION - PROGRAM NUMBER 5735-E93

SH20-1252 EPIC: BUDGET/FINANCE OPERATIONS GUIDE, PROG. NO. 5735-E93  
5735-E93

SH20-1253 EPIC: BUDGET/FINANCE USER'S GUIDE - PROGRAM NUMBER 5735-E93

LY20-0837 EPIC: BUDGET/FINANCE LOGIC MANUAL - PROGRAM NUMBER 5735-E93

GH20-4332 EPIC: FAST TEST SCORING SYSTEM PROGRAM PRODUCT  
SPECIFICATIONS - PROGRAM NUMBER 5735-E92

SH20-1282 EPIC: FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL  
INSTITUTIONS OPERATIONS GUIDE - PROGRAM NUMBER 5735-E92

SH20-1283 EPIC: FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL  
INSTITUTIONS USER'S MANUAL - PROG. NO. 5735-E92

LY20-0848 EPIC: FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL  
INSTITUTIONS LOGIC MANUAL - PROGRAM NUMBER 5735-E92

GH20-4317 EPIC SOCRATES STUDENT SCHEDULING SYSTEM  
SPECIFICATION SHEET - PROG. NO. 5735-E91

GH20-1129 EPIC SOCRATES STUDENT SCHEDULING SYSTEM FOR EDUCATIONAL  
INSTITUTIONS - GENERAL INFORMATION  
PROGRAM NUMBER 5735-E91

SH20-1245 EPIC: SOCRATES STUDENT SCHEDULING SYSTEM FOR EDUCATIONAL  
INSTITUTIONS - OPERATIONS GUIDE PROG. NO. 5737-E91

SH20-1242 EPIC: SOCRATES (STUDENT SCHEDULING SYSTEM FOR EDUCATIONAL  
INSTITUTIONS) USER'S GUIDE - PROGRAM NUMBER 5735-E91

LY20-0835 EPIC: SOCRATES STUDENT SCHEDULING SYSTEMS FOR EDUCATIONAL  
INSTITUTIONS - LOGIC MANUAL - PROG. NO. 5735-E91

GH20-4331 EPIC: STUDENT PROGRAM PRODUCT SPECIFICATION - PROGRAM NUMBER  
5735-E94

GH20-1130 EPIC STUDENT RECORD SYSTEM FOR EDUCATIONAL INSTITUTIONS  
GENERAL INFORMATION MANUAL, PROG. NO. 5735-E94

SH20-1281 EPIC: STUDENT RECORD SYSTEM FOR EDUCATIONAL  
INSTITUTIONS OPERATIONS GUIDE  
PROGRAM NUMBER 5735-E94

SH20-1284 EPIC: STUDENT - STUDENT RECORD SYSTEM FOR EDUCATIONAL  
INSTITUTIONS USER'S GUIDE - PROGRAM NUMBER 5735-E94

LY20-0851 EPIC: STUDENT RECORD SYSTEM FOR EDUCATIONAL INSTITUTIONS  
LOGIC MANUAL - PROGRAM NUMBER 5735-E94

GH20-1131 EPIC FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL  
INSTITUTIONS - PROGRAM PRODUCT GENERAL INFORMATION  
PROGRAM NUMBER 5735-E92

G320-1439 S/370 FILM LIBRARY MANAGEMENT SYSTEM (FLMS) RELEASE NOTICE  
PROGRAM NUMBER 5796-ACW

SH20-1316 S/360/370 FILM LIBRARY MANAGEMENT SYSTEM (FLMS) PDOM  
5796-ACW (UNIVERSITY OF IOWA) - IUP NUMBER 5796-ACW

LY20-0779 S/360/370 FILM LIBRARY MANAGEMENT SYSTEM (FLMS) SYSTEMS  
GUIDE - IUP NUMBER 5796-ACW

\*\*G320-1534 LIBRARY ACCESS SYSTEM - CIRCULATION CONTROL

G320-1441 STUDENT RESPONSE ANALYSIS PROCESSORS (STRAP) FOR S/370 THE  
OHIO STATE UNIVERSITY - IUP NUMBER 5796-ACX

GB21-9936 STUDENT RESPONSE ANALYSIS PROCESSOR (STRAP) OHIO STATE  
 UNIVERSITY COLUMBUS, OHIO - REPORT BROCHURE IUP # 5796-ACX  
 SH20-1325 STUDENT RESPONSE ANALYSIS PROCESSORS (STRAP) FOR S/370 OHIO  
 STATE UNIVERSITY PDOM - IUP NUMBER 5796-ACX

65 Engineering (see also codes 72, 82 and 83)

GH20-4137 ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP-II) FOR THE  
 OPERATING SYSTEM: PROGRAM PRODUCT 5734-EE1 SPECIFICATIONS  
 GH20-0983 ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM  
 OPERATING SYSTEM AND 1130 COMPUTING SYSTEM: APPLICATION  
 DESCRIPTION, PROG. NOS. 5734-EE1, 5711-EE1  
 SH20-1015 ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM  
 OPERATING SYSTEM AND 1130 COMPUTING SYSTEM  
 PROGRAM DESCRIPTION MANUAL, PROG. NOS. 5734-EE1, 5711-EE1  
 SH20-1025 ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM  
 OPERATING SYSTEM - OPERATIONS MANUAL  
 PROGRAM NUMBER 5734-EE1  
 LY20-0692 ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM  
 OPERATING SYSTEM AND 1130 COMPUTING SYSTEM - SYSTEM MANUAL  
 FEATURE NUMBER 8095 - PROGRAM NUMBERS 5734-EE1, 5711-EE1  
 GH20-0598 RIGID FRAME SELECTION PROGRAM (RFSP): APPLICATION  
 DESCRIPTION, PROG. NOS. 1130-EC-09X, 5734-EC1, 5736-EC1  
 SH20-0613 RIGID FRAME SELECTION PROGRAM RFSP  
 PROGRAM DESCRIPTION MANUAL  
 PROGRAM NUMBER 5734-EC1 5736-EC1  
 SH20-0612 RIGID FRAME SELECTION PROGRAM (RFSP) OPERATIONS MANUAL  
 PROGRAM NUMBER 1130-EC-09X 5734-EC1 5736-EC1  
 GY20-0316 RIGID FRAME SELECTION PROGRAM (RFSP): SYSTEM MANUAL VOLUME 1  
 PROG. NOS. 1130-EC-09X, 5734-EC1, 5736-EC1  
 LY20-0473 RIGID FRAME SELECTION PROGRAM (RFSP) VOLUME 3 - COMPILATION  
 LISTINGS SYSTEM MANUAL  
 PROGRAM NUMBER 5734-EC1 FEATURE CODE 8501  
 LY20-0474 RIGID FRAME SELECTION PROGRAM (RFSP) VOLUME 4 -  
 COMPILATION LISTINGS SYSTEM MANUAL  
 PROGRAM NUMBER 5736-EC1 FEATURE CODE 8501

67 Finance, Securities, Real Estate

GH20-4414 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM (ACIP)  
 FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-F32  
 GH20-0775 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM  
 APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F32  
 SH20-0895 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM  
 PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F32  
 SH20-0893 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM  
 OPERATIONS MANUAL, PROGRAM NUMBER 5736-F32  
 SH20-0894 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM  
 TERMINAL OPERATOR'S MANUAL PROGRAM NUMBER 5736-F32  
 LY20-0628 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM  
 SYSTEM MANUAL - PROGRAM NUMBER 5736-F32 FEATURE NUMBER 8033  
 GH20-4121 BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) SPECIFICATIONS  
 PROGRAM PRODUCT 5736-F31  
 GH20-0789 BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2  
 APPLICATION DESCRIPTION - PROGRAM NUMBER 5736-F31  
 SH20-0997 BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2  
 PROGRAM DESCRIPTION MANUAL VOLUME 1: NARRATIVE  
 PROGRAM NUMBER 5736-F31  
 SH20-0998 BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2  
 PROGRAM DESCRIPTION MANUAL VOLUME 2: RECORD LAYOUTS, PROG.  
 NO. 5736-F31  
 SH20-0999 BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2  
 OPERATIONS MANUAL, PROG. NO. 5736-F31  
 LY20-0694 BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2  
 SYSTEM MANUAL - PROGRAM NUMBER 5736-F31, FEATURE 8005  
 GH20-4353 BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE),  
 SPECIFICATIONS PROGRAM NUMBER 5746-F31  
 GB21-1201 BASE CUSTOMER ACCOUNT STATUS AND SEGREGATION SYSTEM  
 FDP 5798-BAX, DESCRIPTION/OPERATIONS  
 SB21-1202 BASE CUSTOMER ACCOUNT STATUS AND SEGREGATION SYSTEM  
 FDP - 5798-BAX - DESCRIPTION/OPERATIONS  
 LB21-1203 BASE CUSTOMER ACCOUNT STATUS AND SEGREGATION SYSTEM  
 FDP 5798-BAX SYSTEMS GUIDE  
 GH20-4343 CHECK PROCESSING CONTROL SYSTEM (CPCS) - PROGRAM NUMBER  
 5734-F11 SPECIFICATIONS  
 GH20-1008 CHECK PROCESSING CONTROL SYSTEM (CPCS) & CPCS/3890 FEATURE:  
 GENERAL INFORMATION MANUAL - PROG. PROD. 5734-F11  
 SH20-1227 CHECK PROCESSING CONTROL SYSTEM (CPCS) PROGRAM REFERENCE  
 MANUAL PROGRAM NUMBER 5734-F11  
 SH20-1228 CHECK PROCESSING CONTROL SYSTEM OPERATIONS GUIDE  
 PROG. NO. 5734-F11  
 SH20-1229 CHECK PROCESSING CONTROL SYSTEM (CPCS): TERMINAL OPERATIONS  
 GUIDE, PROG. NO. 5734-F11

GH20-4248 CPCS/3890 FEATURE 6080/6081 PROGRAM PRODUCT 5734-F11 DESIGN OBJECTIVES

\*\*LY20-0827 CHECK PROCESSING CONTROL SYSTEM (CPCS)  
LOGIC MANUAL - PROG. NO. 5734-F11

\*\*GH20-1512 GENERAL INFORMATION MANUAL COMMERCIAL LOAN SYSTEM  
GB21-0677 CREDIT UNION SYSTEM/360/370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALJ

SB21-0678 CREDIT UNION SYSTEM/360/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALJ

LB21-0679 CREDIT UNION SYSTEM/360/370 SYSTEMS GUIDE - FDP NUMBER 5798-ALJ

\*\*GB21-1038 CUSTOMER INFORMATION FILE (CIF) USING IMS DB/DC FOR SYSTEM/370 - FDP 5798-AWZ NOTICE

\*\*SB21-1039 CUSTOMER INFORMATION FILE (CIF) USING IMS DB/DC FOR SYSTEM/370 - FDP 5798-AWZ DESCRIPTION/OPERATIONS

\*\*LB21-1040 CUSTOMER INFORMATION FILE (CIF) USING IMS DB/DC FOR SYSTEM/370 - FDP 5798-AWZ SYSTEMS GUIDE

\*\*LB21-1041 CUSTOMER INFORMATION FILE (CIF) USING IMS DB/DC FOR SYSTEM/370 (5798-AWZ) FDP - TERMINAL OPERATOR'S GUIDE

G320-1420 DEMAND DEPOSIT ACCOUNTING SYSTEM WITH OVERDRAFT BANKING THE PLANTER NATIONAL BANK AND TRUST COMPANY, ROCKY MOUNT, NORTH CAROLINA ANNOUNCEMENT NOTICE - PROGRAM NUMBER 5796-ABL

SH20-1300 DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK AND TRUST COMPANY ROCKY MOUNT, NORTH CAROLINA PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROG. NO. 5796-ABL

LY20-0770 DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK AND TRUST COMPANY ROCKY MOUNT, NORTH CAROLINA USER'S GUIDE - PROG. NO. 5796-ABL

LY20-0769 DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK AND TRUST COMPANY ROCKY MOUNT, NORTH CAROLINA SYSTEM GUIDE - PROG. NO. 5796-ABL

GH20-4087 FINANCIAL TERMINAL SYSTEM (FTS) FUNCTIONAL DESCRIPTION SHEET PROGRAM PRODUCT 5736-F12

GH20-0763 FINANCIAL TERMINAL SYSTEM APPLICATION DESCRIPTION FTS/360 PROGRAM NUMBER 5736-F12

SH20-0870 SYSTEM/360 FINANCIAL TERMINAL SYSTEM, PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F12

SH20-0871 SYSTEM/360 FINANCIAL TERMINAL SYSTEM, OPERATIONS MANUAL, PROGRAM NUMBER 5736-F12

SH20-0872 SYSTEM/360 FINANCIAL TERMINAL SYSTEM, PROGRAMMER'S MANUAL, PROGRAM NUMBER 5736-F12

LY20-0606 SYSTEM/360 FINANCIAL TERMINAL SYSTEM SYSTEM MANUAL, VOLUME I: FLOWCHART NARRATIVES PROGRAM NUMBER 5736-F12, FEATURE CODE 8026

LY20-0607 SYSTEM/360 FINANCIAL TERMINAL SYSTEM SYSTEM MANUAL VOLUME II: FLOWCHARTS PROGRAM NUMBER 5736-F12 FEATURE CODE 8026

GH20-4304 MARKETABLE SECURITIES INVENTORY SYSTEM PROGRAMMING RPQ MB4259 - SPECIFICATION SHEET - PROGRAM NUMBER 5799-ABY

SH20-1154 MARKETABLE SECURITIES INVENTORY SYSTEM, PROGRAMMING RPQ MB4259, PROGRAM REFERENCE MANUAL - PROG. NO. 5799-ABY

SH20-1155 MARKETABLE SECURITIES INVENTORY SYSTEM PROGRAMMING RPQ MB4259 - PROGRAM NUMBER 5799-ABY OPERATIONS GUIDE

LY20-0793 MARKETABLE SECURITIES INVENTORY SYSTEM - LOGIC MANUAL PROGRAM NUMBER 5799-ABY

G320-8074 SYSTEM/370 MICR OS TRANSIT SYSTEM, INDIANA NATIONAL BANK: IUP 5796-ADG NOTICE

SH20-1347 MICR OS TRANSIT SYSTEM DESCRIPTION/OPERATIONS - IUP NUMBER 5796-ADG

LY20-0926 MICR OS TRANSIT SYSTEM SYSTEM/370 OS THE INDIANA NATIONAL BANK, INDIANAPOLIS, INDIANA SYSTEMS GUIDE - PROGRAM NUMBER 5796-ADG

GH20-1160 REGISTERED REPRESENTATIVE SYSTEM GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-F34

SH20-1159 REGISTERED REPRESENTATIVE SYSTEM PROGRAMMING OVERVIEW PROGRAM NUMBER 5734-F34

GH20-4323 IBM SECURITIES ORDER MATCHING (SOM) SPECIFICATIONS - PROGRAM PRODUCT 5734-F32

GH20-1039 SECURITIES ORDER MATCHING GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-F32

SH20-1224 SECURITIES ORDER MATCHING PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-F32

SH20-1225 SECURITIES ORDER MATCHING OPERATIONS GUIDE - PROGRAM NUMBER 5734-F32

SH20-1226 SECURITIES ORDER MATCHING SCOPE OPERATIONS GUIDE - PROGRAM NUMBER 5734-F32

LY20-0825 SECURITIES ORDER MATCHING LOGIC MANUAL FEATURE NUMBER 8113 PROGRAM NUMBER 5734-F32

GB21-0776 TELLER CONTROL SYSTEM FOR SYSTEM/370 (OS) AVAILABILITY  
NOTICE - FDP NUMBER 5798-ANH

SB21-0777 TELLER CONTROL SYSTEM FOR SYSTEM/370 (OS): FDP 5798-ANH  
DESCRIPTION/OPERATIONS

LB21-0778 TELLER CONTROL SYSTEM FOR SYSTEM/370 (OS) SYSTEMS GUIDE  
FDP NUMBER 5798-ANH

GB21-0764 TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE  
AVAILABILITY NOTICE - FDP NUMBER 5798-AND

SB21-0765 TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE PROGRAM  
DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AND

LB21-0766 TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE SYSTEMS  
GUIDE - FDP NUMBER 5798-AND

SB21-0852 THE TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 OFF-LINE  
PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-APX

LB21-0853 TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 OFF-LINE  
SYSTEMS GUIDE - FDP NUMBER 5798-APX

GB21-0010 2770/1255 REMOTE MICR ENTRY SYSTEM (UNDER DOS BTAM) - FDP  
AVAILABILITY NOTICE - PROG. NO. 5798-AAD

SB21-0011 2770/1255 REMOTE MICR ENTRY SYSTEM  
PROGRAM DESCRIPTION/OPERATION MANUAL  
PROGRAM NUMBER 5798-AAD

LB21-0012 2770/1255 REMOTE MICR ENTRY SYSTEM - SYSTEMS GUIDE  
PROGRAM NUMBER 5798-AAD

#### 70 Government, State and Local

GH20-4118 IBM BASIC COURTS SYSTEM SPECIFICATIONS SHEETS  
PROGRAM NUMBER 5736-G26

GH20-0888 BASIC COURTS SYSTEM (BCS) APPLICATION DESCRIPTION MANUAL,  
PROGRAM NUMBER 5736-G26

SH20-0963 BASIC COURTS SYSTEM - PROGRAM PRODUCT DESCRIPTION MANUAL  
PROGRAM PRODUCT 5736-G26

SH20-0964 BASIC COURTS SYSTEM PROGRAM PRODUCT OPERATIONS MANUAL  
PROGRAM NUMBER 5736-G26

LY20-0656 IBM SYSTEM/360 BASIC COURTS SYSTEM, SYSTEM MANUAL  
PROGRAM NUMBER 5736-G26

GH20-4148 BACIS (BUDGET ACCOUNTING INFORMATION SYSTEM) FOR PUBLIC  
INSTITUTIONS - PROGRAM PRODUCT SPECIFICATIONS  
PROGRAM NUMBER 5736-G25

GH20-1002 BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC  
INSTITUTIONS - GENERAL INFORMATION MANUAL  
PROGRAM NUMBER 5736-G25

SH20-1150 BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS)  
PROGRAM PRODUCT - OPERATOR'S GUIDE - PROGRAM NUMBER 5736-G25

SH20-1151 BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC  
INSTITUTIONS; PROGRAM PRODUCT REFERENCE MANUAL  
PROGRAM NUMBER 5736-G25

LY20-0792 BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC  
INSTITUTIONS - LICENSED PROGRAM PRODUCT MANUAL  
PROGRAM NUMBER 5736-G25

\*\*GB21-1198 SYSTEMS/370 JUSTICE SYSTEM FDP 5798-AZX, NOTICE

\*\*SB21-1199 SYSTEM/370 JUSTICE SYSTEM FDP 5798-AZX  
DESCRIPTION/OPERATIONS

\*\*LB21-1200 SYSTEM/370 JUSTICE SYSTEM FDP 5798-AZX, SYSTEMS GUIDE

GH20-4085 LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM  
(LEMRAS) FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-G21

GH20-0629 LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM  
(LEMRAS): APPLICATION DESCRIPTION MANUAL  
PROGRAM NUMBER 5736-G21

SH20-0695 LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMRAS)  
PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBER 5736-G21

SH20-0696 LAW ENFORCEMENT RESOURCE ALLOCATION SYSTEM (LEMRAS)  
OPERATIONS MANUAL (5736-G21)

LY20-0479 LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMRAS)  
SYSTEM MANUAL VOLUME I  
(PROGRAM NUMBER 5736-G21 FEATURE CODE 8400)

LYB0-0480 LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMRAS)  
VOLUME 2 LISTINGS - MICROFICHE  
SYSTEM MANUAL PROGRAM NUMBER 5736-G21, FEATURE CODE 8401

#### 71 Insurance

NOTE: The ALIS publications listed below apply to Version 2.  
For publications applying to both Version 1 (360A-IL-09X) and  
Version 2 (5736-N11) of ALIS, see "71 Insurance" in "Type II PROGRAMS."

LY20-0418 ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2  
FINANCIAL VALUE PROGRAM SYSTEM MANUAL  
(PROGRAM NUMBER: 5736-N11) (FEATURE CODE 8812)

LY20-0420 ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2  
POLICY EXHIBIT BALANCE PROGRAM SYSTEM MANUAL  
PROGRAM NUMBER 5736-N11

LY20-0421 ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2  
POLICY EXHIBIT AND VALUATION INCLUDE (R) AND CALL (S)  
ROUTINES SYSTEM MANUAL  
PROGRAM NUMBER 5736-N11

LY20-0415      ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2  
                   POLICY EXHIBIT UPDATE PROGRAM SYSTEM MANUAL  
                   PROGRAM NUMBER 5736-N11  
 LY20-0417      ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2  
                   POLICY MASTER RECORD FILE INVENTORY PROGRAM SYSTEM MANUAL  
                   (PROGRAM NUMBER: 5736-N11) (FEATURE CODE: 8811)  
 LY20-0419      ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2  
                   VALUATION SUMMARY PROGRAM SYSTEM MANUAL  
                   (PROGRAM NUMBER 5736-N11) (FEATURE CODE 8813)  
 LY20-0416      ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2  
                   VALUATION UPDATE PROGRAM SYSTEM MANUAL  
                   PROGRAM NUMBER 5736-N11  
 GH20-4337      ALPHA SEARCH (INQUIRY SYSTEM SPECIFICATIONS) - PROGRAM  
                   NUMBER 5736-N14  
 GH20-1188      ALPHA SEARCH INQUIRY SYSTEM, GENERAL INFORMATION MANUAL  
                   (PROGRAM NUMBER 5736-N14)  
 SH20-1406      ALPHA SEARCH INQUIRY SYSTEM OPERATIONS GUIDE  
 SH20-1405      ALPHA SEARCH INQUIRY SYSTEM PROGRAM REFERENCE MANUAL  
 LY20-0859      ALPHA SEARCH INQUIRY SYSTEM LOGIC MANUAL - PROGRAM PRODUCT  
                   5736-N14  
 \*\*GB21-0987     ALPHA SEARCH INQUIRY SYSTEM/IMS INTERFACE  
 \*\*SB21-0988     ALPHA SEARCH INQUIRY SYSTEM/IMS INTERFACE - FDP 5798-AWB  
                   DESCRIPTION/OPERATIONS  
 \*\*LB21-0989     ALPHA SEARCH INQUIRY SYSTEM/IMS INTERFACE - FDP 5798-AWB  
                   SYSTEMS GUIDE  
 G320-1409      CONSOLIDATED FUNCTIONS EQUITY PRODUCTS (CFEP) VARIABLE  
                   ANNUITIES, MUTUAL FUNDS - DATAMANN INC., ANNOUNCEMENT  
                   NOTICE INSTALLED USER - PROGRAM NUMBER 5796-AAP  
 SH20-1112      CONSOLIDATED FUNCTIONS EQUITY PRODUCTS VARIABLE ANNUITIES,  
                   MUTUAL FUNDS DATAMANN, INC. - SUBSIDIARY OF HORACE MANN  
                   EDUCATORS SPRINGFIELD, ILLINOIS  
                   PROGRAM DESCRIPTION/OPERATIONS MANUAL  
                   PROGRAM NUMBER 5796-AAP  
 LY20-0761      CONSOLIDATED FUNCTIONS EQUITY PRODUCTS VARIABLE ANNUITIES,  
                   MUTUAL FUNDS DATAMANN, INC. - SUBSIDIARY OF HORACE MANN  
                   EDUCATORS SPRINGFIELD, ILLINOIS - SYSTEMS GUIDE  
                   PROGRAM NUMBER 5796-AAP  
 GH20-4407      CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET  
                   TRANSLATOR (CATALIST) - FUNCTIONAL DESCRIPTION  
                   PROGRAM PRODUCT 5736-XX2  
 GH20-0813      CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET  
                   TRANSLATOR (CATALIST) APPLICATION DESCRIPTION MANUAL  
                   PROGRAM NUMBER 5736-XX2  
 SH20-0814      CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET  
                   TRANSLATOR (CATALIST) PROGRAM DESCRIPTION AND  
                   OPERATIONS MANUAL PROGRAM NUMBER 5736-XX2  
 GH20-4127      CONSOLIDATED FUNCTIONS ORDINARY II - CFO-II  
                   SPECIFICATIONS SHEETS - PROGRAM NUMBER 5736-N13  
 GH20-0883      CONSOLIDATED FUNCTIONS ORDINARY II (CFO II) SYSTEM,  
                   APPLICATION DESCRIPTION, PROGRAM NUMBER 5736-N13  
 SH20-1024      CONSOLIDATED FUNCTIONS ORDINARY II (CFO II)  
                   PROGRAM DESCRIPTION MANUAL - VOLUME I  
                   PROCESSING DESCRIPTION - PROGRAM NUMBER 5736-N13  
 SH20-0936      CONSOLIDATED FUNCTION ORDINARY SYSTEM II (CFO II) PROGRAM  
                   DESCRIPTION VOLUME II: POLICY MASTER RECORD CODE BOOK,  
                   PROG. NO. 5736-N13  
 SH20-0937      CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII)  
                   MISCELLANEOUS PROGRAM DATA, PROGRAM DESCRIPTION MANUAL  
                   VOLUME III - PROGRAM NUMBER 5736-N13  
 SH20-1017      CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII)  
                   UTILITY PROGRAM DESCRIPTION MANUAL  
                   PROGRAM NUMBER 5736-N13  
 SH20-1016      CONSOLIDATED FUNCTIONS ORDINARY II SYSTEM (CFOII)  
                   OPERATIONS MANUAL - PROGRAM NUMBER 5736-N13  
 LY20-0681      CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII)  
                   SYSTEM MANUAL - VOLUME I - PROGRAM NUMBER 5736-N13  
 LY20-0682      CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII),  
                   SYSTEM MANUAL - VOLUME II - PROGRAM NUMBER 5736-N13  
 LY20-0683      CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII),  
                   SYSTEM MANUAL - VOLUME III - PROGRAM NUMBER 5736-N13  
 LY20-0684      CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII),  
                   SYSTEM MANUAL - VOLUME IV - PROGRAM NUMBER 5736-N13  
 LY20-0685      CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII),  
                   SYSTEM MANUAL - VOLUME V - PROGRAM NUMBER 5736-N13  
 LY20-0686      CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII),  
                   SYSTEM MANUAL - VOLUME VI - PROGRAM NUMBER 5736-N13  
 LY20-0687      CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII),  
                   SYSTEM MANUAL - VOLUME VII - PROGRAM NUMBER 5736-N13  
 \*\*GB21-1044     CFO II - DL/I INTERFACE - FDP 5798-AXW - NOTICE

**\*\*SB21-1045** CFO II - DL/I INTERFACE - FDP 5798-AXW  
 DESCRIPTION/OPERATIONS  
**\*\*GH20-4261** LIFE INQUIRY/DATA ENTRY DESIGN OBJECTIVES  
 PROGRAM PRODUCT 5746-N11  
**GH20-0283** PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS):  
 APPLICATION DESCRIPTION, PROG. NOS. 5736-N21/22/24/25 AND  
 360A-IF-10X/11X/13X  
**GH20-0501** PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)  
 PROGRAM DESCRIPTION MANUAL  
 PROGRAM NUMBERS 360A-IF-10X, 360A-IF-11X, 360A-IF-13X,  
 5736-N21  
**GH20-0499** PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)  
 AUTOMOBILE PREMIUM PROCESSING PROGRAM DESCRIPTION AND  
 SYSTEM MANUAL PROGRAM NUMBERS: 360A-IF-11X, 5736-N21  
**LY20-0462** PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)  
 HOMEOWNERS CLAIMS PROCESSING PROGRAM DESCRIPTION AND  
 SYSTEM MANUAL  
 PROGRAM NUMBER 5736-N21 FEATURE CODE 8002  
**LY20-0461** PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)  
 HOMEOWNERS PREMIUM PROCESSING PROGRAM DESCRIPTION  
 AND SYSTEM MANUAL, PROG. NO. 5736-N21 FEATURE NO. 8001  
**GH20-4199** PALIS ADDITIONAL FILE FACILITY - PROGRAM NUMBER 5736-N22  
 PROGRAM PRODUCT DESIGN OBJECTIVES  
**GH20-4031** PALIS ADDITIONAL FILE FACILITY VERSION 1 MODIFICATION  
 LEVEL 1 SPECIFICATIONS - PROGRAM PRODUCT 5736-N22  
**LY20-0587** PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)  
 ADDITIONAL FILE FACILITY: SYSTEMS REFERENCE MANUAL,  
 PROGRAM NUMBER 5736-N22, FEATURE CODE 8007  
**GH20-4302** PALIS AUTOMOBILE ENHANCEMENT - SPECIFICATION SHEET  
 PROGRAM NUMBER 5736-N24  
**LY20-0788** PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)  
 AUTOMOBILE ENHANCEMENTS - PROGRAM NUMBER 5736-N24  
 SYSTEM REFERENCE MANUAL  
**GH20-1148** PROPERTY AND LIABILITY INFORMATION SYSTEM ENHANCEMENTS  
 PLANNING MANUAL - PROGRAM NUMBERS 5736-N24 AND 5736-N25  
**GH20-4307** PALIS HOMEOWNERS ENHANCEMENTS - PROGRAM NUMBER 5736-N25  
 PROGRAM PRODUCT SPECIFICATIONS  
**LY20-0800** PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) HOME  
 OWNERS ENHANCEMENTS - SYSTEM REFERENCE MANUAL  
 FEATURE NUMBER 8105 - PROGRAM NUMBER 5736-N25

72 Manufacturing (see also code 80)

**GB21-0432** ANALYTICAL PROCESSING TECHNIQUE (APT) UNDER CP-67/CMS  
 FDP AVAILABILITY NOTICE, PROG. NO. 5798-AGD  
**SB21-0433** APT UNDER CMS: FDP PROGRAM DESCRIPTION/OPERATIONS MANUAL,  
 PROG. NO. 5798-AGD  
**LB21-0434** APT UNDER CP/CMS - PROGRAM NUMBER 5798-AGD  
 FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE  
**GH20-4345** SYSTEM/370 AUTOMATICALLY PROGRAMMED TOOL, SPECIFICATIONS:  
 APT-BP (BASIC POSITIONING), PROG. 5740-M51  
 APT-IC (INTERMEDIATE CONTOURING), PROG. 5740-M52  
 APT-AC (ADVANCED CONTOURING), PROG. 5740-M53  
**\*\*SH20-1413** SYSTEM/370 APT - AC NUMERICAL CONTROL PROCESSOR  
 OPERATION GUIDE PROG. PROD. 5740-M53  
**\*\*SH20-1414** SYSTEM/360 APT-AC NUMERICAL CONTROL PROCESSOR PROGRAM  
 REFERENCE MANUAL VOL.I PROG. NO. 5740-M53  
**\*\*GH20-1423** SYSTEM/370 APT-AC NUMERICAL CONTROL PROCESSOR  
 PROGRAM NUMBER 5740 - M53  
 GENERAL INFORMATION MANUAL  
**\*\*LY20-0862** SYSTEM/370 APT-AC NUMERICAL CONTROL PROCESSOR LOGIC MANUAL  
 VOLUME 1 - PROG. NO. 5740-M53  
**\*\*GH20-4361** IBM SYSTEM/370 AUTOMATICALLY PROGRAMMED TOOL - BASIC  
 CONTOURING (APT-BC) SPECIFICATIONS PROG. PROD. 5746-XN1  
 (DOS/V5)  
**GH20-1233** SYSTEM/370 APT-BP NUMERICAL CONTROL PROCESSOR GENERAL  
 INFORMATION MANUAL - PROGRAM NUMBER 5740-M51  
**SH20-1420** SYSTEM/370 APT-BP OPERATIONS GUIDE - PROGRAM NUMBER 5740-M51  
**SH20-1419** SYSTEM/370 APT-BP NUMERICAL CONTROL PROCESSOR PROGRAM  
 REFERENCE MANUAL VOLUME I - PROGRAM NUMBER 5740-M51  
**SH19-5029** SYSTEM/370 APT-BP, SYSTEM/370 APT-IC, AND SYSTEM/370 APT-AC  
 NUMERICAL CONTROL PROCESSORS: PROGRAM REFERENCE MANUAL VOL.2  
 PROGRAM NOS. 5740-M51, M52, M53  
**SY20-0864** SYSTEM/370 APT-BP NUMERICAL CONTROL PROCESSOR LOGIC MANUAL  
 PROGRAM NUMBER 5740-M51  
**LY19-5034** SYSTEM/370 APT-BP SYSTEM/370 APT-IC SYSTEM/370 APT-AC  
 LOGIC MANUAL VOLUME 2 - PROG. PROJECT 5740-M51, M52, M53  
**\*\*GH20-1424** SYSTEM/370 APT-IC NUMERICAL CONTROL PROCESSOR GENERAL  
 INFORMATION MANUAL - PROG. NO. 5740-M52 (IC)  
**SH20-1416** SYSTEM/370 APT-IC NUMERICAL CONTROL PROCESSOR  
 OPERATIONS GUIDE - PROG. NO. 5740-M52  
**SH20-1417** SYSTEM/370 APT-IC NUMERICAL CONTROL PROCESSOR PROGRAM  
 REFERENCE MANUAL - VOLUME 1 PROG. NO. 5740-M52



**\*\*LY20-0863** S/370 APT-IC NUMERICAL CONTROL PROCESS LOGIC  
 MANUAL - PROGRAM NUMBER 5740-M52  
 GH20-1234 SYSTEM/370 APT-1C AND APT-AC NUMERICAL CONTROL PROCESSORS  
 GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5740-M52 (IC)  
 AND 5740-M53 (AC)  
 GH20-4112 OS CAPACITY PLANNING - FINITE LOADING  
 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M54  
 GH20-4111 OS CAPACITY PLANNING - INFINITE LOADING  
 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M53  
 SH20-0978 OS CAPACITY PLANNING - INFINITE LOADING,  
 OS CAPACITY PLANNING - FINITE LOADING, OPERATIONS MANUAL  
 PROGRAM NUMBERS 5734-M53 AND 5734-M54  
 GH20-4013 SYSTEM/360 CAPACITY PLANNING--FINITE LOADING: PROGRAM  
 PRODUCT SPECIFICATIONS, PROG. NO. 5736-M12  
 GH20-4014 SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING  
 PROGRAM PRODUCT SPEC'S PROG. NO. 5736-M11  
 GH20-0627 SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING  
 SYSTEM/360 CAPACITY PLANNING - FINITE LOADING  
 APPLICATION DESCRIPTION MANUAL  
 PROGRAM NUMBERS: 5736-M11 5736-M12  
 SH20-0796 SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING  
 SYSTEM/360 CAPACITY PLANNING - FINITE LOADING  
 PROGRAM DESCRIPTION MANUAL  
 PROGRAM NUMBERS 5736-M11, 5736-M12  
 SH20-0795 SYSTEM/360 CAPACITY PLANNING OPERATIONS MANUAL  
 PROGRAM PRODUCT 5736-M11, PROGRAM PRODUCT 5736-M12  
 LY20-0536 SYSTEM/360 CAPACITY PLANNING-FINITE LOADING SYSTEM MANUAL  
 PROGRAM NUMBER 5736-M12 FEATURE CODE 8022  
 LY20-0535 SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING  
 SYSTEM MANUAL PROGRAM NUMBER 5736-M11  
 FEATURE CODE 8021  
 G320-1524 CYCLE-TIME SIMULATOR SYSTEM AVAILABILITY NOTICE - IUP NUMBER  
 5796-PBG  
 SH20-1117 CYCLE-TIME SIMULATOR SYSTEM - PROGRAM DESCRIPTION/OPERATIONS  
 MANUAL - IUP NUMBER 5796-PBG  
 LY20-0763 CYCLE-TIME SIMULATOR SYSTEM SYSTEMS GUIDE  
 IUP NUMBER 5796-PBG  
 G320-8067 GENERALIZED CREATE/REORGANIZE UTILITY SYSTEM FOR S/370  
 EASTMAN KODAK - RELEASE NOTICE - IUP NUMBER 5796-ACZ  
 SH20-1324 GENERALIZED CREATE/REORGANIZE UTILITY SYSTEM FOR S/370  
 EASTMAN KODAK PDOM - IUP NUMBER 5796-ACZ  
 LY20-0923 GENERALIZED CREATE/REORGANIZE UTILITY SYSTEM FOR S/370  
 EASTMAN KODAK SYSTEMS GUIDE - IUP NUMBER 5796-ACZ  
 GB21-0975 INTERACTIVE PLOTTING POST PROCESSOR FOR APT UNDER CMS  
 AVAILABILITY NOTICE - FDP NUMBER 5798-ARX  
 SB21-0976 INTERACTIVE PLOTTING POST PROCESSOR FOR APT UNDER CMS  
 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATX  
 GH20-4008 OS/360 INVENTORY CONTROL PROGRAM NUMBER 5734-M52  
 SPECIFICATION SHEETS  
 SH20-0776 OS/360 INVENTORY CONTROL PROGRAM DESCRIPTION MANUAL  
 PROGRAM NUMBER 5734-M52  
 GH20-0752 OS/360 INVENTORY CONTROL APPLICATION DESCRIPTION MANUAL  
 (5734-M52)  
 SH20-0778 OS/360 INVENTORY CONTROL OPERATIONS MANUAL  
 PROGRAM NUMBER 5734-M52  
 LY20-0528 OS/360 INVENTORY CONTROL SYSTEM MANUAL  
 PROGRAM NUMBER 5736-M52 FEATURE CODE 8011  
 SH20-1470 SYSTEM/370 MDAP FOR THE 5275: PROG. PROD. 5740-XN2 (OS/V5)  
 REFERENCE MANUAL & OPERATIONS GUIDE  
 GH20-4351 MACHINING AND DISPLAY APPLICATION PROGRAM (MDAP)  
 SPECIFICATIONS PROGRAM PRODUCT 5740-XN2  
**\*\*LY20-2013** IBM SYSTEM/370 MACHINING AND DISPLAY APPLICATION PROGRAM  
 (MDAP) FOR IBM 5175 DIRECT NUMERICAL CONTROL STATION OS/V5  
 LOGIC MANUAL, PROG. NO. 5740-XN2  
 GH20-1293 IBM SYSTEM/370 MACHINING AND DISPLAY APPLICATION PROGRAM  
 (MDAP) FOR IBM 5275 DIRECT NUMERICAL CONTROL STATION:  
 GENERAL INFORMATION MANUAL, PROG. NOS. 5740-XN2 (OS) AND  
 5746-XN2 (DOS)  
 SH20-1471 MACHINE AND DISPLAY APPLICATION PROGRAM (MDAP) TERMINAL  
 USERS GUIDE PROGRAM NUMBERS 5740-XN2, 5746-XN2  
 GH20-4247 MACHINING AND DISPLAY APPLICATION PROGRAM (MDAP) DESIGN  
 OBJECTIVES - PROGRAM PRODUCT 5746-XN2  
**\*\*SH20-1492** SYSTEM/370 MACHINING & DISPLAY APPLICATION PROGRAM (MDAP)  
 FOR THE IBM 5275 DIRECT NUMERICAL CONTROL STATION  
 PROG. REFERENCE MANUAL & OPERATIONS GUIDE  
 PROG. NO. 5746-XN2 (DOS/V5)  
**\*\*GH20-4362** MACHINING & DISPLAY APPLICATION PROGRAM (MDAP)  
 SPECIFICATIONS - PROD. 5746-XN2  
**\*\*LY20-2014** IBM SYSTEM/370 MACHINING & DISPLAY APPLICATION PROGRAM  
 (MDAP) FOR IBM 5275 DIRECT NUMERICAL CONTROL STATION  
 LOGIC MANUAL - PROG. NOS. 5746-XN2 (DOS/V5)

G320-1526 IBM MULTIPLANT SOURCING ANNOUNCEMENT NOTICE - IUP NUMBER  
5796-PBL

SH20-1123 IBM MULTIPLANT SOURCING PROGRAM DESCRIPTION/OPERATIONS MANUAL  
IUP NUMBER 5796-PBL

LY20-0767 IBM MULTIPLANT SOURCING SYSTEM GUIDE - IUP NUMBER 5796-PBL

GB21-0996 PEGGED REQUIREMENTS/REQUIREMENTS PLANNING SYSTEM/360/370/DOS  
AVAILABILITY NOTICE - FDP NUMBER 5798-AWE

SB21-0997 PEGGED REQUIREMENTS/REQUIREMENTS PLANNING SYSTEM/360/370/DOS  
PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AWE

LB21-0998 PEGGED REQUIREMENTS/REQUIREMENTS PLANNING SYSTEM/360/370/DOS  
SYSTEMS GUIDE - FDP NUMBER 5798-AWE

GB21-0157 PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING  
AND EVALUATION (PICTURE) - DOS - FDP AVAILABILITY NOTICE,  
PROG. NO. 5798-ACL

SB21-0158 PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING  
AND EVALUATION - PROGRAM NUMBER 5798-ACL  
PROGRAM DESCRIPTION/OPERATIONS MANUAL

LB21-0159 PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING  
AND EVALUATION - SYSTEMS GUIDE - PROGRAM NUMBER 5798-ACL

GH20-4005 OS/360 REQUIREMENTS PLANNING PROGRAM PRODUCT SPECIFICATIONS  
PROGRAM NUMBER 5734-M51

GH20-4110 OS/360 REQUIREMENTS PLANNING SPECIAL FEATURE #6015  
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M51

GH20-0751 OS/360 REQUIREMENTS PLANNING -  
APPLICATION DESCRIPTION MANUAL  
PROGRAM NUMBER 5734-M51

SH20-0777 OS/360 REQUIREMENTS PLANNING PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBER 5734-M51

SH20-0782 OS/360 REQUIREMENTS PLANNING PROGRAM PRODUCT 5734-M51  
OPERATIONS MANUAL

LY20-0543 OS/360 REQUIREMENTS PLANNING SYSTEM MANUAL  
PROGRAM NUMBER 5734-M51

GH20-4133 OS REQUIREMENTS PLANNING EXTENSIONS - SPECIFICATIONS  
PROGRAMMING RPQ EA6264 - PROGRAM NUMBER 5799-AAV

SH20-1067 SYSTEM/360 OPERATING SYSTEM REQUIREMENTS PLANNING  
EXTENSIONS (PROGRAMMING RPQ EA6264) - PROGRAM DESCRIPTION  
AND OPERATIONS MANUAL - PROGRAM NUMBER 5799-AAV

LY20-0729 OS REQUIREMENTS PLANNING EXTENSIONS (PROGRAMMING RPQ  
EA6264) - SYSTEM MANUAL - PROG. NO. 5799-AAV

GH20-4012 SYSTEM/360 REQUIREMENTS PLANNING INTERFACE  
PROGRAM NUMBER 5736-M13

SH20-0790 SYSTEM/360 REQUIREMENTS PLANNING INTERFACE 5736-M13  
PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBER 5736-M13

SH20-0791 SYSTEM/360 REQUIREMENTS PLANNING INTERFACE (5736-M13)  
OPERATIONS MANUAL

LY20-0537 SYSTEM/360 REQUIREMENTS PLANNING INTERFACE SYSTEM MANUAL  
PROGRAM NUMBER 5736-M13

GH20-4113 OS SHOP FLOOR CONTROL, PROGRAM NUMBER 5734-M31  
PROGRAM PRODUCT SPECIFICATION SHEET

GH20-0753 SYSTEM/360 SHOP FLOOR CONTROL APPLICATION DESCRIPTION MANUAL  
PROGRAM NUMBER 5736-M31

SH20-0828 SHOP FLOOR CONTROL, PROGRAM NUMBERS 5736-M31 (DOS),  
5734-M31 (OS) - PROGRAM DESCRIPTION MANUAL

SH20-0986 OS SHOP FLOOR CONTROL OPERATIONS MANUAL  
PROGRAM NUMBER 5734-M31

SH20-0827 SYSTEM/360 SHOP FLOOR CONTROL 5736-M31 OPERATOR'S MANUAL

GH20-0754 SYSTEM/360 SHOP FLOOR CONTROL DATA BASE MANUAL  
PROGRAM NUMBER 5736-M31

\*\*GH20-4024 SHOP FLOOR CONTROL: PROGRAM PRODUCT SPEC'S PROG. # 5736-M31

LY20-0565 SYSTEM/360 SHOP FLOOR CONTROL 5736-M31 SYSTEM MANUAL

GH20-4135 3330/2305 APT SUPPORT PROGRAMMING RPQ WB5773  
PROGRAM NUMBER 5799-ACZ (PRPQ SPECIFICATIONS)

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G320-1520 SCRIPT/370 (5796-PAF) IS READY FOR SHIPMENT  
AVAILABILITY NOTICE

SH20-1114 SCRIPT/370 - PROGRAM DESCRIPTION/OPERATION MANUAL - IUP  
NUMBER 5796-PAF

LY20-0762 SCRIPT/370 SYSTEM GUIDE - IUP NUMBER 5796-PAF

\*\*GB21-9915 TERMTEXT FORMAT - IUP 5796-PBR, GENERAL INFORMATION

\*\*SH20-1372 TERMTEXT/FORMAT - IUP 5796-PBR - DESCRIPTION/OPERATIONS

\*\*SH20-1373 TERMTEXT/FORMAT - IUP 5796-PBR - SYSTEM INFORMATION

\*\*LY20-0940 TERMTEXT/FORMAT SYSTEM GUIDE - PROG. NO. 5796-PBR  
FEATURE NUMBER 8070

\*\*G320-1533 TERMTEXT/FORMAT - IUP 5796-PBR NOTICE

G320-1516 AN APL TEXT EDITOR AND COMPOSER 5796-PAC IS READY FOR  
SHIPMENT - AVAILABILITY NOTICE - PROGRAM NUMBER - 5796-PAC

SH20-1089 AN APL TEXT EDITOR AND COMPOSER - IUP 5796-PAC,  
DESCRIPTION/OPERATIONS

LY20-0743 AN APL (OS OR DOS) TEXT EDITOR AND COMPOSER: SYSTEM GUIDE  
PROG. NO. 5796-PAC, FEATURE NO. 8009

GE20-0324 SYSTEM/360 TEXT PROCESSOR -- EDIT/360, APPLICATION  
 DESCRIPTION MANUAL PROGRAM NUMBER 5736-K11  
 SH20-0712 SYSTEM/360 TEXT PROCESSOR - EDIT/360  
 PROGRAM DESCRIPTION MANUAL  
 PROGRAM NUMBER 5736-K11  
 SH20-0711 SYSTEM/360 TEXT PROCESSOR - EDIT/360 OPERATIONS MANUAL  
 PROGRAM NUMBER 5736-K11  
 LY20-0489 SYSTEM/360 TEXT PROCESSOR -- EDIT/360 (DOS)  
 SYSTEM MANUAL VOLUME I - FLOWCHART NARRATIVES  
 PROGRAM NUMBER 5736-K11  
 LY20-0490 SYSTEM/360 TEXT PROCESSOR -- EDIT/360 (DOS)  
 SYSTEM MANUAL VOLUME II - FLOWCHARTS PROGRAM NUMBER 5736-K11  
 \*\*GE20-0328 SYSTEM/360 TEXT PROCESSOR - PAGINATION/360  
 APPLICATION DESCRIPTION MANUAL  
 PROGRAM NUMBER 5736-K12  
 GH20-4037 SYSTEM/360 TEXT PROCESSOR PAGINATION/360  
 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-K12  
 SH20-0833 SYSTEM/360 TEXT PROCESSOR - PAGINATION/360  
 PROGRAM DESCRIPTION VOLUME 1  
 PROGRAM NUMBER 5736-K12  
 SH20-0834 SYSTEM/360 TEXT PROCESSOR - PAGINATION/360  
 PROGRAM DESCRIPTION VOLUME 2 - PROGRAM NUMBER 5736-K12  
 SH20-0835 SYSTEM/360 TEXT PROCESSOR-PAGINATION/360: PROGRAM  
 DESCRIPTION VOLUME 3, PROG. NO. 5736-K12  
 SH20-0836 SYSTEM/360 TEXT PROCESSOR - PAGINATION/360  
 OPERATIONS MANUAL PROGRAM NUMBER 5736-K12  
 LY20-0623 SYSTEM/360 TEXT PROCESSOR PAGINATION/360, SYSTEM MANUAL,  
 VOLUME I - FLOWCHART NARRATIVES - PROGRAM NUMBER 5736-K12,  
 FEATURE CODE 8010  
 LY20-0624 SYSTEM/360 TEXT PROCESSOR PAGINATION/360, SYSTEM MANUAL,  
 VOLUME II - FLOWCHARTS - PROGRAM NUMBER 5736-K12,  
 FEATURE CODE 8011

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GB21-1062 SYSTEM/370 SUPPORT FOR THE ECG SIGNAL ACQUISITION SYSTEM  
 FDP 5798-AXF, AXG - NOTICE  
 SB21-1063 SYSTEM/370 SUPPORT FOR THE ECG SIGNAL ACQUISITION SYSTEM  
 FDP'S 5798-AXF, 5798-AXG DESCRIPTION/OPERATIONS  
 LB21-1061 SYSTEM/370 SUPPORT FOR THE ECG SIGNAL ACQUISITION SYSTEM  
 FDP 5798-AXF - SYSTEMS GUIDE  
 GH20-4234 HEALTH CARE SUPPORT/ACCOUNTING SYSTEM DESIGN OBJECTIVES  
 PROGRAM NUMBER 5746-H14 - FEATURE 6001 OR 6002  
 GH20-1179 HEALTH CARE SUPPORT/ACCOUNTING SYSTEM & DATA COMMUNICATIONS:  
 GENERAL INFORMATION MANUAL, PROG. NO. 5746-H14 (DOS/VS)  
 \*\*SH20-1494 HEALTH CARE SUPPORT/ACCOUNTING SYSTEM PROGRAM REFERENCE  
 MANUAL - PROG. NO. 5746-H14  
 \*\*SH20-1501 HEALTH CARE SUPPORT/ACCOUNTING SYSTEM OPERATIONS GUIDE  
 PROG. NO. 5746-H14  
 \*\*GH20-4357 HEALTH CARE SUPPORT/ACCOUNTING SYSTEM  
 SPECIFICATIONS PROG. PROD. 5746-H14 FEATURE 6001 OR 6002  
 \*\*LY20-2018 HEALTH CARE SUPPORT/ACCOUNTING SYSTEM BASE PROGRAM -  
 LOGIC MANUAL PROGRAM NUMBER 5746-H14  
 \*\*LY20-2019 HEALTH CARE SUPPORT/ACCOUNTING SYSTEM VERSION 1 ACCOUNTING  
 APPLICATION FEATURE LOGIC MANUAL - PROG. PROD. 5746-H14  
 GB21-0935 HEALTH CARE SUPPORT/ADMISSIONS SYSTEM FOR SYSTEM/370:  
 AVAILABILITY NOTICE - FDP NUMBER 5798-ASZ  
 \*\*SB21-0936 HEALTH CARE SUPPORT/ADMISSIONS SYSTEM FOR SYSTEM/370 PROGRAM  
 DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ASZ  
 \*\*LB21-0937 HEALTH CARE SUPPORT/ADMISSIONS SYSTEM FOR SYSTEM/370  
 SYSTEMS GUIDE - FDP NUMBER 5798-ASZ  
 \*\*GH20-4263 PROGRAMMING RPQ #EEE063 HEALTH CARE SUPPORT/COORDINATOR  
 OF BENEFITS - DESIGN OBJECTIVES - PROGRAM 5799-AKK  
 \*\*SH20-1497 HEALTH CARE SUPPORT/DATA COMMUNICATIONS  
 PROG. NO. 5746-H13 - REFERENCE MANUAL  
 \*\*SH20-1507 HEALTH CARE SUPPORT/DATA COMMUNICATIONS PROGRAM OPERATIONS  
 GUIDE PROGRAM NUMBER 5746-H13  
 GH20-4233 HEALTH CARE SUPPORT/DATA COMMUNICATIONS PROGRAM DESIGN  
 OBJECTIVES - PROGRAM PRODUCT 5746-H13  
 \*\*GH20-4356 HEALTH CARE SUPPORT/DATA COMMUNICATIONS PROGRAM  
 SPECIFICATIONS - PROG. NO. 5746-H13  
 \*\*LY20-2016 HEALTH CARE SUPPORT/DATA COMMUNICATIONS PROGRESS LOGIC  
 MANUAL PROGRAM NUMBER 5746-H13  
 GH20-4333 IBM HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS  
 PROGRAM PPS - PROGRAM PRODUCTS 5734-H11 AND 5736-H15  
 GH20-1249 HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS GENERAL  
 INFORMATION MANUAL - PROGRAM NUMBERS 5734-H11 AND 5736-H15  
 GH20-1265 HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM  
 PHYSICIANS GUIDE - PROGRAM NUMBERS 5736-H15 AND 5734-H11  
 SH20-1276 SELF-STUDY IMPLEMENTATION COURSE FOR HEALTH CARE SUPPORT  
 ECG PROGRAM PRODUCT - PROG. NOS. 5734-H11 AND 5736-H15  
 SH20-1270 HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM  
 PROGRAM REFERENCE MANUAL AND OPERATIONS GUIDE  
 PROG. NOS. 5734-H11 (OS, OS/VS) AND 5736-H15 (DOS, DCS/VS)

LY20-0845 HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS  
 PROGRAM LOGIC MANUAL - PROG NOS. 5734-H11 (OS, OS/VS)  
 5736-H15 (DOS, DOS/VS)

GB21-1113 HEALTH CARE SUPPORT/HOSPITAL ORDER COMMUNICATIONS SYSTEM  
 FDP 5798-AYG NOTICE

SB21-1114 HEALTH CARE SUPPORT/HOSPITAL ORDER COMMUNICATIONS SYSTEM  
 FDP - 5798-AYG DESCRIPTION/OPERATIONS

LB21-1115 HEALTH CARE SUPPORT/HOSPITAL ORDER COMMUNICATIONS SYSTEM  
 FDP 5798-AYG - SYSTEMS GUIDE

GH20-1190 HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM: GENERAL  
 INFORMATION MANUAL, PROG. NO. 5746-H12 (DOS/VS)

\*\*SH20-1503 HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM REPORTING  
 PROGRAM REFERENCE MANUAL PROGRAM NUMBER 5746-H12

\*\*SH20-1504 HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM - REPORTIN  
 OPERATIONS GUIDE PROGRAM NUMBER 5746-H12

\*\*SH20-1505 HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM - REPORTIN  
 LABORATORY MANUAL PROGRAM NUMBER 5746-H12

GH20-4235 HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM DESIGN  
 OBJECTIVES - PROGRAM PRODUCT 5746-H12

\*\*GH20-4358 HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM  
 REPORTING - SPECIFICATIONS PROG. PROD. 5746-H12

\*\*LY20-2017 HEALTH CARE SUPPORT/LABORATORY INFORMATION  
 SYSTEM - REPORTING LOGIC MANUAL PROGRAM NUMBERS 5746-H12

GB21-0963 HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370  
 AVAILABILITY NOTICE - FDP NUMBER 5798-ATR

SB21-0964 HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370  
 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATR

LB21-0965 HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370  
 SYSTEMS GUIDE - FDP NUMBER 5798-ATR

GB21-1155 HEALTH CARE SUPPORT/PHARMACY INVENTORY & STOCK TRANSFER  
 SYSTEM - NOTICE 5798-AZJ

SB21-1156 HEALTH CARE SUPPORT/PHARMACY INVENTORY & STOCK TRANSFER  
 SYSTEM - DESCRIPTION/OPERATIONS FDP 5798-AZJ

SB21-1157 HEALTH CARE SUPPORT/PHARMACY INVENTORY & STOCK TRANSFER  
 SYSTEM - TERMINAL OPERATOR'S GUIDE FDP 5798-AZJ

LB21-1158 HEALTH CARE SUPPORT/PHARMACY INVENTORY & STOCK TRANSFER  
 SYSTEM FDP 5798-AZJ SYSTEMS GUIDE

GB21-1065 HEALTH CARE SUPPORT/PHARMACY ORDER ENTRY & ADMINISTRATIVE  
 SYSTEM - FDP 5798-AXQ, NOTICE

SB21-1066 HEALTH CARE SUPPORT/PHARMACY ORDER ENTRY & ADMINISTRATIVE  
 SYSTEM - DESCRIPTION/OPERATIONS - FDP 5798-AZQ

LB21-1067 HEALTH CARE SUPPORT/PHARMACY ORDER ENTRY & ADMINISTRATIVE  
 SYSTEM - SYSTEMS GUIDE - FDP 5798-AXQ

GH20-4412 MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2  
 FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-H11

GH20-0806 MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2  
 APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-H11

SH20-0808 MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) 5736-H11  
 PROGRAM DESCRIPTION MANUAL

SH20-0815 MEDICAL INFORMATION SYSTEMS PROGRAM (MISP)  
 VERSION TWO - APPLICATION FILE DESCRIPTION MANUAL  
 PROGRAM NUMBER 5736-H11

SH20-0807 MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2:  
 INSTALLATION AID MANUAL, PROG. NO. 5736-H11

SH20-0805 MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) PROGRAM 5736-H11  
 OPERATIONS MANUAL

SH20-0809 MEDICAL INFORMATION SYSTEM PROGRAM (MISP) 5736-H11  
 PROGRAMMER'S MANUAL

LY20-0561 MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2  
 SYSTEM MANUAL - PROGRAM PRODUCT 5736-H11 FEATURE CODE 8500

GH20-4416 SHAS COMPATIBLE TELEPROCESSING FUNCTIONAL DESCRIPTION  
 PROG. NO. 5736-H13

LY20-0480 SHAS COMPATIBLE TELEPROCESSING SUPPORT FOR 2780, 2740, AND  
 1050 TERMINALS SYSTEM REFERENCE MANUAL  
 PROGRAM PRODUCT 5736-H13, FEATURE CODE 8000

GX20-1788 CHARGE DESCRIPTION MASTER WORKSHEET  
 PROGRAM NUMBERS 5736-H13, 360A-UH-11X

GX20-1789 DOCTOR MASTER FILE - WORKSHEET  
 PROGRAM NUMBERS 360A-UH-11X, 5736-H13

GX20-1790 ROOM AND BED MASTER  
 PROG. NOS. 5736-H13, 360A-UH-11X

GB21-0229 SHAS PENDING INSURANCE CLAIMS ACCOUNTING PROGRAMS (DOS)  
 FDP AVAILABILITY NOTICE, PROG. NO. 5798-ADN

SB21-0230 SHAS PENDING INSURANCE CLAIMS - PROGRAM NUMBER 5798-ADN  
 PROGRAM DESCRIPTION/OPERATIONS MANUAL

LB21-0231 SHAS PENDING INSURANCE CLAIMS - PROGRAM NUMBERS 5798-ADN  
 FIELD DEVELOPED PROGRAM - SYSTEMS GUIDE

GH20-4021 SHARED LABRATORY INFORMATION SYSTEM (SLIS) PROGRAM  
 PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-H12

GH20-0709 SHARED LABORATORY INFORMATION SYSTEM (SLIS)  
 APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-H12

SH20-0780 SHARED LABORATORY INFORMATION SYSTEM (SLIS) 5736-H12  
 PROGRAM DESCRIPTION MANUAL

SH20-0781 SHARED LABORATORY INFORMATION SYSTEM (SLIS) (5736-H12)  
OPERATIONS MANUAL  
SH20-0769 SHARED LABORATORY INFORMATION SYSTEM (SLIS)  
LABORATORY MANUAL PROGRAM NUMBER 5736-H12  
GX20-1807 SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET  
PROGRAM NUMBER 5736-H12  
GX20-1808 SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET  
PROGRAM NUMBER 5736-H12  
GX20-1809 SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET  
PROGRAM NUMBER 5736-H12  
LY20-0655 SHARED LABORATORY INFORMATION SYSTEM (SLIS) SYSTEM MANUAL  
PROGRAM PRODUCT 5736-H12

#### 75 Process

GB21-1083 COLOR MATCHING (DYE SELECTION AND FORMULATION)  
FDP 5798-AXL, AXK, AXN, AXP - NOTICE  
SB21-1084 COLOR MATCHING (DYE SELECTION AND FORMULATION)  
FDP'S 5798-AXK, L, N, & P DESCRIPTION/OPERATIONS  
LB21-1085 COLOR MATCHING (DYE SELECTION AND FORMULATION)  
FDP 5798-AXL, AXK, AXN, AXP - SYSTEMS GUIDE  
G320-1522 MULTICOLUMN DISTILLATION PROGRAM - AVAILABILITY NOTICE  
IUP - 5796-PAH  
SH20-1314 MULTICOLUMN DISTILLATION PROGRAM - PROGRAM DESCRIPTION  
OPERATIONS MANUAL - IUP NUMBER 5796-PAH  
LY20-0778 MULTICOLUMN DISTILLATION PROGRAM SYSTEMS GUIDE - IUP NUMBER  
5796-PAH  
GB21-0031 PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370  
AVAILABILITY NOTICE - FDP #5798-AAL  
SB21-0032 PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370  
PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP #5798-AAL  
LB21-0033 PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370  
SYSTEMS GUIDE - FDP # 5798-AAL

#### 76 Public Utilities

GH20-4255 SYSTEM/370 ENERGY MANAGEMENT SYSTEM PROG. NO. 5740-U11  
DESIGN OBJECTIVES  
GH20-1496 SYSTEM/370 ENERGY MANAGEMENT SYSTEM GENERAL INFORMATION  
MANUAL PROGRAM NUMBER 5740-U11  
G320-1405 LOADFLOW PLOTTING SYSTEM VARIBUS CORPORATION  
ANNOUNCEMENT NOTICE - PROGRAM NUMBER 5796-AAF  
SH20-1101 LOADFLOW PLOTTING SYSTEM, VARIBUS CORP. A GULF STATES  
UTILITY COMPANY SUBSIDIARY - PROGRAM DESCRIPTION/OPERATIONS  
MANUAL - IUP NUMBER 5796-AAF  
LY20-0755 LOADFLOW PLOTTING SYSTEM, VARIBUS CORPORATION, A GULF STATES  
UTILITIES COMPANY SYSTEMS GUIDE - IUP NUMBER 5796-AAF  
GH20-4413 POWER SYSTEM PLANNING PROGRAM - FUNCTIONAL DESCRIPTION  
PROGRAM PRODUCT 5736-U12  
GH20-0532 SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR ELECTRIC UTILITY  
INDUSTRY WITH POWER FLOW OUTPUT & CAPACITY FEATURE  
& SHORT CIRCUIT R0 FEATURE: APPLICATION DESCRIPTION,  
PROGRAM NUMBER 5736-U12  
SH20-0675 SYSTEM/360 POWER SYSTEM PLANNING FOR THE ELECTRIC  
UTILITY INDUSTRY (OS) (5736-U12)  
SH20-0676 SYSTEM/360 POWER SYSTEM PLANNING FOR THE ELECTRIC  
UTILITY INDUSTRY (OS) (5736-U12), OPERATIONS MANUAL  
LY20-0555 SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE  
ELECTRIC UTILITY INDUSTRY  
ENGINEERING DATA MANAGEMENT SERVICES SYSTEM MANUAL -  
VOLUME I PROGRAM NUMBER 5736-U12 FEATURE CODE 8174  
LY20-0553 SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR  
ELECTRIC UTILITY INDUSTRY - SHORT CIRCUIT SYSTEM MANUAL  
VOLUME II PROG. NO. 5736-U12  
LY20-0546 SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE  
ELECTRI UTILITY INDUSTRY POWER FLOW SYSTEM MANUAL -  
VOLUME III  
PROGRAM NUMBER 5736-U12 FEATURE CODE 8172  
LY20-0554 SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE  
ELECTRIC UTILITY INDUSTRY TRANSIENT STABILITY  
SYSTEM MANUAL - VOLUME IV PROGRAM NUMBER  
5736-U12 FEATURE CODE 8173  
LY20-0693 SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC  
UTILITY INDUSTRY, POWER FLOW OUTPUT AND CAPACITY FEATURE  
SYSTEM MANUAL, VOLUME V - PROGRAM NUMBER (5736-U12)  
LY20-0726 SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC  
UTILITY INDUSTRY SHORT CIRCUIT R0 FEATURE - SYSTEM MANUAL  
VOLUME VI, FEATURE 8103 - PROGRAM NUMBER 5736-U12  
GB21-0043 PUBLIC UTILITY FINANCIAL PLANNING SYSTEM - FDP AVAILABILITY  
NOTICE - PROG. NO. 5798-AAQ  
SB21-0044 PUBLIC UTILITY FINANCIAL PLANNING SYSTEM - FIELD DEVELOPED  
PROGRAM - PROGRAM DESCRIPTION OPERATIONS MANUAL  
PROGRAM NUMBER 5798-AAQ

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GH20-4123 FARE QUOTE/TICKETING SPECIFICATION SHEET PROGRAM NUMBER 5736-T11

GH20-0873 FARE QUOTE/TICKETING APPLICATION DESCRIPTION MANUAL

SH20-0981 FARE QUOTE/TICKETING SYSTEM IMPLEMENTATION GUIDE, PROGRAM NUMBER 5736-T11

SH20-0979 FARE QUOTE/ISSUE TICKET USER'S GUIDE PROGRAM NUMBER 5736-T11

SH20-1081 FARE QUOTE/TICKETING STUDENT STUDY GUIDE PROGRAM NUMBER 5736-T11

LY20-0666 FARE QUOTE/TICKETING DATA/MACRO SPECIFICATION PROGRAM NUMBER 5736-T11

LY20-0663 FARE QUOTE/TICKETING FUNCTIONAL SPECIFICATION PROGRAM NUMBER 5736-T11

LY20-0664 FARE QUOTE/ISSUE TICKET PROGRAM AND PACKAGE SPECIFICATIONS PROGRAM NUMBER 5736-T11  
(SEE ALSO "TARIFF MAINTENANCE" PROG. NO. 5736-T11)

GH20-1134 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING) 5795-AAB (OS EQUIPMENT CONTROL) 5795-AAC (DOS MESSAGE SWITCHING) 5795-AAD (DOS EQUIPMENT CONTROL)

SH20-1136 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST), SYSTEM PROGRAMMER'S - REFERENCE MANUAL PROGRAM NUMBER 5795-AAA (OS MESSAGE SWITCHING)

SH20-1184 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) SYSTEM PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5795-AAB (OS EQUIPMENT CONTROL)

SH20-1166 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) SYSTEM PROGRAMMER'S REFERENCE MANUAL - PROGRAM PRODUCT 5795-AAC (DOS MESSAGE SWITCHING)

SH20-1183 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) SYSTEM PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5795-AAD - (DOS EQUIPMENT CONTROL)

GH20-1135 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAA (OS MESSAGE SWITCHING)

SH20-1185 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAB (OS EQUIPMENT CONTROL)

SH20-1167 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM PRODUCT 5795-AAC (DOS MESSAGE SWITCHING)

SH20-1195 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAD (DOS EQUIPMENT CONTROL)

SH20-1137 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) - TERMINAL OPERATOR'S MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING) 5795-AAC (DOS MESSAGE SWITCHING)

SH20-1187 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) TERMINAL OPERATOR'S MANUAL - PROGRAM NUMBERS 5795-AAB, AND 5795-AAD (OS AND DOS EQUIPMENT CONTROL)

GH20-1139 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) - FILE DESCRIPTION MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING)

SH20-1186 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) FILE DESCRIPTION MANUAL - PROGRAM NUMBERS 5795-AAB AND 5795-AAD (OS AND DOS EQUIPMENT CONTROL)

SH20-1169 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) FILE DESCRIPTION MANUAL - PROGRAM PRODUCT 5795-AAC (DOS MESSAGE SWITCHING)

LH20-1138 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) - PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING)

LH20-1168 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) PROG. NO. 5795-AAC, LOGIC (DOS MESSAGE SWITCHING)

LH20-1182 FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5795-AAB, AND 5795-AAD (OS AND DOS EQUIPMENT CONTROL)

G320-1518 FLIGHT DATA DISPLAY SYSTEM - IUP AVAILABILITY NOTICE PROGRAM NUMBER 5796-PAE

G320-1519 FLIGHT DATA DISPLAY SYSTEM, GENERAL INFORMATION MANUAL PROGRAM NUMBER 5796-PAE

SH20-1094 FLIGHT DATA DISPLAY SYSTEM INSTALLATION GUIDE PROGRAM NUMBER 5796-PAE

SH20-1095 FLIGHT DATA DISPLAY SYSTEM OPERATORS MANUAL PROGRAM NUMBER 5796-PAE

LY20-0751 FLIGHT DATA DISPLAY SYSTEM DATA/MACRO/FILE SPECIFICATIONS  
 IUP PROGRAM NO. 5796-PAE  
 LY20-0749 FLIGHT DATA DISPLAY SYSTEM FUNCTIONAL SPECIFICATIONS, IUP  
 PROG. NO. 5796-PAE  
 SH20-1096 FLIGHT DATA DISPLAY SYSTEM USERS GUIDE  
 PROGRAM NUMBER 5796-PAE  
 LY20-0750 FLIGHT DATA DISPLAY SYSTEM PACKAGE/PROGRAM SPECIFICATIONS  
 IUP PROGRAM NO. 5796-PAE  
 \*\*SH20-1343 FREIGHT BILL AUDIT AND RATING SYSTEM - IUP 5796-AEJ,  
 DESCRIPTION/OPERATION  
 \*\*LY20-0925 FREIGHT BILL AUDIT AND RATING SYSTEM - SYSTEMS GUIDE  
 PROG. NO. 5796-AEJ  
 \*\*LY20-0938 FREIGHT BILL AUDIT & RATING SYSTEM USERS GUIDE  
 PROG. NO. 5796-AEJ  
 \*\*G320-8071 FREIGHT BILL AUDIT AND RATING SYSTEM IUP 5796-AEJ,  
 RELEASE NOTICE  
 \*\*GH20-4258 FREIGHT AND EQUIPMENT REPORTING SYSTEM FOR TRANSPORTATION  
 VIRTUAL STORAGE (FERST/VS) OS/VS1 DESIGN OBJECTIVES  
 PROGRAM PRODUCTS 5795-AAK, AAH, AAF  
 \*\*GH20-1500 FREIGHT AND EQUIPMENT REPORTING SYSTEM FOR TRANSPORTATION/  
 VIRTUAL SYSTEM (FERST/VS) GENERAL INFORMATION MANUAL,  
 PROG. NOS. 5795-AAF MESSAGE SWITCHING (OS), 5795-AAG (DOS)  
 5795-AAH EQUIPMENT CONTROL (OS) 5795-AAJ (DOS)  
 5795-AAK FREIGHT BILLING (OS), 5795-AAL (DOS)  
 \*\*GH20-4260 FREIGHT AND EQUIPMENT REPORTING SYSTEM FOR TRANSPORTATION  
 VIRTUAL STORAGE (FERST/VS) DOS/VS DESIGN OBJECTIVES  
 PROGRAM PRODUCTS 5795-AAL, AAJ, AAG  
 GB21-0313 OS ROTABLE CONTROL PROGRAM - FIELD DEVELOPED PROGRAM  
 AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AFA  
 SB21-0314 OS ROTABLE CONTROL PROGRAM - FIELD DEVELOPED PROGRAM  
 DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AFA  
 LB21-0315 OS ROTABLE CONTROL PROGRAM - FIELD DEVELOPED PROGRAM  
 SYSTEMS GUIDE - PROGRAM NUMBER 5798-AFA  
 GB21-0316 DOS ROTABLE CONTROL PROGRAM - FDP AVAILABILITY NOTICE, PROG.  
 NO. 5798-AFC  
 SB21-0317 IBM DISK OPERATING SYSTEM/360 ROTABLE CONTROL PROGRAM  
 FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL  
 PROGRAM NUMBER 5798-AFC  
 LB21-0318 IBM DISK OPERATING SYSTEM/360 ROTABLE CONTROL PROGRAM  
 FIELD DEVELOPED PROGRAM SYSTEMS GUIDE  
 PROGRAM NUMBER 5798-AFC  
 SH20-0982 TARIFF MAINTENANCE  
 OPERATOR'S GUIDE, PROGRAM NUMBER 5736-T11  
 SH20-0980 TARIFF MAINTENANCE  
 USER'S GUIDE, PROGRAM NUMBER 5736-T11  
 LY20-0665 TARIFF MAINTENANCE PROGRAM AND PACKAGE SPECIFICATIONS  
 PROGRAM NUMBER 5736-T11  
 (SEE ALSO "FARE QUOTE/TICKETING" PROG. NO. 5736-T11)  
 GH20-0730 TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) AND TRAFFIC PROFILE  
 ANALYSIS SYSTEM (POINT-TO-POINT TARIFF ITEM SELECTION):  
 APPLICATION DESCRIPTION MANUAL, PROG. NOS. 5736-T21, -T22  
 GH20-4411 TARIFF PUBLISHING SYSTEM (BOUND TARIFFS)  
 FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-T21  
 SH20-0812 TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) PROGRAM DESCRIPTION  
 AND OPERATIONS MANUAL PROGRAM NUMBER 5736-T21  
 SH20-0792 TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) FORMAT AND  
 STANDARD CODES MANUAL PROGRAM NUMBER 5736-T21  
 SH20-0798 TARIFF PUBLISHING SYSTEM (BOUND TARIFFS)  
 DATA PREPARATION MANUAL 5736-T21  
 LY20-0559 TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) SYSTEM MANUAL  
 PROGRAM NUMBER 5736-T21, FEATURE CODE 8003  
 SH20-0811 TRAFFIC PROFILE ANALYSIS SYSTEM 5736-T22,  
 PROGRAM DESCRIPTION AND OPERATION MANUAL  
 LY20-0560 TRAFFIC PROFILE ANALYSIS SYSTEM SYSTEM MANUAL  
 PROGRAM NUMBER 5736-T22  
 GB21-0019 VEHICLE MAINTENANCE & COST ANALYSIS: S/360 MODELS 20, 25  
 & UP - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAG  
 SB21-0020 VEHICLE MAINTENANCE AND COST ANALYSIS, SYSTEM/360 MODELS 20,  
 25 AND UP: PROGRAM DESCRIPTION/OPERATIONS MANUAL, FDP PROG.  
 NO. 5798-AAG  
 LB21-0021 VEHICLE MAINTENANCE AND COST ANALYSIS, SYSTEM/360 MODELS 20,  
 25 AND UP: SYSTEMS GUIDE, FDP PROG. NO. 5798-AAG  
 GB21-9981 VEHICLE MAINTENANCE AND COST ANALYSIS SYSTEM - MARKETING  
 GUIDE - PROGRAM NUMBER 5798-AAG  
 GH20-4041 IBM VEHICLE SCHEDULEING PROGRAM - EXTENDED (OS)  
 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-XM5  
 GH19-2903 IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS)  
 SPECIFICATIONS - PROGRAM NUMBER 5736-XM3  
 GH20-4042 IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS)  
 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-XM3  
 GH19-2000 IBM VEHICLE SCHEDULING PROGRAM--EXTENDED  
 GENERAL INFORMATION MANUAL  
 PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)

SH19-2304 IBM VEHICLE SCHEDULING PROGRAM--EXTENDED  
(OS AND DOS) PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)

SH19-2607 IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (OS)  
OPERATIONS MANUAL, PROGRAM NUMBER 5734-XM5

SH19-2608 IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS)  
OPERATIONS MANUAL, PROGRAM NUMBER 5736-XM3

LY19-2001 IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (OS AND DOS)  
PROGRAM LOGIC MANUAL, VOLUME I, NARRATIVE  
PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)

LY19-2006 IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (OS AND DOS)  
PROGRAM LOGIC MANUAL, VOLUME II, FLOWCHARTS  
PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)

LYA9-2007 IBM VEHICLE SCHEDULING PROGRAM--EXTENDED  
(OS) PROGRAM LOGIC MANUAL, VOLUME III PROGRAM LISTINGS -  
MICROFICHE, PROGRAM NUMBER 5734-XM5

LYA9-2008 IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (DOS) PROGRAM  
LOGIC MANUAL, VOLUME III PROGRAM LISTINGS - MICROFICHE  
PROG. NO. 5736-XM3

GB21-0001 GENERALIZED VEHICLE SCHEDULING PROGRAM (VSP) NETWORK  
FOR LOS ANGELES; FIELD DEVELOPED PROGRAM  
AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AAA

SB21-0002 GENERALIZED VEHICLE SCHEDULING PROGRAM  
NETWORK FOR LOS ANGELES FIELD DEVELOPED PROGRAM  
DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AAA

LB21-0003 VEHICLE SCHEDULING PROGRAM  
GENERALIZED VSP NETWORK FOR LOS ANGELES, CALIFORNIA:  
FIELD DEVELOPED PROGRAM SYSTEMS GUIDE -  
PROGRAM NUMBER 5798-AAA

79 Cross-Industry (see also 80-83 for selections)

GH20-4244 ADVANCED TEXT MANAGEMENT SYSTEM DESIGN OBJECTIVES - PROGRAM  
PRODUCTS 5740-XX3 (ATMS/OS) AND 5746-XX4 (ATMS/DOS/VS)

GH20-1408 ADVANCED TEXT MANAGEMENT SYSTEM, OS AND DOS VERSIONS GENERAL  
INFORMATION ATMS/OS PROGRAM PRODUCT NUMBER 5740-XX3 ATMS/DOS  
PROGRAM PRODUCT NUMBER 5746-XX4

GH19-0057 AUTOFLOW FOR PL/I, COBOL, FORTRAN AND ASSEMBLER PROGRAM  
SPECIFICATIONS - PROGRAM PRODUCTS 5734-DC1 AND 5736-DC1

GH19-0058 AUTOFLOW COMPUTER DOCUMENTATION SYSTEM PROGRAM PRODUCT  
SPECIFICATIONS - PROGRAM NUMBER 5736-DC1

GH19-0044 AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370, GENERAL INFORMATION  
MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)

SH19-0047 AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 OPERATIONS GUIDE  
PROGRAM PRODUCT - PROGRAM PRODUCTS 5734-DC1 (OS) AND  
5736-DC1 (DOS)

SH19-0052 AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTALLATION  
GUIDE OS - PROGRAM PRODUCTS 5734-DC1

SH19-0045 AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTALLATION GUIDE  
DOS - PROGRAM PRODUCT 5736-DC1

SH19-0046 AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTRUCTOR'S GUIDE  
PROGRAM PRODUCT - PROGRAM PRODUCTS 5734-DC1 (OS) AND  
5736-DC1 (DOS)

SH19-0050 AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 ASSEMBLY SERIES  
REFERENCE MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND  
5736-DC1 (DOS)

SH19-0048 AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 COBOL SERIES  
REFERENCE MANUAL PROGRAM PRODUCT - PROGRAM PRODUCTS  
5734-DC1 (OS) AND 5736-DC1 (DOS)

SH19-0049 AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 FORTRAN SERIES  
REFERENCE MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND  
5736-DC1 (DOS)

SH19-0051 AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 PL/I SERIES REFERENCE  
MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)

SH20-1365 COMPUTER GENERATED CORRESPONDENCE, IUP 5796-AER,  
DESCRIPTION/OPERATION

\*\*G320-8094 COMPUTER GENERATED CORRESPONDENCE - IUP 5796-AER,  
RELEASE NOTICE

GB21-0938 DATA COMPRESSION/EXPANSION FOR S/360/370 AVAILABILITY NOTICE  
FDP NUMBER 5798-ATB

SB21-0939 DATA COMPRESSION/EXPANSION FOR S/360/370 PROGRAM  
DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATB

GB21-0638 DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360 AVAILABILITY  
NOTICE - FDP NUMBER 5798-AKS

GX20-1959 DATA EDITING AND FORMATTING AIDS FDP 5798-AKS  
REFERENCE FOLDER

SB21-0639 DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360 PROGRAM  
DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AKS

LB21-0640 DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360 SYSTEMS  
GUIDE - FDP NUMBER 5798-AKS

GB21-9945 DATA EDITING AND FORMATTING AIDS FOR S/360/370 REFERENCE  
CARD - FDP NUMBER 5798-AKS



GH19-1008 SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT)  
FOR COBOL AND PL/1 5734-XR2

SH19-1009 SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT)  
FOR COBOL AND PL/I PROGRAM DESCRIPTION MANUAL - PROGRAM  
PRODUCT 5734-XR2

SH19-1010 SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT)  
FOR COBOL AND PL/I OPERATION MANUAL - PROGRAM NUMBER  
5734-XR2

LY19-1004 SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR  
(DECTAT) FOR COBOL AND PL/I, SYSTEM MANUAL  
PROGRAM NUMBER 5734-XR2

LY20-0820 INTERACTIVE TRAINING SYSTEM LOGIC MANUAL  
VOLUME 2: FLOWCHARTS - PROG. NO. 5734-XXC

GH20-4314 INTERACTIVE TRAINING SYSTEM: COURSE STRUCTURING FEATURE AND  
EXPANDED COURSE STRUCTURING FEATURE, PROGRAM PRODUCT  
5734-XXC SPECIFICATIONS

GH20-1170 INTERACTIVE TRAINING SYSTEM - GENERAL INFORMATION MANUAL  
PROGRAM NUMBER 5734-XXC

SH20-1216 INTERACTIVE TRAINING SYSTEM PROGRAM REFERENCE MANUAL  
PROGRAM NUMBER 5734-XXC

SH20-1214 INTERACTIVE TRAINING SYSTEM OPERATIONS GUIDE - PROGRAM  
NUMBER 5734-XXC

SH20-1215 INTERACTIVE TRAINING SYSTEM TERMINAL USER'S GUIDE - PROGRAM  
NUMBER 5734-XXC

SH20-1213 INTERACTIVE TRAINING SYSTEM COURSE AUTHORING  
GUIDE - PROGRAM NUMBER 5734-XXC

SH20-1472 INTERACTIVE TRAINING SYSTEM COURSE AUTHORING GUIDE  
EXPANDED COURSE STRUCTURING FEATURE

SH20-1217 INTERACTIVE TRAINING SYSTEM SUPERVISOR'S GUIDE - PROGRAM  
NUMBER 5734-XXC

LY20-0819 INTERACTIVE TRAINING SYSTEM LOGIC MANUAL VOLUME 1 (BASIC)

LY20-0821 INTERACTIVE TRAINING SYSTEM COURSE STRUCTURING FEATURE  
LOGIC MANUAL

LY20-2009 INTERACTIVE TRAINING SYSTEM EXPANDED COURSE STRUCTURING  
FEATURE LOGIC MANUAL PROGRAM NUMBER 5734-XXC

LYB0-0824 INTERACTIVE TRAINING SYSTEM MICROFICHE LISTINGS - PROGRAM  
NUMBER 5734-XXC

\*\*GB21-1367 INTERACTIVE TRAINING SYSTEM/TCAM INTERFACE (5798-BDP)  
FDP 5798-BDP, NOTICE

\*\*SB21-1368 INTERACTIVE TRAINING SYSTEM/TCAM INTERFACE FDP 5798-BDP  
DESCRIPTION/OPERATIONS

\*\*LB21-1369 INTERACTIVE TRAINING SYSTEM/TCAM INTERFACE FDP 5798-BDP  
SYSTEMS GUIDE

GX20-1885 INTERACTIVE TRAINING SYSTEM SESSION INTRODUCTION WORKSHEET

GX20-1884 INTERACTIVE TRAINING SYSTEM QUESTION WORKSHEET FORM 1 - PAD  
PROGRAM NUMBER 5734-XXC

GX20-1883 INTERACTIVE TRAINING SYSTEM TRUE - FALSE WORKSHEET FORM 2  
PAD - PROGRAM NUMBER 5734-XXC

GX20-1882 INTERACTIVE TRAINING SYSTEM MULTIPLE ANSWER FORM 3 - PAD

GX20-1881 INTERACTIVE TRAINING SYSTEM MATCHING QUESTION WORKSHEET  
FORM 4 - PAD - PROGRAM NUMBER 5734-XXC

GX20-1880 INTERACTIVE TRAINING SYSTEM TEXT WORKSHEET FORM 5 PAD  
PROGRAM NUMBER 5734-XXC

GX20-1879 INTERACTIVE TRAINING SYSTEM TEST QUESTION WORKSHEET FORM 6  
PAD - PROGRAM NUMBER 5734-XXC

GX20-1943 INTERACTIVE TRAINING SYSTEM COMMON MESSAGE TO  
GO TO WORKSHEET

GX20-1949 INTERACTIVE TRAINING SYSTEM FIELD ANALYSIS WORKSHEET

GX20-1942 INTERACTIVE TRAINING SYSTEM FRAMEWORK - WORKSHEET

GX20-1944 INTERACTIVE TRAINING SYSTEM GLOSSARY DEFINITION WORKSHEET

GX20-1947 INTERACTIVE TRAINING SYSTEM MATCHING QUESTION WORKSHEET

GX20-1946 INTERACTIVE TRAINING SYSTEM QUESTION WORKSHEET

GX20-1950 INTERACTIVE TRAINING SYSTEM SCREEN SUMMARY WORKSHEET

GX20-1945 INTERACTIVE TRAINING SYSTEM TEXT DISPLAY WORKSHEET

GX20-1948 INTERACTIVE TRAINING SYSTEM TRUE-FALSE QUESTION WORKSHEET

GH20-4007 LEARN ATS-OS: PROGRAM PRODUCT SPEC., PROG. NO. 5734-XX8  
PROGRAM NUMBER 5734-XX8

GH20-0745 SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM  
APPLICATION DESCRIPTION MANUAL (PROGRAM NO. 5734-XX8)

SH20-0766 IBM SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM  
PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-XX8

\*\*GH20-4425 SYSTEM/360 LEARN ATS-OS FUNCTIONAL DESCRIPTION  
PROG. PROD. 5734-XX8

LY20-0509 IBM SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM  
SYSTEM MANUAL PROGRAM NUMBER 5734-XX8 FEATURE CODE 8053

SH20-0768 IBM SYSTEM/360 LEARN ATS WORKBOOK  
PROGRAM NUMBERS 5734-XX8, 5736-XX3

GH20-4006 LEARN ATS-DOS: PROGRAM PRODUCT SPEC., PROG. NO. 5736-XX3  
PROGRAM NUMBER 5736-XX3

GH20-0746 SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM  
APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX3

SH20-0767 IBM SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM  
PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX3

\*\*GH20-4426 SYSTEM/360 LEARN ATS-DOS, FUNCTIONAL DESCRIPTION  
 PROG. PROD. 5736-XX3

LY20-0510 IBM SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM  
 SYSTEM MANUAL PROGRAM NUMBER 5736-XX3 FEATURE CODE 8054

GB21-0541 LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES FDP  
 AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AJK

SB21-0542 LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES PROGRAM  
 DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AJK

LB21-0543 LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES SYSTEMS  
 GUIDE - FDP NUMBER 5798-AJK

GH20-4340 S/360 - S/370 PURCHASING SPECIFICATIONS - PROGRAM PRODUCTS  
 5736-XX5 (DOS) AND 5734-XXA (OS)

GH20-1149 PURCHASING GENERAL INFORMATION MANUAL - PROGRAM NUMBERS  
 5736-XX5 (DOS), 5734-XXA (OS)

SH20-1410 PURCHASING, OPERATIONS GUIDE (OS) - PROGRAM NUMBER 5734-XXA

SH20-1409 PURCHASING PROGRAM REFERENCE MANUAL - PROGRAM PRODUCTS  
 5736-XX5 AND 5734-XXA

SH20-1412 PURCHASING, OPERATIONS GUIDE (DOS) PROGRAM NO. 5736-XX5

GH20-1493 A GUIDE TO AN ONLINE PURCHASING SYSTEM

GH20-4312 STORAGE AND INFORMATION RETRIEVAL SYSTEM SPECIFICATION  
 SHEET (STAIRS) - PROGRAM NUMBER 5734-XR3

SH12-5407 IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION  
 RETRIEVAL SYSTEM (STAIRS), PROGRAM PRODUCT REFERENCE  
 MANUAL - PROGRAM NUMBER 5734-XR3

SH12-5509 IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION  
 RETRIEVAL SYSTEM (STAIRS), OPERATION GUIDE  
 PROGRAM PRODUCT 5734-XR3

LY12-5008 IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION  
 RETRIEVAL SYSTEM (STAIRS), PROGRAM LOGIC MANUAL VOL. I  
 NARRATIVES - PROGRAM PRODUCT 5734-XR3

LY12-5013 SYSTEM/360/370 STAIRS: PLM VOLUME II (FLOWCHARTS) - PROGRAM  
 NUMBER 5734-XR3

GH20-4245 IBM SYSTEM/370 (OS/VIS) STORAGE AND INFORMATION RETRIEVAL  
 SYSTEM/VIRTUAL STORAGE (STAIRS/VIS)  
 PROGRAM PRODUCT 5740-XR1 - SPECIFICATION SHEET

GH19-1028 SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES  
 STAF/OS - GENERAL INFORMATION MANUAL - PROGRAM  
 PRODUCT 5734-XA2

SH19-1030 STAF/OS PROGRAM REFERENCE MANUAL  
 PROGRAM NUMBER 5734-XA2

SH19-1031 IBM SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES  
 (STAF/OS) OPERATIONS GUIDE - PROGRAM PRODUCT 5734-XA2

LY19-1007 SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES  
 (STAF/OS) LOGIC MANUAL - PROGRAM NUMBER 5734-XXB

GB21-0450 DOS TIME ACCOUNTING AND BILLING - FDP AVAILABILITY NOTICE,  
 PROG. NO. 5798-AHB

SB21-0451 DOS TIME ACCOUNTING AND BILLING - FIELD DEVELOPED PROGRAM  
 DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AHB

LB21-0452 DOS TIME ACCOUNTING AND BILLING - FIELD DEVELOPED  
 PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER 5798-AHB

GB21-1110 VM/370 CONTROL AND ACCOUNTING PROGRAMS - FDP 5798-AYP  
 NOTICE

SB21-1111 VM/370 CONTROL AND ACCOUNTING PROGRAMS - FDP 5798-AYP  
 DESCRIPTION/OPERATIONS

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G320-1523 DBPROTOTYPE (5796-PBB), IMSMAP (5796-PBC), PLIMS (5796-PBF),  
 BTS (5796-PBD), TEST IMS UTILITIES (5796-PBE) ARE NOW READY  
 FOR SHIPMENT AVAILABILITY NOTICE

SH20-1306 BTS (BATCH TERMINAL SIMULATOR) PROGRAM  
 DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBD

LY20-0774 BTS (BATCH TERMINAL SIMULATOR) SYSTEMS GUIDE - IUP NUMBER  
 5796-PBD

G320-1529 3270 FORMATTING FEATURE FOR BATCH TERMINAL SIMULATOR  
 IUP 5796-PBD - NOTICE

SH20-1360 3270 FORMATTING FEATURE FOR BATCH TERMINAL SIMULATOR (BTS)  
 IUP 5796-PBD DESCRIPTION/OPERATIONS

LY20-0931 3270 FORMATTING FEATURE FOR BTS, IUP 5796-PBD, SYSTEM  
 GUIDE (FEATURE 8073)

GH20-4141 BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE  
 PROGRAM NUMBER 5734-XX9

GH20-0961 BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE,  
 APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XX9

SH20-1075 BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE  
 PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XX9

SH20-1076 BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE, OPERATIONS  
 MANUAL - PROGRAM NUMBER 5734-XX9

LY20-0733 BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE, SYSTEM MANUAL  
 PROGRAM NUMBER 5734-XX9

\*\*GB21-1225 BOMP/DBOMP EMULATION INTERFACE TO THE BILL PROCESSOR SYSTEMS  
 IMS/360 BRIDGE - 5798-BAQ

**\*\*SB21-1226** BOMP/DBOMP EMULATION INTERFACE TO THE BILL PROCESSOR SYSTEM  
 IMS/369 BRIDGE - FDP 5798-BAQ DESCRIPTION/OPERATIONS  
 GB21-1104 COBIMS - FDP 5798-AYK - AVAILABILITY NOTICE  
 SB21-1105 COBIMS - FDP 5798-AYK - DESCRIPTION/OPERATIONS  
 LB21-1106 COBIMS - FDP 5798-AYK - SYSTEMS GUIDE  
 GH20-4028 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR  
 PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-XX4  
 GH20-0771 SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR  
 APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX4  
 SH20-0829 SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR  
 5736-XX4 PROGRAM DESCRIPTION MANUAL  
 SH20-0830 SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR  
 5736-XX4 OPERATIONS MANUAL  
 LY20-0566 IBM SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE  
 PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 5736-XX4  
**\*\*SH20-1268** CICS FEATURE OF DBOMP: PROGRAM REFERENCE AND OPERATIONS  
 MANUAL, PROG. NO. 5736-XX4  
 GH20-4328 CICS FEATURE OF DATA BASE ORGANIZATION AND MAINTENANCE  
 PROCESSOR SPECIFICATIONS - PROGRAM PRODUCT 5736-XX4  
 G320-1521 DATA DICTIONARY/DIRECTORY WITH CMIS DATA ELEMENT GLOSSARY  
 (5796-PAG) IUP AVAILABILITY NOTICE - PROGRAM NUMBER 5796-PAG  
 SH20-1105 DATA DICTIONARY/DIRECTORY SYSTEM, WITH CMIS DATA ELEMENT  
 GLOSSARY - PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP  
 NUMBER 5796-PAG  
 LY20-0758 DATA DICTIONARY/DIRECTORY SYSTEM WITH DATA ELEMENT GLOSSARY  
 SYSTEM GUIDE - IUP NUMBER 5796-PAG  
**\*\*SH12-5411** DL/1 DOS/VS APPLICATION PROGRAMMING REFERENCE MANUAL  
 PROGRAM PRODUCT 5746-XX1  
**\*\*SH12-5412** DL/1 DOS/VS UTILITIES AND GUIDE FOR THE SYSTEM PROGRAMMER  
 PROGRAM PRODUCT 5746-XX1  
**\*\*SH12-5414** DL/1 DOS/VS OPERATOR'S REFERENCE MANUAL AND MESSAGES  
 AND CODES, PROG. PROD. 5746-XX1  
 GH20-1246 DATA LANGUAGE/I DISK OPERATING SYSTEM/VIRTUAL STORAGE  
 (DL/I DOS/VS) GENERAL INFORMATION MANUAL - PROGRAM NUMBER  
 5746-XX1  
 GH20-4350 DL/I DOS/VS, PROG. PROD. 5746-XX1 SPECIFICATIONS, VERSION 1  
 MODIFICATION LEVEL 0  
**\*\*LYB0-0839** DATA LANGUAGE/I DOS/VS LISTING - PROG. NO. 5746-XX1  
**\*\*LY12-5016** DATA LANGUAGE/1 DISK OPERATING SYSTEM/VIRTUAL  
 STORAGE (DL/1 DOS/VS) LOGIC MANUAL - PROGRAM  
 PRODUCT 5746-XX1  
  
 GH20-1272 DATA BASE DESIGN EVALUATION (DBPROTOTYPE) GENERAL  
 INFORMATION MANUAL - IUP NUMBER 5796-PBB  
 SH20-1303 DBPROTOTYPE PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP  
 NUMBER 5796-PBB  
 LY20-0771 DATA BASE DESIGN EVALUATION (DBPROTOTYPE) PROGRAM SYSTEM  
 GUIDE - IUP NUMBER 5796-PBB  
 SH20-1368 DATA COMMUNICATION ANALYZER (DCANALYZER) IUP 5796-PCA  
 DESCRIPTION/OPERATIONS  
 LY20-0937 DATA COMMUNICATIONS ANALYZER (DCANALYZER)  
 PROGRAM NUMBER 5796-PCA  
**\*\*G320-1532** DATA COMMUNICATIONS ANALYZER IUP 5796-PCA, NOTICE  
 GH20-0574 SYSTEM/360 GENERALIZED INFORMATION SYSTEM APPLICATION  
 DESCRIPTION MANUAL (5736-CX1)  
 GH20-0521 SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC)  
 APPLICATION DESCRIPTION MANUAL  
 PROGRAM NUMBER 5736-CX1  
 SH20-0630 SYSTEM/360 GENERALIZED INFORMATION SYSTEM  
 PROGRAM DESCRIPTION MANUAL VOLUME 1:  
 SYSTEM OVERVIEW AND CONTROL (5736-CX1)  
 SH20-0622 SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) PROGRAM  
 DESCRIPTION MANUAL VOLUME 1: SYSTEM OVERVIEW AND CONTROL  
 (5736-CX1)  
 SH20-0623 SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) AND  
 SYSTEM/360 GENERALIZED INFORMATION SYSTEM PROGRAM  
 DESCRIPTION MANUAL VOLUME II: DATA DESCRIPTION  
 LANGUAGE (5736-CX1)  
 SH20-0736 SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM/360  
 GENERALIZED INFORMATION SYSTEM PROGRAM DESCRIPTION MANUAL  
 VOLUME III: PROCEDURAL LANGUAGE  
 PROGRAM NUMBER 5736-CX1  
 SH20-0632 SYSTEM/360 GENERALIZED INFORMATION SYSTEM OPERATIONS MANUAL  
 (5736-CX1)  
 SH20-0625 SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) OPERATIONS  
 MANUAL (5736-CX1)  
 LY20-0425 SYSTEM/360 GENERALIZED INFORMATION SYSTEM  
 SYSTEM MANUAL VOLUME 1  
 PROGRAM NUMBER 5736-CX1 FEATURE CODE 8802  
 LY20-0422 SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC)  
 SYSTEM MANUAL VOLUME 1  
 PROGRAM NUMBER 5736-CX1 FEATURE CODE 8801

LY20-0423 SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM/360  
GENERALIZED INFORMATION SYSTEM SYSTEM MANUAL VOLUME II  
PROGRAM NUMBER 5736-CX1 FEATURE CODE 8803

\*\*LY20-0424 SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM  
MANUAL VOLUME III PROGRAM NUMBER 5736-CX1

GH20-4170 GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2)  
DESIGN OBJECTIVES - PROGRAM NUMBER 5734-XX1

GH20-4124 GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2)  
SPECIFICATIONS SHEET PROGRAM NUMBER 5734-XX1

GH20-0892 IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)  
APPLICATION DESCRIPTION, PROG. NO. 5734-XX1

GH20-9033 GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2) EXECUTIVE  
QUERY REFERENCE (BASIC INTRODUCTION), PROG. NO. 5734-XX1

SH20-1030 IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)  
PROGRAM DESCRIPTION MANUAL, VOLUME 1: SYSTEM OVERVIEW  
AND CONTROL - PROGRAM PRODUCT MANUAL  
PROGRAM NUMBER 5734-XX1

SH20-1040 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) VOLUME 2:  
DATA DESCRIPTION LANGUAGE - PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBER 5734-XX1

SH20-1033 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)  
VOLUME 3, PROCEDURAL LANGUAGE - PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBER 5734-XX1

SH20-1032 IBM GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2)  
OPERATIONS MANUAL - PROGRAM NUMBER 5734-XX1

LY20-0696 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM  
MANUAL VOLUME 1 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER  
8115

LY20-0697 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM  
MANUAL VOLUME 2 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER  
8116

LY20-0698 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM  
MANUAL VOLUME 3 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER  
8117

LY20-0699 IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM  
MANUAL SUPPLEMENT FOR THE ARITHMETIC STATEMENT FEATURE  
PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8125

LYB0-0865 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) ARITHMETIC  
STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1

LYB0-0864 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) BASIC  
RETRIEVAL SYSTEM MICROFICHE - PROGRAM NUMBER 5734-XX1

LY20-0701 IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM  
MANUAL SUPPLEMENT FOR THE CONTROL STATEMENT FEATURE PROGRAM  
NUMBER 5734-XX1 FEATURE NUMBER 8124

LYB0-0867 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) CONTROL  
STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1

LYB0-0875 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) DATA  
LANGUAGE/1 QUERY SUPPORT FEATURE MICROFICHE - PROGRAM  
NUMBER 5734-XX1

LY20-0707 IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM  
MANUAL SUPPLEMENT FOR THE EDIT AND ENCODE FEATURE PROGRAM  
NUMBER 5734-XX1 FEATURE NUMBER 8122

LYB0-0873 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) EDIT AND  
ENCODE FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1

LYB0-0876 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) EXTENDED  
MULTI-FILE SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER  
5734-XX1

LY20-0708 IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM  
MANUAL SUPPLEMENT FOR THE FILE MODIFY FEATURE PROGRAM  
NUMBER 5734-XX1 FEATURE NUMBER 8127

LYB0-0874 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) FILE MODIFY  
FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1

LY20-0705 IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM  
MANUAL SUPPLEMENT FOR THE FILE UPDATE AND CREATE FEATURE  
PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8118

LYB0-0871 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) UPDATE AND  
CREATE FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1

LY20-0703 IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM  
MANUAL SUPPLEMENT FOR THE FORMAL REPORT FEATURE PROGRAM  
NUMBER 5734-XX1 FEATURE NUMBER 8119

LYB0-0869 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) FORMAL  
REPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1

LY20-0704 IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM  
MANUAL SUPPLEMENT FOR THE HIERARCHIC FILE SUPPORT FEATURE  
PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8120

LYB0-0870 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)  
HIERARCHICAL FILE SUPPORT FEATURE MICROFICHE - PROGRAM  
NUMBER 5734-XX1

SH20-1177 PLANNING GUIDE FOR THE PL/1 QUERY SUPPORT FEATURE OF  
GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)  
PROGRAM NUMBER 5734-XX1

LY20-0809 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM  
MANUAL SUPPLEMENT FOR THE PL/1 QUERY SUPPORT FEATURE  
PROGRAM NUMBER 5734-XX1

LY20-0702 IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM  
 MANUAL SUPPLEMENT FOR THE PROCESSING STATEMENT FEATURE  
 PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8126  
 LYB0-0868 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) PROCESSING  
 STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1  
 LY20-0700 IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM  
 MANUAL SUPPLEMENT FOR THE TELEPROCESSING SUPPORT FEATURE  
 PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8123  
 LYB0-0866 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)  
 TELEPROCESSING SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER  
 5734-XX1  
 LY20-0706 IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM  
 MANUAL SUPPLEMENT FOR THE UTILITY FEATURE PROGRAM NUMBER  
 5734-XX1 FEATURE NUMBER 8121  
 LYB0-0872 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) UTILITY  
 FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1  
 GH20-4252 GENERALIZED INFORMATION SYSTEM VIRTUAL STORAGE (GIS/VS)  
 PROGRAM NUMBER 5740-XX7 - DESIGN OBJECTIVES  
 GH20-9035 GENERALIZED INFORMATION SYSTEM VIRTUAL STORAGE (GIS/VS)  
 GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5740-XX7  
 \*\*GH20-9043 GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)  
 EXECUTIVE QUERY REFERENCE MANUAL  
 GH20-0524 INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360  
 (SYSTEM DESCRIPTION) APPLICATION DESCRIPTION MANUAL  
 PROGRAM NUMBER 5736-CX3  
 SH20-0634 INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360  
 PROGRAM DESCRIPTION MANUAL  
 PROGRAM NUMBER 5736-CX3  
 SH20-0635 INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360:  
 OPERATIONS MANUAL, VOLUME I - SYSTEMS OPERATION  
 PROGRAM NUMBER 5736-CX3  
 SH20-0636 INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360  
 OPERATIONS MANUAL VOLUME II - MACHINE OPERATIONS  
 PROGRAM NUMBER 5736-CX3  
 LY20-0431 INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360  
 SYSTEM MANUAL VOLUME I - PROGRAM LOGIC  
 PROGRAM NUMBER 5736-CX3 FEATURE CODE 8801  
 LY20-0432 INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360  
 SYSTEM MANUAL VOLUME II - FLOWCHARTS  
 PROGRAM NUMBER 5736-CX3 FEATURE CODE 8802  
 LYB0-0433 INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360:  
 SYSTEM MANUAL, VOLUME III - ASSEMBLY LISTINGS MICROFICHE  
 PROGRAM NUMBER 5736-CX3, FEATURE CODE 8003  
 GH20-4106 INFORMATION MANAGEMENT SYSTEM/360 (IMS/360) VERSION 2  
 SPECIFICATIONS - PROGRAM PRODUCT 5734-XX6  
 GH20-0765 INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360  
 (SYSTEM DESCRIPTION) APPLICATION DESCRIPTION MANUAL  
 (VERSION 2) PROGRAM NUMBER 5734-XX6  
 SH20-1007 INFORMATION MANAGEMENT SYSTEM/360 VERSION 2 MASTER INDEX  
 PROGRAM NUMBER 5734-XX6  
 SH20-0911 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2  
 SYSTEM PROGRAMMING REFERENCE MANUAL  
 PROGRAM NUMBER 5734-XX6  
 SH20-0912 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2  
 APPLICATION PROGRAMMING REFERENCE MANUAL  
 PROGRAM NUMBER 5734-XX6  
 SH20-0910 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2  
 SYSTEM/APPLICATION DESIGN GUIDE  
 PROGRAM NUMBER 5734-XX6  
 SH20-0913 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2,  
 OPERATOR'S REFERENCE MANUAL  
 PROGRAM NUMBER 5734-XX6  
 SH20-0914 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2,  
 MESSAGES AND CODES REFERENCE MANUAL,  
 PROGRAM NUMBER 5734-XX6  
 SH20-0915 INFORMATION MANAGEMENT SYSTEM/360 VERSION 2  
 UTILITIES REFERENCE MANUAL, PROG. NO. 5734-XX6  
 LY20-0629 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2  
 PROGRAM NUMBER 5734-XX6  
 SYSTEM MANUAL - LOGIC VOLUME I, FEATURE CODE 8080  
 LY20-0630 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, VOLUME 2,  
 SYSTEM MANUAL (FLOWCHARTS), MICROFICHE  
 PROGRAM NUMBER 5734-XX6, FEATURE CODE 8081  
 LYB0-0631 INFORMATION MANAGEMENT SYSTEM/360 (IMS/360) VERS. 2, MOD  
 LEVEL 3, DATA BASE LISTINGS, VOL 3, PROG. PROD. 5734-XX6  
 LYB0-0632 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, VOLUME 4,  
 DATA COMMUNICATION LISTINGS, MICROFICHE  
 PROGRAM NUMBER 5734-XX6, FEATURE CODE 8083  
 \*\*GB21-1336 IMS DC MONITOR FDP 5798-BDF, NOTICE  
 \*\*SB21-1337 IMS DC MONITOR - FDP 5798-BDF, DESCRIPTION/OPERATIONS  
 \*\*LB21-1338 IMS DC MONITOR-FDP 5798-BDF SYSTEMS GUIDE  
 \*\*GB21-1255 IMS DICTIONARY SYSTEM - FDP 5798-BBA - NOTICE

**\*\*SB21-1256** IMS DICTIONARY SYSTEM - FDP 5798-BBA DESCRIPTION/OPERATIONS  
**\*\*LB21-1257** IMS DICTIONARY SYSTEM - FDP 5798-BBA - SYSTEMS GUIDE  
**\*\*GB21-1092** LOW LEVEL CODING AND CONTINUITY CHECKING - FDP 5798-AYN  
 G320-1523 DBPROTOTYPE (5796-PBB), IMSMAP (5796-PBC), PLIMS (5796-PBF),  
 BTS (5796-PBD), TEST IMS UTILITIES (5796-PBE) ARE NOW READY  
 FOR SHIPMENT AVAILABILITY NOTICE  
**SH20-1305** IMSMAP - DATA BASE MAPPING PROGRAMS - PROGRAM DESCRIPTION/  
 OPERATIONS MANUAL - IUP NUMBER 5796-PBC  
**LY20-0773** IMSMAP - DATA BASE MAPPING PROGRAMS SYSTEM GUIDE - IUP  
 NUMBER 5796-PBC  
**GH20-1260** INFORMATION MANAGEMENT SYSTEM VIRTUAL STORAGE (IMS/VS)  
 GENERAL INFORMATION MANUAL  
 PROGRAM NUMBER 5740-XX2  
**GH20-4238** INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS)  
 DESIGN OBJECTIVES - PROG. PROD. 5740-XX2  
**\*\*GH20-4267** INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS)  
 VERSION 1 MODIFICATION LEVEL 1 DESIGN OBJECTIVES  
 PROG. NO. 5740-XX2  
**\*\*GH20-4355** INFORMATION MANAGEMENT SYSTEM VIRTUAL STORAGE (IMS/VS)  
 SPECIFICATIONS VERSION 1 MODIFICATION LEVEL 0  
 PROG. NO. 5740-XX2  
**\*\*SH20-9025** INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS)  
 SYSTEM/APPLICATION DESIGN GUIDE  
**\*\*SH20-9026** INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS)  
 APPLICATION PROGRAMMING REFERENCE MANUAL PROG. NO. 5740-XX2  
**\*\*SH20-9027** INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS)  
 SYSTEM PROGRAMMING REFERENCE - PROG. NO. 5740-XX2  
**\*\*SH20-9028** INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS)  
 OPERATOR'S REFERENCE - PROG. NO. 5740-XX2  
**\*\*SH20-9029** INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS)  
 UTILITIES REFERENCE MANUAL - PROG. NO. 5740-XX2  
**\*\*SH20-9030** INFORMATION MANAGEMENT SYSTEM (IMS/VS) MESSAGES AND CODES  
 REFERENCE MANUAL - PROG. NO. 5740-XX2  
**\*\*GH20-9034** INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS)  
 CONVERSION PLANNING GUIDE - PROGRAM NUMBER 5740-XX2  
**\*\*LYB0-8016** INFORMATION MANAGEMENT SYSTEM/VS RELEASE 1.0  
 DATA BASE LISTINGS - SYSTEM MANUAL VOL III  
 PROG. PROD. 5740-XX2  
**\*\*LYB0-8017** INFORMATION MANAGEMENT SYSTEM/VS RELEASE 1.0  
 DATA COMMUNICATION LISTINGS FEATURE SYSTEM MANUAL VOL. IV  
 PROG. PROD. 5740-XX2  
**\*\*LY20-8004** INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS)  
 SYSTEM MANUAL - VOLUME I - NARRATIVE - PROG. NO. 5740-XX2  
**\*\*LY20-8005** INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS)  
 SYSTEM MANUAL VOLUME II - FLOWCHARTS PROG. NO. 5740-XX2  
**GB21-0908** IMS/360 2260-3270 CONVERSION AID FOR SYSTEM/360, 370  
 AVAILABILITY NOTICE - FDP NUMBER 5798-ASG  
**SB21-0909** IMS/360 2260-3270 CONVERSION AID FOR SYSTEM/360, 370  
 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ASG  
**LB21-0910** IMS/360 2260-3270 CONVERSION AID FOR SYSTEM/360, 370 SYSTEMS  
 GUIDE - FDP NUMBER 5798-ASG  
**GH20-4316** INTERACTIVE QUERY FACILITY (IQF) FEATURE FOR INFORMATION  
 MANAGEMENT SYSTEM (IMS/360) V2 - SPECIFICATION SHEET  
 PROG. PROD. 5734-XX6  
**GH20-1074** INTERACTIVE QUERY FACILITY (IQF) FOR IMS/360 VERSION 2  
 PROGRAM NUMBER 5734-XX6 - GENERAL INFORMATION MANUAL  
**GH20-1222** INTERACTIVE QUERY FACILITY (IQF) INTRODUCTION LANGUAGE GUIDE  
 PROGRAM NUMBER 5734-XX6  
**GH20-1223** IQF TERMINAL USERS REFERENCE GUIDE (INTERACTIVE QUERY  
 FACILITY) (IMS/360) - PROGRAM NUMBER 5734-XX6  
**LY20-0829** INTERACTIVE QUERY FACILITY (IQF) TO IMS/360 SYSTEM MANUAL  
 VOLUME V - PROGRAM NUMBER 5736-XX6  
**LYB0-0834** INTERACTIVE QUERY FEATURE (IQF) TO IMS/360: MICROFICHE  
 LISTINGS - PROGRAM NUMBER 5734-XX6  
**\*\*LYB0-8018** INFORMATION MANAGEMENT SYSTEM/VS RELEASE 1.6  
 INTERACTIVE QUERY FACILITY (IQF) SYSTEM MANUAL  
 VOL. VI - PROG. PROD. 5740-XX2  
**GH20-1273** PROGRAMMING LANGUAGE FOR IMS-PLIMS GENERAL INFORMATION  
 MANUAL - IUP NUMBER 5796-PBF  
**SH20-1304** PROGRAMMING LANGUAGE FOR IMS - PLIMS PROGRAM  
 DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBF  
**LY20-0772** PROGRAMMING LANGUAGE FOR IMS-PLIMS SYSTEM GUIDE - IUP  
 NUMBER 5796-PBF  
**G320-1440** RESPONSIBILITY ACCOUNTING SYSTEM ANNOUNCEMENT NOTICE - IUP  
 NUMBER 5796-ACA  
**SH20-1328** RESPONSIBILITY ACCOUNTING SYSTEM - THE PHILADELPHIA NATIONAL  
 BANK - PDOM NUMBER 5796-ACA  
**LY20-0921** RESPONSIBILITY ACCOUNTING SYSTEM THE PHILADELPHIA NATIONAL  
 BANK SYSTEM GUIDE - IUP NUMBER 5796-ACA  
**SH20-1307** TEST IMS UTILITIES PROGRAM DESCRIPTION/OPERATIONS MANUAL  
 IUP NUMBER 5796-PBE  
**LY20-0775** TEST IMS UTILITIES PROGRAM SYSTEMS GUIDE - IUP NUMBER  
 5796-PBE

GH20-4320 VANCOUVER DATA LANGUAGE-ONE (VANDL-1) SPECIFICATIONS -  
PROGRAM NO. 5799-AEY  
SC09-0007 VANDL-1 PRPQ DESCRIPTION AND OPERATION MANUAL (VANCOUVER  
DATA LANGUAGE ONE) - PROGRAM NUMBER 5799-AEY  
LY09-0012 VANDL-1 LOGIC MANUAL - PROG. NO. 5799-AEY

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GH19-1038 SYSTEM/360 AND SYSTEM/370 BUDGETS AND PLANS GENERATOR  
BUDPLAN GENERAL INFORMATION MANUAL  
PROGRAM PRODUCT 5734-F51  
SH19-1040 SYSTEM/360 AND SYSTEM/370 BUDGETS AND PLANS GENERATOR  
(BUDPLAN): PROGRAM REFERENCE MANUAL, PROG. NO. 5734-F51  
SH19-1041 BUDPLAN/OS OPERATIONS GUIDE PROG. NO. 5734-F51  
GH19-1042 BUDGETS AND PLANS GENERATOR (BUDPLAN) SPECIFICATIONS  
S/360/370 OS AND OS/VS - PROGRAM PRODUCT 5734-F51  
GH20-4321 IBM SYSTEM/360 AND SYSTEM/370 OS BUDGETS AND PLANS GENERATOR  
(BUDPLAN): PROGRAM PRODUCT 5734-F51 SPECIFICATIONS  
LY19-1009 SYSTEM/360 AND SYSTEM/370 BUDGETS AND PLANS GENERATOR LOGIC  
MANUAL (BUDPLAN) - PROGRAM PRODUCT 5734-F51  
GH20-4349 SYSTEM/370 BUDGETS AND PLANS GENERATOR - DOS/VS  
(BUD PLAN) SPECIFICATIONS PROGRAM PRODUCT 5746-F51  
SH19-1062 BUDPLAN DOS/VS OPERATOR'S GUIDE - PROGRAM PRODUCT 5746-F51  
SH19-1061 SYSTEM/370 DOS/VS BUDGETS AND PLANS GENERATOR (BUDPLAN)  
PROGRAM REFERENCE MANUAL PROGRAM NUMBER 5746-F51  
LY19-1012 IBM SYSTEM/370 BUDGETS AND PLANS GENERATOR (BUDPLAN)  
DOS/VS LOGIC MANUAL - PROGRAM PRODUCT 5746-F51  
GH20-4043 CUSTOMER INFORMATION CONTROL SYSTEM OS - STANDARD (CICS/OS)  
AND LANGUAGE AND TERMINAL FEATURE (L/T) NO. 6004, 6005, OR  
6006, PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-U11  
GH20-0318 CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OS-STANDARD V1  
WITH LANGUAGE/TERMINAL (L/T) FEATURE: APPLICATION DESCRIP-  
TION, PROG. NO. 5736-U11  
SH20-0605 CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD (CICS/OS)  
(5736-U11), PROGRAM DESCRIPTION  
SH20-0606 CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD  
(CICS/OS), (5736-U11) OPERATION MANUAL  
LY20-0369 CUSTOMER INFORMATION CONTROL SYSTEM OS-STANDARD (CICS/OS),  
(5736-U11), SYSTEM MANUAL, FEATURE CODE 8805  
LY20-0604 CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD (CICS/OS)  
(5736-U11), LANGUAGE AND TERMINAL (L/T) FEATURE  
SYSTEM MANUAL, FEATURE CODE 8060  
GH20-4140 CUSTOMER INFORMATION CONTROL SYSTEM/OS - STANDARD V2  
(CICS/OS - STANDARD V2) SPECIFICATIONS - PROGRAM PRODUCT  
5734-XX7  
GH20-4134 CUSTOMER INFORMATION CONTROL SYSTEM/DOS ENTRY (CICS/DOS-  
ENTRY), PROG. NO. 5736-XX6, 3330 SUPPORT FEATURE 5000,  
5001, 5002: PROGRAM PRODUCT SPECIFICATIONS  
GH20-4131 CUSTOMER INFORMATION CONTROL SYSTEM/DOS-STANDARD (CICS/DOS-  
STANDARD), PROG. NO. 5736-XX7, 3330 SUPPORT FEATURE 5003,  
5004, 5005: PROGRAM PRODUCT SPECIFICATIONS  
GH20-1028 CUSTOMER INFORMATION CONTROL SYSTEM (CICS) DOS-ENTRY  
(CICS/DOSE) DOS-STANDARD (CICS/DOSS) OS-STANDARD V2  
(CICS/OS) GENERAL INFORMATION MANUAL  
PROGRAM NUMBERS 5734-XX7, 5736-XX6, 5736-XX7  
SH20-1043 CUSTOMER INFORMATION CONTROL SYSTEM (CICS) SYSTEM  
PROGRAMMER'S REFERENCE MANUAL PROGRAM NUMBERS  
DOS-ENTRY 5736-XX6, DOS-STANDARD 5736-XX7,  
OS-STANDARD V2 5734-XX7  
SH20-1047 CUSTOMER INFORMATION CONTROL SYSTEM DOS - ENTRY (CIS  
DOS - STANDARD (CICS/DOSS) OS - STANDARD VERSION 2 (CICS/OS)  
APPLICATION PROGRAMMER'S REFERENCE MANUAL  
PROGRAM NUMBERS 5736-XX6, 5736-XX7, 5734-XX7  
SH20-1048 CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATING SYSTEM  
STANDARD VERSION 2 OPERATIONS GUIDE  
PROGRAM NUMBER 5734-XX7  
SH20-1034 CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATIONS  
GUIDE - PROGRAM NUMBERS DOS-ENTRY 5736-XX6 DOS-STANDARD  
5736-XX7  
SH20-1044 CUSTOMER INFORMATION CONTROL SYSTEM (CICS) TERMINAL  
OPERATOR'S GUIDE - PROGRAM NUMBERS DOS-ENTRY 5736-XX6,  
DOS-STANDARD 5736-XX7, OS-STANDARD V2 5734-XX7  
LY20-0714 CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATING SYSTEM  
STANDARD VERSION 2 - FEATURE NUMBER 8142 - LOGIC MANUAL  
PROGRAM NUMBER 5734-XX7  
LYB0-0781 CUSTOMER INFORMATION CONTROL SYSTEM/OPERATING SYSTEM  
STANDARD (CICS/OS-STANDARD) VERSION 2 PROGRAM LISTINGS  
MICROFICHE - PROGRAM NUMBER 5734-XX7  
LY20-0712 CUSTOMER INFORMATION CONTROL SYSTEM FEATURE NUMBER 8030  
(DOS-ENTRY) LOGIC MANUAL - PROGRAM NUMBER 5736-XX6  
LYB0-0724 CUSTOMER INFORMATION CONTROL SYSTEM/DOS - ENTRY (CICS/DOS-  
ENTRY) LISTINGS, PROG. PROD. 5736-XX6

LY20-0713 CUSTOMER INFORMATION CONTROL SYSTEM (CICS) LOGIC MANUAL  
 PROGRAM NUMBER 5736-XX7 (DOS-STANDARD) FEATURE NUMBER 8031  
 LYB0-0735 CUSTOMER INFORMATION CONTROL SYSTEM/DOS STANDARD (CICS/DOS-  
 STANDARD) LISTINGS, PROG. PROD. 5736-XX7  
 GH20-4237 CUSTOMER INFORMATION SYSTEM/OS/VIS (CICS/OS/VIS)  
 DESIGN OBJECTIVES, - PROG. PROD. 5740-XX1  
 GH20-4236 CUSTOMER INFORMATION CONTROL SYSTEM/DOS/VIS (CICS/DOS/VIS)  
 \*\*GH20-4266 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE OS/VIS  
 (CICS/OS/VIS) VERSION 1 MODIFICATION LEVEL 1  
 DESIGN OBJECTIVES PROG. NO. 5740-XX1  
 \*\*GH20-4354 CUSTOMER INFORMATION CONTROL SYSTEM OS/VIS PROGRAM PRODUCT  
 (5740-XX1) SPECIFICATIONS (VERSION 1, MODIFICATION LEVEL 0)  
 GH20-1280 CICS/VIS GENERAL INFORMATION MANUAL, PROG. NOS. 5740-XX1, 5746-XX1  
 \*\*SH20-9011 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE  
 (OS) CICS/VIS) OPERATIONS GUIDE, PROG. NO. 5740-XX1  
 \*\*LYB0-8008 CUSTOMER INFORMATION CONTROL SYSTEM/VIS (CICS/VIS)  
 PROG. PROD. 5740-XX1  
 \*\*LY20-8006 CUSTOMER INFORMATION CONTROL SYSTEM/OPERATING  
 SYSTEM/VIRTUAL STORAGE (CICS/OS/VIS)  
 PROGRAM LOGIC MANUAL  
 GH20-9001 CICS/VIS CONVERSION PLANNING GUIDE PROG. NOS. 5740-XX1,  
 5746-XX3  
 SH20-9002 CUSTOMER INFORMATION CONTROL SYSTEM (CICS/VIS)  
 SYSTEM/APPLICATION DESIGN GUIDE PROG. NO.  
 CICS/OS/VIS 5740-XX1, CICS/DOS/VIS 5746-XX3  
 \*\*SH20-9003 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE  
 (CICS/VIS APPLICATION PROGRAMMER'S REFERENCE MANUAL  
 PROG. NOS. 5740-XX1, 5746-XX3  
 \*\*SH20-9004 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE  
 (CICS/VIS) SYSTEM PROGRAMMER'S REFERENCE MANUAL -  
 PROGRAM NUMBERS 5740-XX1, 5746-XX3  
 \*\*SH20-9005 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE  
 (CICS/VIS) TERMINAL OPERATOR'S GUIDE PROGRAM NUMBERS  
 (5740-XX1) AND (5746-XX3)  
 \*\*SH20-9006 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE  
 (CICS/VIS) SYSTEM ADMINISTRATOR'S GUIDE PROG. NO.'S 5740-XX1,  
 5746-XX3  
 \*\*SH20-9008 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE  
 (CICS/VIS) MESSAGES AND CODES MANUAL  
 PROG. NOS. 5740-XX1, 5746-XX3  
 \*\*GH20-4265 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE DOV/VIS  
 VERSION 1 MODIFICATION LEVEL 1 DESIGN OBJECTIVES  
 PROG. NO. 5746-XX3  
 \*\*GH20-4359 CUSTOMER INFORMATION CONTROL SYSTEM/DOS/VIS  
 VERSION 1, MODIFICATION LEVEL 0, SPECIFICATIONS  
 PROGRAM PRODUCT 5746-XX3  
 \*\*SH20-9012 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE  
 (CICS/VIS) OPERATIONS GUIDE (DOS) PROG. NO. CICS/DOS/VIS  
 5746-XX3  
 \*\*LYB0-8009 CUSTOMER INFORMATION CONTROL SYSTEM - DOS/VIS  
 (CICS/VIS) - PROG. PROD. 5746-XX3  
 \*\*LY20-8007 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE  
 (CICS/VIS) PROGRAM LOGIC MANUAL - PROG. NO. CICS/DOS/VIS  
 5746-XX3  
 G320-8089 S/370 CICS/COBOL CALL INTERFACE NATIONAL BANK OF DETROIT  
 IUP 5796-AEG NOTICE  
 SH20-1359 S/370 CICS/COBOL CALL INTERFACE NATIONAL BANK OF DETROIT  
 5796-AEG DESCRIPTION/OPERATIONS  
 GB21-1035 CICS/3270 SIMULATOR (5798-AXC), CICS DYNAMIC MAP (5798-AXR),  
 AND CICS PERFORMANCE ANALYZER (5798-AZN): 3 FDP'S NOTICE  
 SB21-1075 CICS DYNAMIC MAP - FDP 5798-AXR  
 DESCRIPTION/OPERATIONS  
 SB21-1181 CICS PERFORMANCE ANALYZER - FDP 5798-AZN  
 DESCRIPTION/OPERATIONS  
 \*\*SB21-1036 CICS/3270 SIMULATOR - FDP 5798-AXC  
 DESCRIPTION/OPERATIONS  
 G320-8088 S/370 CICS ON-LINE TEST/DEBUG CON EDISON - IUP 5796-AEF  
 NOTICE  
 SH20-1358 S/370 CICS ON LINE TEST/DEBUG CON EDISON - IUP 5796-AEF  
 DESCRIPTION/OPERATIONS  
 \*\*GB21-1373 CICS SOURCE PROGRAM MAINTENANCE ON-LINE - FDP 5798-BDT,  
 NOTICE  
 \*\*SB21-1374 CICS SOURCE PROGRAM MAINTENANCE ON-LINE FDP 5798-BDT  
 DESCRIPTION/OPERATIONS  
 GB21-0749 CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VIS1  
 AVAILABILITY NOTICE - FDP NUMBER 5798-AMR  
 SB21-0750 CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VIS1  
 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMR  
 LB21-0751 CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VIS1  
 SYSTEM GUIDE - FDP NUMBER 5798-AMR  
 \*\*SB21-1305 CUSTOMER INFORMATION FILE OS/DOS FDP'S 5798-AHX, 5798-AMR  
 GB21-0505 CUSTOMER INFORMATION FILE USING DOS/CICS  
 FDP - AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AHX



SB21-0506 CUSTOMER INFORMATION FILE USING DOS/CICS  
FDP - PROGRAM DESCRIPTION/OPERATIONS MANUAL  
PROGRAM NUMBER 5798-AHX

LB21-0507 CUSTOMER INFORMATION FILE USING DOS/CICS  
FDP - SYSTEMS GUIDE - PROGRAM NUMBER 5798-AHX

GB21-0800 CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR  
SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ANK

SB21-0801 CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR  
SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP  
NUMBER 5798-ANK

LB21-0802 CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR  
SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ANK

GH20-4339 CREDIT MANAGEMENT SYSTEM ( PROGRAMMING RPQ WB4982): PROG.  
NO. 5799-ADF SPECIFICATIONS

SH20-1422 CREDIT MANAGEMENT SYSTEM PROGRAM REFERENCE AND OPERATIONS  
MANUAL - PROGRAM NUMBER 5799-ADF, PRPQ WB4982

LY20-0866 CREDIT MANAGEMENT SYSTEM LOGIC MANUAL - PROGRAM NUMBER  
5799-ADF

GH20-4348 CREDIT MANAGEMENT SYSTEM II (PROGRAMMING RPQ MD6769): PROG.  
NO. 5799-AHJ SPECIFICATIONS

GH20-1466 CREDIT MANAGEMENT SYSTEM II GENERAL INFORMATION MANUAL  
PROG. NO. 5799-AHJ

SH20-1467 CREDIT MANAGEMENT SYSTEM II PROGRAM REFERENCE MANUAL AND  
OPERATIONS GUIDE - PROG. NO. 5799-AHJ

LY20-2006 CREDIT MANAGEMENT SYSTEM II LOGIC MANUAL  
PROD. NO. 5799-AHJ

GH20-4103 DISPLAY MANAGEMENT SYSTEM (DMS): PROGRAM PRODUCT SPEC'S  
PROG. NO. 5734-XC1

GH20-0841 DISPLAY MANAGEMENT SYSTEM APPLICATION DESCRIPTION  
PROGRAM NUMBER 5734-XC1

SH20-0909 DISPLAY MANAGEMENT SYSTEM PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBER 5734-XC1

SH20-0919 DISPLAY MANAGEMENT SYSTEM OPERATOR'S MANUAL  
PROGRAM NUMBER 5734-XC1

LY20-0634 DISPLAY MANAGEMENT SYSTEM, SYSTEM MANUAL  
PROGRAM NUMBER 5734-XC1, FEATURE CODE 8005

GH20-4344 DISPLAY MANAGEMENT SYSTEM II (DMS II OS/V) SPECIFICATIONS  
PROGRAM PRODUCT 5734-XC4

GH20-1251 DISPLAY MANAGEMENT SYSTEM II (DMS II) GENERAL INFORMATION  
MANUAL - PROGRAM PRODUCTS 5734-XC4 AND 5736-XC4

SH20-1457 DISPLAY MANAGEMENT SYSTEM II (DMS II) OS/V PROGRAM  
REFERENCE MANUAL - PROGRAM NUMBER 5734-XC4

SH20-1456 DISPLAY MANAGEMENT SYSTEM II (DMS II) OS/V OPERATIONS GUIDE  
PROGRAM NUMBER 5734-XC4

LY20-0870 DISPLAY MANAGEMENT SYSTEM II (DMS II) OS/V LOGIC MANUAL  
PROGRAM NUMBER 5734-XC4

\*\*SH20-1572 DISPLAY MANAGEMENT SYSTEM II DOS/V (DMS II)  
OPERATIONS GUIDE

GH20-4242 DISPLAY MANAGEMENT SYSTEM II (DMS II DOS/V) DESIGN  
OBJECTIVES - PROGRAM PRODUCT 5736-XC4

\*\*GH20-1502 FASTER LANGUAGE FACILITY FOR THE CUSTOMER INFORMATION  
CONTROL SYSTEM - PROG. NOS. 5740-XX1, 5746-XX3

GH20-4256 FASTER LANGUAGE FACILITY FOR CICS/DOS/V 5746-XX3) AND FOR  
CICS/OS/V (5740-XX1): PROG. PROD. DESIGN OBJECTIVES

GH20-4325 SYSTEM/360 AND SYSTEM/370 FORECASTING AND MODELING SYSTEMS  
SPECIFICATIONS - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION)  
AND 5734-XS7 (OS VERSION)

GH19-4000 FORECASTING AND MODELING SYSTEM (FAMS) GENERAL INFORMATION  
MANUAL - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION), 5734-XS7  
(OS VERSION)

SH19-4001 FORECASTING AND MODELING SYSTEM (FAMS) PROGRAM REFERENCE  
MANUAL - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION), 5734-XS7  
(OS VERSION)

SH19-4002 FAMS OPERATIONS GUIDE

LY19-4000 FORECASTING AND MODELING SYSTEM (FAMS) LOGIC MANUAL  
PROGRAM NUMBER 5736-XS4 (DOS VERSION), 5734-XS7 (OS VERSION)

GB21-0393 IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL  
BUSINESS SIMULATION FOR APL/360 - PROGRAM NUMBER 5798-AGM  
FIELD DEVELOPED PROGRAM-AVAILABILITY NOTICE

SB21-0394 IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL  
BUSINESS SIMULATION FOR APL/360 - FIELD DEVELOPED PROGRAM  
DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AGM

LB21-0395 IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL  
BUSINESS SIMULATION FOR APL/360 - FIELD DEVELOPED PROGRAM  
SYSTEMS GUIDE - PROGRAM NUMBER 5798-AGM

GH20-4122 MINIPERT - PROGRAM NUMBER 5734-XP3

GH20-0852 INTRODUCTION TO MINIPERT  
PROGRAM NUMBER 5734-XP3

SH20-0995 MINIPERT PROGRAM DESCRIPTION AND OPERATIONS MANUAL  
PROGRAM NUMBER 5734-XP3

LY20-0674 MINIPERT SYSTEM MANUAL, FEATURE NUMBER 8086  
 PROGRAM NUMBER 5734-XP3  
 GH20-4136 PLANNING SYSTEMS GENERATOR II (PSG II): PROGRAM PRODUCT  
 SPEC'S, PROG. NO. 5734-XT1  
 GH20-1035 PLANNING SYSTEM GENERATOR II (PSGII) GENERAL INFORMATION  
 MANUAL PROGRAM NUMBER 5734-XT1  
 SH20-1042 PLANNING SYSTEMS GENERATOR II (PSG II) PROGRAM REFERENCE  
 MANUAL - PROGRAM NUMBER 5734-XT1  
 SH20-1041 PLANNING SYSTEMS GENERATOR II (PSG II)  
 OPERATIONS MANUAL - PROGRAM NUMBER 5734-XT1  
 LY20-0710 PLANNING SYSTEMS GENERATOR II (PSG II) LOGIC MANUAL  
 PROGRAM NUMBER 5734-XT1 FEATURE NUMBER 8114  
 GH20-4309 PSG II DOS - SPECIFICATIONS, PROG. NO. 5736-XT1  
 SH20-1174 PLANNING SYSTEMS GENERATOR II (PSG II) DOS - PROGRAM  
 REFERENCE MANUAL - PROGRAM PRODUCT 5736-XT1  
 SH20-1164 PLANNING SYSTEMS GENERATOR II (PSG II) DOS OPERATOR'S GUIDE  
 PROGRAM PRODUCT 5736-XT1  
 LY20-0808 PLANNING SYSTEMS GENERATOR II (PSG II) DOS LOGIC MANUAL  
 PROGRAM NUMBER 5736-XT1  
 \*\*GH20-1506 PLANNING SYSTEM GENERATOR UNDER THE OS/V52 TIME SHARING  
 OPTION (PSG/TSO) GENERAL INFORMATION MANUAL PROGRAM  
 NUMBER 5740-XT1  
 \*\*SH20-1508 PLANNING SYSTEMS GENERATOR UNDER THE OS/V52 TIME SHARING  
 OPTION (PSG/TSO) OPERATIONS GUIDE PROGRAM NUMBER 5740-XT1  
 \*\*SH20-1509 PLANNING SYSTEMS GENERATOR UNDER THE OS/V52 TIME SHARING  
 OPTION (PSG/TSO) USER'S GUIDE - PROG. NO. 5740-XT1  
 \*\*GH20-4364 PLANNING SYSTEMS GENERATOR UNDER THE OS/V52  
 TIME SHARING OPTION (PSG/TSO) PROGRAM PRODUCT 5740-XT1,  
 SPECIFICATIONS  
 \*\*LY20-2020 PLANNING SYSTEMS GENERATOR UNDER THE OS/V52 TIME SHARING  
 OPTION (PSG/TSO) LOGIC MANUAL - PROG. NO. 5740-XT1  
 GH20-4346 PLANNING SYSTEMS GENERATION ON VM/370 (PSG/CMS)  
 PROGRAM NUMBER 5748-XT1  
 GH20-1459 PLANNING SYSTEMS GENERATOR ON VM/370 (PSG/CMS):  
 GENERAL INFORMATION MANUAL, PROG. NO. 5748-XT1  
 SH20-1469 PLANNING SYSTEMS GENERATOR ON VM/370 (PSG/CMS):  
 OPERATIONS GUIDE, PROG. NO. 5748-XT1  
 SH20-1468 PLANNING SYSTEMS GENERATOR ON VM/370 (PSG/CMS):  
 TERMINAL USER'S GUIDE, PROG. NO. 5748-XT1  
 LY20-2007 PLANNING SYSTEMS GENERATOR ON VM/370 (PSG/CMS): LOGIC MANUAL  
 PROG. NO. 5748-XT1  
 G320-1517 APL/PDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM (PDTS):  
 IUP AVAILABILITY NOTICE PROGRAM NUMBER 5796-PAD  
 SH20-1092 APL/PDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM (PDTS):  
 PROGRAM DESCRIPTION/OPERATIONS MANUAL IUP PROG #5796-PAD  
 LY20-0746 APL/PDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM  
 SYSTEM GUIDE - IUP NO. 5796-PAD  
 GH20-4081 PROJECT MANAGEMENT SYSTEM/360 VERSION 3 FUNCTIONAL  
 DESCRIPTION SHEET - PROGRAM NUMBER 5734-XP1  
 GH20-0690 PROJECT MANAGEMENT SYSTEM/360 VERSION 3 APPLICATION  
 DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XP1  
 SH20-0677 PROJECT MANAGEMENT SYSTEM/360 VERSION 3 PROGRAM  
 DESCRIPTION AND OPERATIONS MANUAL  
 PROGRAM NUMBER 5734-XP1  
 LY20-0459 PROJECT MANAGEMENT SYSTEM/360: VERSION 3, COST PROCESSOR -  
 SYSTEM MANUAL  
 PROGRAM NUMBER 5734-XP1 FEATURE CODE 8102  
 LY20-0460 PROJECT MANAGEMENT SYSTEM/360 VERSION 3 FLOWCHART SYSTEM  
 MANUAL PROGRAM NUMBER: 5734-XP1 FEATURE CODE: 8105  
 LY20-0457 PROJECT MANAGEMENT SYSTEM/360 VERSION 3 NETWORK PROCESSOR  
 SYSTEM MANUAL, PROGRAM NUMBER: 5734-XP1  
 FEATURE CODE: 8101  
 LY20-0467 PROJECT MANAGEMENT SYSTEM/360 VERSION 3: REPORT PROCESSOR  
 SYSTEM MANUAL  
 PROGRAM NUMBER 5734-XP1 FEATURE CODE 8101  
 LY20-0456 PROJECT MANAGEMENT SYSTEM/360: VERSION 3,  
 RESOURCE ALLOCATION PROCESSOR SYSTEM MANUAL  
 PROGRAM NUMBER 5734-XP1 FEATURE CODE 8104  
 LYB0-0454 PROJECT MANAGEMENT SYSTEM/360: VERSION 3, LISTINGS -  
 SYSTEM MANUAL MICROFICHE  
 PROGRAM NUMBER 5734-XP1 FEATURE CODE 8301  
 GH20-4104 PROJECT MANAGEMENT SYSTEM IV, PROGRAM PRODUCT SPECIFICATIONS  
 PROGRAM NUMBER 5734-XP4  
 GH20-0855 INTRODUCTION TO PROJECT MANAGEMENT SYSTEM IV (PMSIV),  
 PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XP4  
 SH20-0898 PMS IV, COST PROCESSOR, PROGRAM DESCRIPTION AND OPERATIONS  
 PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XP4  
 SH20-0899 PMS IV, NETWORK PROCESSOR, PROGRAM DESCRIPTION  
 AND OPERATIONS MANUAL, PROGRAM NUMBER 5734-XP4  
 SH20-0901 PROJECT MANAGEMENT SYSTEM IV (PMS IV) REPORT PROCESSOR  
 PROGRAM DESCRIPTION/OPERATIONS MANUAL  
 PROGRAM NUMBER 5734-XP4

SH20-0900 PROJECT MANAGEMENT SYSTEM IV (PMSIV)  
RESOURCE ALLOCATION PROCESSOR, PROGRAM DESCRIPTION/  
OPERATIONS MANUAL - PROGRAM NUMBER 5734-XP4

LY20-0609 PROJECT MANAGEMENT SYSTEM IV (PMS IV)  
PROGRAM NUMBER 5734-XP4, FEATURE NUMBER 8074  
COST PROCESSOR SYSTEM MANUAL

LY20-0613 PROJECT MANAGEMENT SYSTEM IV (PMSIV)  
COST PROCESSOR FLOWCHART MANUAL  
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8075

LYB0-0617 PROJECT MANAGEMENT SYSTEM IV (PMS IV)  
COST PROCESSOR ASSEMBLY LISTINGS  
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8076

LY20-0610 PROJECT MANAGEMENT SYSTEM IV (PMS IV)  
PROGRAM NUMBER 5734-XP4 - FEATURE NUMBER 8071  
NETWORK PROCESSOR SYSTEM MANUAL

LY20-0614 PROJECT MANAGEMENT SYSTEM IV (PMSIV)  
NETWORK PROCESSOR FLOWCHART MANUAL  
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8072

LYB0-0618 PROJECT MANAGEMENT SYSTEM IV (PMS IV)  
NETWORK PROCESSOR ASSEMBLY LISTINGS  
PROGRAM NUMBER 5734-XP4, FEATURE CODE 7406

LY20-0612 PROJECT MANAGEMENT SYSTEM IV (PMS IV)  
PROGRAM NUMBER 5734-XP4 - FEATURE NUMBER 8068  
REPORT PROCESSOR SYSTEM MANUAL

LY20-0616 PROJECT MANAGEMENT SYSTEM IV (PMSIV)  
REPORT PROCESSOR FLOWCHART MANUAL  
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8069

LYB0-0620 PROJECT MANAGEMENT SYSTEM IV (PMS IV)  
REPORT PROCESSOR ASSEMBLY LISTINGS  
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8070

LY20-0611 PROJECT MANAGEMENT SYSTEM IV (PMSIV)  
RESOURCE ALLOCATION PROCESSOR SYSTEM MANUAL  
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8077

LY20-0615 PROJECT MANAGEMENT SYSTEM IV (PMSIV)  
RESOURCE ALLOCATION PROCESSOR FLOWCHART MANUAL  
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8078

LYB0-0619 PROJECT MANAGEMENT SYSTEM IV (PMS IV)  
RESOURCE ALLOCATION PROCESSOR ASSEMBLY LISTINGS  
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8079

GH20-4089 IBM SYSTEM/360 RESOURCE ALLOCATION FOR PROJECT CONTROL  
SYSTEM/360 FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-XP2

GH19-0014 IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360)  
FOR PROJECT CONTROL SYSTEM/360  
APPLICATION DESCRIPTION MANUAL  
PROGRAM NUMBER 5736-XP2

SH19-0026 IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360)  
FOR PROJECT CONTROL SYSTEM/360  
PROGRAM DESCRIPTION AND OPERATIONS MANUAL  
PROGRAM NUMBER: 5736-XP2

LY19-0007 IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360) FOR PROJECT  
CONTROL SYSTEM/360 LISTINGS MANUAL (PROGRAM NO. 5736-XP2,  
FEATURE CODE 8017)

GB21-1137 STATISTICS GENERATING PACKAGE - NOTICE  
FDP 5798-AYY

\*\*GB21-9922 STATISTICS GENERATING REPORT BROCHURE - FDP 5798-AYY

GH20-4312 STORAGE AND INFORMATION RETRIEVAL SYSTEM SPECIFICATION  
SHEET (STAIRS) - PROGRAM NUMBER 5734-XR3

SH12-5407 IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION  
RETRIEVAL SYSTEM (STAIRS), PROGRAM PRODUCT REFERENCE  
MANUAL - PROGRAM NUMBER 5734-XR3

SH12-5509 IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION  
RETRIEVAL SYSTEM (STAIRS), OPERATION GUIDE  
PROGRAM PRODUCT 5734-XR3

LY12-5008 IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION  
RETRIEVAL SYSTEM (STAIRS), PROGRAM LOGIC MANUAL VOL. I  
NARRATIVES - PROGRAM PRODUCT 5734-XR3

LY12-5013 SYSTEM/360/370 STAIRS: PLM VOLUME II (FLOWCHARTS) - PROGRAM  
NUMBER 5734-XR3

GH20-4245 IBM SYSTEM/370 (OS/VS) STORAGE AND INFORMATION RETRIEVAL  
SYSTEM/VIRTUAL STORAGE (STAIRS/VS)  
PROGRAM PRODUCT 5740-XR1 - SPECIFICATION SHEET

G320-1415 S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS)  
ANNOUNCEMENT NOTICE - IUP NUMBER 5796-ABF

SH20-1115 S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS) PROGRAM  
DESCRIPTION OPERATIONS MANUAL - IUP NUMBER 5796-ABF

GB21-9947 S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS)  
MARKETING MATERIALS FOLDER - IUP NUMBER 5796-ABF

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G320-8063 ADVANCED STATISTICAL ANALYSIS PROGRAM ASTAP ANNOUNCEMENT  
NOTICE - IUP NUMBER 5796-PBH

GH20-1271      ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP)  
                   GENERAL INFORMATION MANUAL - PROG. NO. 5796-PBH  
 SH20-1118      ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) PROGRAM  
                   REFERENCE MANUAL - IUP NUMBER 5796-PBH  
 SH20-1119      ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP)  
                   OPERATIONS GUIDE - IUP NUMBER 5796-PBH  
 LY20-0764      ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) REFERENCE  
                   GUIDE - IUP NUMBER 5796-PBH  
 LY20-0765      ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) - LOGIC MANUAL  
                   PROGRAM NUMBER 5796-PBH  
 GB21-0399      APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 AVAILABILITY  
                   NOTICE - FDP NUMBER 5798-AGF  
 SB21-0400      APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 PROGRAM  
                   DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AGF  
 LB21-0401      APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 SYSTEMS GUIDE  
                   FDP NUMBER 5798-AGF  
 GH20-4080      SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - OS PROGRAM  
                   PRODUCT FUNCTIONAL DESCRIPTION, PROG. NO. 5736-P72  
 GH20-4079      SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - PS (M44)  
                   PROGRAM PRODUCT FUNCTIONAL DESCRIPTION SHEET  
                   PROGRAM NUMBER 5736-P71  
 GH20-0558      SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE APPLICATION  
                   DESCRIPTION MANUAL  
                   PROGRAM NUMBERS 5736-P71, 5736-P72  
 SH20-0619      SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE:  
                   PROGRAM DESCRIPTION MANUAL, PROG. NOS. 5736-P71, -P72  
 GH20-0621      SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - OS:  
                   OPERATIONS MANUAL - PROGRAM NUMBER 5736-P72  
 SH20-0620      SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - PS:  
                   OPERATIONS MANUAL - PROGRAM NUMBER 5736-P71  
 LY20-0406      SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - OS  
                   SYSTEM MANUAL, PROG. NO. 5736-P72, FEATURE NO. 8101  
 LY20-0407      SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE -  
                   PS SYSTEM MANUAL  
                   PROGRAM NUMBER 5736-P71 FEATURE CODE 8101  
 GH20-4326      BUSINESS ANALYSIS/BASIC FOR SYSTEM/3 MODEL 6, ITF (OS, DOS,  
                   TSO), AND VM/370-CMS: SPECIFICATIONS, PROG. NOS. 5703-XM3  
                   AND 5734-XMB  
 GH20-1175      BUSINESS ANALYSIS/BASIC GENERAL INFORMATION MANUAL, PROG.  
                   NOS. 5703-XM3 (SYSTEM/3 MODEL 6) AND 5734-XMB (ITF-OS/DOS/  
                   TSO AND VM/370-CMS)  
 SH20-1262      BUSINESS ANALYSIS/BASIC FOR ITF AND VM/370-CMS OPERATIONS  
                   GUIDE, PROG. NO. 5734-XMB  
 SH20-1264      BUSINESS ANALYSIS/BASIC PROGRAM REFERENCE MANUAL, PROG. NOS.  
                   5703-XM4 (S/3 MOD 6), 5734-XMB (ITF-OS/DOS/TSO & VM/370-CMS)  
 LY20-0840      BUSINESS ANALYSIS/BASIC LOGIC MANUAL, PROG. NOS. 5703-XM3  
                   (SYSTEM/3 MODEL 6) AND 5734-XMB (ITF-OS/DOS/TSO, VM/370-CMS)  
 GH20-4308      MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF (OS, DOS, TSO), AND  
                   VM/370-CMS: SPECIFICATIONS, PROG. NOS. 5703-XM2 AND 5734-XM8  
 GH20-1128      MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS GENERAL  
                   INFORMATION MANUAL, PROG. NOS. 5703-XM2 (SYSTEM/3) AND  
                   5734-XM8 (ITF AND VM/370-CMS)  
 SH20-1157      MATH/BASIC FOR ITF AND VM/370-CMS: OPERATIONS GUIDE,  
                   PROGRAM NUMBER 5734-XM8  
 SH20-1158      MATH/BASIC FOR SYSTEM/3 MODEL 6. ITF AND VM/370-CMS PROGRAM  
                   REFERENCE MANUAL, PROG. NOS. 5703-XM2 (S/3) AND 5734-XM8  
                   (ITF-OS/DOS/TSO AND VM/370-CMS)  
 LY20-0804      MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS: LOGIC  
                   MANUAL, PROG. NOS. 5703-XM2 (SYSTEM/3) AND 5734-XM8 (ITF AND  
                   VM/370-CMS); FEATURE NOS. 8017, 8153  
 GH20-4102      MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX)  
                   SPECIFICATION SHEET - PROGRAM NUMBER 5734-XM4  
 GH20-0849      INTRODUCTION TO MATHEMATICAL PROGRAMMING SYSTEM EXTENDED  
                   (MPSX) - PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XM4  
 SH20-0968      MPSX LINEAR AND SEPARABLE PROGRAMMING,  
                   PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM4  
 SH20-0908      MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX)  
                   MIXED INTEGER PROGRAMMING (MIP) PROGRAM DESCRIPTION MANUAL  
 SH20-0960      MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX)  
                   READ COMMUNICATIONS FORMAT (READCOMM)  
                   PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM4  
 SH20-0924      MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX),  
                   OPERATIONS MANUAL - PROGRAM NUMBER 5734-XM4  
 SH20-0932      MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX)  
                   CONTROL LANGUAGE USER'S MANUAL, PROGRAM NUMBER 5734-XM4  
 SH20-0959      MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX)  
                   MESSAGE MANUAL, PROGRAM NUMBER 5734-XM4  
 LY20-0646      MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX)  
                   SYSTEM MANUAL, PROGRAM NUMBER 5734-XM4, FEATURE CODE 8056  
 LY20-0642      MATHEMATICAL PROGRAM SYSTEM EXTENDED (MPSX) FLOWCHART MANUAL  
                   PROGRAM NUMBER 5734-XM4, FEATURE CODE 8055  
 LYB0-0643      MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MICROFICHE  
                   ASSEMBLY LISTINGS - PROGRAM NUMBER 5734-XM4  
                   FE SERVICE NUMBER 200080

LY20-0826 MPSX AND GENERALIZED UPPER BOUNDING LOGIC MANUAL - PROGRAM  
 NUMBER 5734-XM4  
 LYB0-0832 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) GENERALIZED  
 UPPER BOUNDING (GOB) MICROFICHE LISTINGS - PROGRAM NUMBER  
 5734-XM4  
 LY20-0640 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX)  
 MIXED INTEGER PROGRAMMING (MIP) - SYSTEM MANUAL  
 PROGRAM NUMBER 5734-XM4, FEATURE NUMBER 8056  
 LY20-0641 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX),  
 MIXED INTEGER PROGRAMMING (MIP) FLOWCHART MANUAL,  
 PROGRAM NUMBER 5734-XM4, FEATURE CODE 8057  
 LYB0-0644 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX),  
 MIXED INTEGER PROGRAMMING (MIP), PROGRAM NUMBER 5734-XM4,  
 ASSEMBLY LISTING MICROFICHE  
 GH20-4327 IBM SYSTEM/360 AND SYSTEM/370 MATRIX GENERATOR AND REPORT  
 WRITER (MGRW) SPECIFICATIONS - PROGRAM PRODUCT 5734-XMC  
 GH19-5041 IBM SYSTEM/360 AND SYSTEM/370 MATRIX GENERATOR AND REPORT  
 WRITER (MGRW) PROGRAM NO. 5734-XMC SPECIFICATIONS  
 GH19-5012 MATRIX GENERATOR AND REPORT WRITER GENERAL INFORMATION  
 MANUAL - PROGRAM NUMBER 5734-XMC  
 GH19-5042 MATRIX GENERATOR AND REPORT WRITER (MGRW) PRIMER  
 PROGRAM PRODUCT 5734-XMC  
 GH12-5102 SYSTEM/360 AND SYSTEM/370 MATRIX SYSTEM (MATSYS) (OS AND  
 TSO) GENERAL INFORMATION MANUAL - PROGRAM PRODUCT 5734-XM7  
 SH12-5403 MATRIX SYSTEM (MATSYS) (OS AND TSO) - PROGRAM REFERENCE  
 MANUAL - PROGRAM NUMBER 5734-XM7  
 SH12-5505 SYSTEM/360 AND SYSTEM/370 MATRIX SYSTEM (MATSYS) (OS AND  
 TSO) - OPERATIONS MANUAL - PROGRAM PRODUCT 5734-XM7  
 LY12-5002 MATRIX SYSTEM MATRIX LOGIC MANUAL - PROGRAM PRODUCT 5734-XM7  
 GH20-4109 PROCEDURE LIBRARY-MATHEMATICS (PL-MATH)  
 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-XM3  
 GH20-0854 PROCEDURE LIBRARY-MATHEMATICS (PL-MATH)  
 GENERAL INFORMATION MANUAL,  
 PROGRAM NUMBER 5734-XM3  
 SH20-0985 PROCEDURE LIBRARY - MATHEMATICS (PL-MATH)  
 PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM3  
 SH20-0988 PROCEDURE LIBRARY - MATHEMATICS (PL-MATH)  
 OPERATIONS MANUAL, PROGRAM NUMBER 5734-XM3  
 \*\*GH20-4424 PROCEDURE LIBRARY - MATHEMATICS (PL-MATH), FUNCTIONAL  
 DESCRIPTION - PROG. PROD. 5734-XM3  
 LY20-0671 PROCEDURE LIBRARY - MATHEMATICS (PL-MATH) SYSTEM MANUAL  
 PROGRAM NUMBER 5734-XM3 FEATURE NUMBER 8051  
 GH20-4146 IBM SYSTEM/360 AND SYSTEM/370 SUBROUTINE LIBRARY MATHEMATICS  
 (SL-MATH) SPECIFICATIONS - PROGRAM NUMBER 5736-XM7  
 GH12-5103 IBM SYSTEM/360 AND SYSTEM/370, IBM 1130 AND 1800 SUBROUTINE  
 LIBRARY-MATHEMATICS (SL-MATH) GENERAL INFORMATION MANUAL  
 PROG. NOS. 5736-XM7, 5711-XM2  
 LYA2-5203 IBM SYSTEM/360 AND SYSTEM/370 SUBROUTINE LIBRARY  
 MATHEMATICS - MICROFICHE LISTING - PROGRAM NUMBER 5736-XM7  
 GB21-0408 ZEROS AND INTEGRALS IN APL FDP AVAILABILITY NOTICE - PROGRAM  
 NUMBER 5798-AGJ  
 SB21-0409 ZEROS AND INTEGRALS IN APL FDP - PROGRAM  
 DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AGJ  
 LB21-0410 ZEROS AND INTEGRALS IN APL FDP - SYSTEMS GUIDE - PROGRAM  
 NUMBER 5798-AGJ

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GH20-0874 COMPUTER SYSTEM SIMULATOR II (CSS II)  
 GENERAL INFORMATION MANUAL, PROGRAM NUMBER 5734-XS5  
 SH20-0875 COMPUTER SYSTEM SIMULATOR II (CSS II)  
 PROGRAM DESCRIPTION AND OPERATIONS MANUAL  
 PROGRAM NUMBER 5734-XS5,  
 LY20-0661 COMPUTER SYSTEM SIMULATOR II (CSS II), SYSTEM MANUAL  
 PROGRAM NUMBER 5734-XS5, FEATURE CODE 8035  
 GH19-7000 CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) AND  
 GRAPHIC FEATURE (CSMP III GRAPHIC FEATURE) GENERAL  
 INFORMATION MANUAL - PROGRAM NUMBER 5734-XS9  
 GH20-4303 CONTINUOUS SYSTEM MODELING PROGRAM (CSMP III) PPS - PROGRAM  
 NUMBER 5734-XS9  
 SH19-7001 CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) PROGRAM  
 REFERENCE MANUAL - PROGRAM NUMBER 5734-XS9  
 SH19-7002 CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III)  
 OPERATIONS GUIDE - PROGRAM NUMBER 5734-XS9  
 LY19-7000 CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) LOGIC  
 MANUAL - PROGRAM NUMBER 5734-XS9, FEATURE NUMBER 8143  
 GH19-7010 GRAPHIC FEATURE FOR THE CONTINUOUS SYSTEM MODELING PROGRAM  
 III (CSMP III) - PROGRAM PRODUCT SPECIFICATIONS  
 PROGRAM NUMBER 5734-XS9  
 SH19-7003 CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC  
 FEATURE - PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XS9  
 SH19-7004 CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC  
 FEATURE OPERATIONS GUIDE - PROGRAM NUMBER 5734-XS9

LY19-7001 CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC  
FEATURE LOGIC MANUAL - PROGRAM NUMBER 5734-XS9  
FEATURE NUMBER 8144

GH20-0691 GENERAL PURPOSE SIMULATION SYSTEM/360 (OS AND DOS) VERSION 2  
APPLICATION DESCRIPTION, PROG. NOS. 5734-XS1 AND 5736-XS1

SH20-0693 GENERAL PURPOSE SIMULATION SYSTEM/360 OS AND DOS VERSION 2  
INTRODUCTORY USER'S MANUAL, PROG. NOS. 5734-XS1 AND 5736-XS1

SH20-0694 GENERAL PURPOSE SIMULATION SYSTEM/360 OS AND DOS VERSION 2  
USER'S MANUAL  
PROGRAM NUMBERS 5734-XS1 AND 5736-XS1

SH20-0692 GENERAL PURPOSE SIMULATION SYSTEM/360 OS VERSION 2  
OPERATOR'S MANUAL - PROGRAM NUMBER 5734-XS1

SH20-0698 GENERAL PURPOSE SIMULATION SYSTEM/360 DOS VERSION 2  
OPERATION MANUAL - PROGRAM NUMBER 5736-XS1

LY20-0475 GENERAL PURPOSE SIMULATION SYSTEM/360 OS: VERSION 2 -  
SYSTEM MANUAL PROGRAM NUMBER 5734-XS1 FEATURE CODE 8151

LY20-0483 GENERAL PURPOSE SIMULATION SYSTEM/360 DOS VERSION 2  
SYSTEM MANUAL  
PROGRAM NUMBER 5736-XS1 FEATURE CODE 8101

GH20-4035 GENERAL PURPOSE SIMULATION SYSTEM V-OS (GPSS V-OS)  
PROGRAM NUMBER 5734-XS2

GH20-4040 GENERAL PURPOSE SIMULATION SYSTEM V-DOS (GPSS V-DOS)  
PROGRAM NUMBER 5736-XS3

GH20-0825 GENERAL PURPOSE SIMULATION SYSTEM V (OS)  
APPLICATION DESCRIPTION MANUAL  
PROGRAM NUMBER 5734-XS2

GH20-0826 GENERAL PURPOSE SIMULATION SYSTEM V (DOS)  
APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-XS3

SH20-0866 GENERAL PURPOSE SIMULATION SYSTEM V INTRODUCTORY USER'S  
MANUAL, PROG. NOS. 5734-XS2 (OS) AND 5736-XS3 (DOS)

SH20-0851 GENERAL PURPOSE SIMULATION SYSTEM V USER'S MANUAL, PROG.  
NOS. 5734-XS2 (OS) AND 5736-XS3 (DOS)

SH20-0867 GENERAL PURPOSE SIMULATING SYSTEM V-OS  
(GPSS V-OS) OPERATIONS MANUAL PROGRAM NUMBER 5734-XS2

SH20-0868 GENERAL PURPOSE SIMULATION SYSTEM V - DOS (GPSS V - DOS)  
OPERATIONS MANUAL, PROGRAM NUMBER 5736-XS3

GX20-1828 GENERAL PURPOSE SIMULATION SYSTEM V REFERENCE SUMMARY: BLOCK  
STATEMENT FORMATS, PROG. NOS. 5734-XS2(OS) AND 5736-XS3(DOS)

GX20-1829 GENERAL PURPOSE SIMULATION SYSTEM V REFERENCE SUMMARY: CON-  
TROL STATEMENT FORMATS, STANDARD NUMERICAL ATTRIBUTES, AND  
SYSTEM OPTIONS - PROG. NOS. 5734-XS2(OS) AND 5736-XS3(DOS)

LY20-0596 GENERAL PURPOSE SIMULATION SYSTEM V-OS (GPSS V-OS)  
SYSTEM MANUAL, PROG. NO. 5734-XS2, FEATURE NO. 8046

LY20-0602 GENERAL PURPOSE SIMULATION SYSTEM V - DOS SYSTEM MANUAL,  
PROG. NO. 5736-XS3, FEATURE NO. 8049

GH19-5039 SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) - PROGRAM  
PRODUCT SPECIFICATIONS - PROGRAM PRODUCT 5734-XXB

GH19-5035 SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) - PROGRAM  
PRODUCT GENERAL INFORMATION MANUAL - PROGRAM NO. 5734-XXB

SH19-5060 SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) PROGRAM  
REFERENCE MANUAL - PROGRAM PRODUCT 5734-XXB

SH19-5038 SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) OPERATIONS GUIDE  
PROGRAM PRODUCT 5734-XXB

LY19-5037 SIMPL/I SIMULATION LANGUAGE BASED ON PL/I LOGIC MANUAL  
PROGRAM PRODUCT 5734-XXB

LYA9-5038 SIMULATION LANGUAGE BASED ON PL/1 (SIMPL/1) PROGRAM LOGIC  
MANUAL, VOL. II, FLOWCHARTS - PROGRAM NUMBER 5734-XXB

**TYPE II PROGRAMS (20-83)**

NOTE: The following Type II program publications are available  
under SLSS by order-number subscription only.

**24 COBOL**

GH20-0217 SYSTEM/360 COBOL EDIT ON THE 1401 PROGRAM REFERENCE MANUAL  
(1401-SE-13X)

**25 FORTRAN**

GH20-0492 SYSTEM/360 DECISION LOGIC TRANSLATOR  
APPLICATION DESCRIPTION  
PROGRAM NUMBER 360A-CX-32X

GH20-0572 SYSTEM/360 DECISION LOGIC TRANSLATOR (360A-CX-32X) PROGRAM  
DESCRIPTION MANUAL

GH20-0573 SYSTEM/360 DECISION LOGIC TRANSLATOR (360A-CX-32X)  
OPERATIONS MANUAL

GY20-0263 SYSTEM/360 DECISION LOGIC TRANSLATOR SYSTEM MANUAL  
PROGRAM NUMBER 360A-CX-32X

### 30 Access Methods, Data Management, I/O Control Programs

GH20-0165 COMMUNICATION CONTROL APPLICATION PROGRAM (360A-SC-01X)  
APPLICATION DESCRIPTION

GH20-0244 COMMUNICATIONS CONTROL APPLICATION PROGRAM (360A-SC-01X)  
PROGRAMMER'S MANUAL

GH20-0245 COMMUNICATIONS CONTROL APPLICATION PROGRAM (360A-SC-01X)  
(CCAP) OPERATOR'S MANUAL

GH20-0319 SYSTEM/360 DATA CONVERSION AND LABEL PROCESSING SUBROUTINES,  
VERSION 2 PROGRAM REFERENCE MANUAL (360A-SE-23X)

GH20-0535 PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS) OR  
IBM 1130 - APPLICATION DESCRIPTION MANUAL, PROG. NOS.  
1130-CX-33X AND 360A-CX-34X

GH20-0614 PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS)  
OR IBM 1130 PROGRAM DESCRIPTION MANUAL PROGRAM NUMBERS  
360A-CX-34X AND 1130-CX-33X

GH20-0615 PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS)  
OPERATIONS MANUAL PROGRAM NUMBER 360A-CX-34X

GY20-0394 PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS)  
SYSTEM MANUAL  
PROGRAM NUMBER 360A-CX-34X

GH20-0242 SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360  
APPLICATION DESCRIPTION  
PROGRAM NUMBER 360A-SE-33X

GH20-0349 SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360 USER'S  
MANUAL (360A-SE-33X)

GH20-0350 SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360  
OPERATOR'S MANUAL (360A-SE-33X)

GY20-0097 SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360  
SYSTEM MANUAL PROGRAM NUMBER 360A-SE-33X

GH20-0243 SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360  
APPLICATION DESCRIPTION

GH20-0346 SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360  
USER'S MANUAL (360A-SE-32X)

GH20-0347 SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360  
OPERATOR'S MANUAL (360A-SE-32X)

GY20-0096 SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360  
SYSTEM MANUAL PROGRAM NUMBER 360A-SE-32X

### 31 Support Programs

GH20-0490 PROBLEM LANGUAGE ANALYZER (PLAN) APPLICATION DESCRIPTION  
PROGRAM NUMBERS 1130-CX-25X 360A-CX-26X 360A-CX-27X

GH20-0626 PROBLEM LANGUAGE ANALYZER (PLAN) USERS' INTRODUCTION  
PROGRAM NUMBERS 1130-CX-25X, 360A-CX-26X AND 360A-CX-27X

GH20-0594 PROBLEM LANGUAGE ANALYZER (PLAN): PROGRAM DESCRIPTION MANUAL  
PROG. NOS. 1130-CX-25X AND 360A-CX-26X, -27X

GH20-1066 PROBLEM LANGUAGE ANALYZER (PLAN) PROGRAM REFERENCE MANUAL  
PROGRAM NUMBERS 1130-CX-25X, 360A-CX-27X

GH20-0596 SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (OS)  
OPERATIONS MANUAL - PROGRAM NUMBER 360A-CX-27X

GH20-0597 SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS)  
(360A-CX-26X) OPERATIONS MANUAL

GY20-0345 SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS/OS)  
VOLUME I - FLOWCHART NARRATIVES SYSTEM MANUAL  
PROGRAM NUMBERS 360A-CX-26X, 360A-CX-27X

GY20-0346 SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS/OS)  
VOLUME II - FLOWCHARTS SYSTEM MANUAL  
PROGRAM NUMBERS 360A-CX-26X, 360A-CX-27X

GY20-0350 SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS)  
VOLUME III - ASSEMBLY LISTINGS SYSTEM MANUAL  
PROGRAM NUMBER 360A-CX-26X

### 32 Utilities

GH20-0194 SYSTEM/360 DATA CONVERSION UTILITIES - APPLICATION  
DESCRIPTION PROGRAM NUMBERS, 360A-SE-15X, 360A-SE-20X,  
360A-SE-26X

GH20-0232 SYSTEM/360 DATA CONVERSION UTILITY I PROGRAMMER'S MANUAL  
(360A-SE-15X)

GH20-0233 SYSTEM/360 DATA CONVERSION UTILITY I OPERATOR'S MANUAL  
(360A-SE-15X)

GH20-0314 SYSTEM/360 DATA CONVERSION UTILITY II, VERSION 3  
(DIRECT ACCESS INDEXED SEQUENTIAL) - OPERATOR'S MANUAL  
(360A-SE-20X)

GY20-0067 SYSTEM/360 DATA CONVERSION UTILITIES II, VERSION 2  
(SEQUENTIAL, DIRECT ACCESS) SYSTEM MANUAL  
PROGRAM NUMBER 360A-SE-20X

GH20-0285 SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2  
PROGRAMMER'S MANUAL (360A-SE-26X)

GH20-0286 SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2  
OPERATOR'S MANUAL  
PROGRAM NUMBER 360A-SE-26X

GY20-0042 SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2 -  
SYSTEM MANUAL PROGRAM NUMBER 360A-SE-26X

38 Remote Job Entry

GH20-0545 SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX)  
(360A-CX-17X) VERSION 4 APPLICATION DESCRIPTION  
GH20-0354 SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX)  
(360A-CX-17X) VERSION 4 PROGRAM DESCRIPTION MANUAL  
GH20-0355 SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX)  
(360A-CX-17X) VERSION 3 OPERATIONS MANUAL  
GY20-0101 SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX)  
VERSION 3 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-17X

60 Industries - General

GH20-0522 DISTRIBUTION INDUSTRIES BIBLIOGRAPHY  
GC20-1747 EDUCATION INDUSTRY BIBLIOGRAPHY  
\*\*GC20-1769 FINANCE AND SECURITIES INDUSTRIES BIBLIOGRAPHY  
GH20-0536 INSURANCE INDUSTRY BIBLIOGRAPHY  
GH20-0531 MEDIA INDUSTRIES BIBLIOGRAPHY  
GH20-0970 MEDICAL INDUSTRIES BIBLIOGRAPHY  
GH20-0530 PUBLIC UTILITY INDUSTRIES BIBLIOGRAPHY  
GC20-1740 STATE AND LOCAL GOVERNMENT INDUSTRIES BIBLIOGRAPHY

63 Distribution

GE20-0188 RETAIL IMPACT (INVENTORY MANAGEMENT PROGRAM AND CONTROL  
TECHNIQUES): APPLICATION DESCRIPTION  
PROG. NOS. 360A-DR-04X,05X,08X,09X  
GH20-0480 IBM RETAIL IMPACT FASHION SYSTEM UNDER OPERATING SYSTEM/360  
(360A-DR-04X) - PROGRAM DESCRIPTION MANUAL  
GH20-0481 RETAIL IMPACT FASHION SYSTEM UNDER OPERATING SYSTEM/360  
(360A-DR-04X) - OPERATIONS MANUAL  
GH20-0540 RETAIL IMPACT FASHION SYSTEM UNDER DISK OPERATING SYSTEM/360  
(360A-DR-08X) PROGRAM DESCRIPTION MANUAL  
GH20-0541 RETAIL IMPACT FASHION SYSTEM UNDER DISK OPERATING SYSTEM/360  
(360A-DR-08X), OPERATIONS MANUAL  
GH20-0591 SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (OS)  
PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBER 360A-DR-05X  
GH20-0593 SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (OS)  
OPERATIONS MANUAL, PROG. NO. 360A-DR-05X  
GH20-0592 SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (DOS)  
OPERATIONS MANUAL - PROGRAM NUMBER 360A-DR-09X  
GH20-0599 SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (DOS)  
PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 360A-DR-09X  
GH20-0173 SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) -  
APPLICATION DESCRIPTION  
GH20-0256 SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) -  
OPERATOR'S MANUAL  
GH20-0255 SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) -  
USER'S MANUAL  
GY20-0230 SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY SYSTEM MANUAL  
PROG. NOS. 360A-DW-05X (ABOVE MOD 20), 360V-DW-06X (MOD 20)  
GE20-0306 1287 INPUT CONVERSION PROGRAM, APPLICATION DESCRIPTION  
PROGRAM NUMBER 360A-DR-07X  
GH20-0527 SYSTEM/360 1287 INPUT CONVERSION PROGRAM (360A-DR-07X)  
PROGRAM DESCRIPTION MANUAL  
GH20-0528 SYSTEM/360 1287 INPUT CONVERSION PROGRAM (360A-DR-07X)  
OPERATIONS MANUAL  
GY20-0209 SYSTEM/360 1287 INPUT CONVERSION PROGRAM  
SYSTEM MANUAL PROGRAM NUMBER 360A-DR-07X

64 Education, Libraries

GH20-0587 COURSEWRITER III FOR SYSTEM/360 VERSION 2 APPLICATION  
DESCRIPTION PROGRAM NUMBER 360A-UX-01X  
GH20-0720 COURSEWRITER III FOR SYSTEM/360 VERSION 2 OPERATOR'S GUIDE  
PROGRAM NUMBER 360A-UX-01X  
GH20-0609 COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X) VERSION 2  
AUTHOR'S GUIDE  
GX20-1781 IBM AUTHOR'S COURSEWRITER III REFERENCE CARD  
PROGRAM NUMBERS 360A-UX-01X, 5734-E12  
GH20-0608 COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X)  
STUDENT/MONITOR USER'S GUIDE VERSION 2  
GX20-1780 COURSEWRITER III SYSTEM STUDENT/MONITOR REFERENCE CARD  
PROGRAM NUMBERS 5734-E12 360A-UX-01X  
GH20-0610 COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X) VERSION 2  
SUPERVISOR'S GUIDE  
GX20-1782 IBM SUPERVISOR'S COURSEWRITER III REFERENCE CARD  
PROGRAM NUMBERS 5734-E12, 360A-UX-01X



GY20-0372 COURSEWRITER III FOR SYSTEM/360 VERSION 2 SYSTEM  
PROGRAMMER'S GUIDE PROGRAM NUMBER 360A-UX-01X  
GH20-0202 STUDENT SCHEDULING SYSTEM/360 APPLICATION DESCRIPTION  
PROGRAM NUMBERS 360A-US-06X, 360A-US-07X  
GH20-0220 STUDENT SCHEDULING SYSTEM/360 THE TALLY AND CONFLICT MATRIX  
PROGRAMS (360A-US-06X) USER'S MANUAL  
GH20-0239 STUDENT SCHEDULING SYSTEM/360 THE SCHEDULER PROGRAM  
(360A-US-07X) USER'S MANUAL  
GY20-0213 STUDENT SCHEDULING SYSTEM/360 THE SCHEDULER PROGRAM  
(360A-US-07X) SYSTEM MANUAL

65 Engineering (see also codes 72, 82 and 83)

GH20-0617 MECHANISM DESIGN SYSTEM-KINEMATICS PROGRAM DESCRIPTION  
MANUAL PROGRAM NOS. 1130-EM-03X, 360A-EM-04X AND 360A-EM-05X  
GH20-0618 MECHANISM DESIGN SYSTEM-KINEMATICS OPERATIONS MANUAL  
PROGRAM NOS. 1130-EM-03X, 360A-EM-04X AND 360A-EM-05X  
GY20-0364 SYSTEM/360 PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II)  
(OS) SYSTEM MANUAL-ASSEMBLY LISTINGS  
PROGRAM NUMBER 360A-EO-15X  
GY20-0365 SYSTEM/360 PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II)  
(DOS) SYSTEM MANUAL-ASSEMBLY LISTINGS  
PROGRAM NUMBER 360A-EO-16X

67 Finance, Securities, Real Estate

GE20-0246 SYSTEM/360 DEMAND DEPOSIT ACCOUNTING APPLICATION DESCRIPTION  
PROGRAM NUMBER 360A-FB-15X  
GH20-0263 SYSTEM/360 DEMAND DEPOSIT ACCOUNTING (360A-FB-15X)  
PROGRAMMER'S MANUAL  
GH20-0262 SYSTEM/360 DEMAND DEPOSIT ACCOUNTING (360A-FB-15X) -  
--OPERATOR'S MANUAL  
GH20-0149 SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING  
CAPABILITY (360A-FB-16X) APPLICATION DESCRIPTION  
GH20-0305 SYSTEM/360 ON LINE TELLER PROGRAM WITH BACKGROUND PROCESSING  
CAPABILITY (PROGRAM NUMBER 360A-FB-16X) PROGRAMMER'S MANUAL  
GH20-0325 SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING  
CAPABILITY (PROGRAM NUMBER 360A-FB-16X) OPERATOR'S MANUAL  
GY20-0071 SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING  
CAPABILITY SYSTEM'S MANUAL, PROGRAM NUMBER 360A-FB-16X  
GE20-0228 OPTIMUM BOND BIDDING - USER'S MANUAL  
PROGRAM NUMBER 360A-FI-06X  
GX20-1736 OPTIMUM BOND BIDDING WORKSHEET  
PROGRAM NUMBER 360A-FI-06X

71 Insurance

NOTE: The ALIS publications listed below apply to both Version 1  
(360A-IL-09X) and Version 2 (5736-N11). See "71 Insurance"  
in "Licensed Application Programs" for manuals applying to Version 2 alone.

GH20-0126 ADVANCED LIFE INFORMATION SYSTEM (DOS): APPLICATION  
DESCRIPTION MANUAL, PROG. NOS. 360A-IL-09X, 5736-N11  
GH20-0518 ADVANCED LIFE INFORMATION SYSTEM (DOS)  
PROGRAM DESCRIPTION MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
GH20-0519 ADVANCED LIFE INFORMATION SYSTEM (DOS)  
UTILITY PROGRAM DESCRIPTION MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
GH20-0517 ADVANCED LIFE INFORMATION SYSTEM (DOS)  
OPERATIONS MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
GH20-0588 ADVANCED LIFE INFORMATION SYSTEM (DOS): HOME OFFICE INQUIRY  
PROGRAM, TERMINAL OPERATIONS MANUAL, PROG. NOS. 360A-IL-09X,  
5736-N11  
GH20-0483 ADVANCED LIFE INFORMATION SYSTEM (DOS): POLICY MASTER RECORD  
CODE BOOK, PROG. NOS. 360A-IL-09X, 5736-N11  
GH20-0669 ADVANCED LIFE INFORMATION SYSTEM (DOS)  
ACCOUNTING CONTROL, SYSTEM MANUAL  
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11  
GH20-0645 ADVANCED LIFE INFORMATION SYSTEM (DOS)  
BATCH EDIT, SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
GH20-0650 ADVANCED LIFE INFORMATION SYSTEM (DOS)  
DATA CELL REORGANIZATION PROGRAM, POLICY MASTER RECORD MERGE  
PROGRAM, DATA CELL RECONSTRUCTION PROGRAM, AND DATA CELL  
RESTORE PROGRAM, SYSTEMS MANUAL  
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11  
GH20-0670 ADVANCED LIFE INFORMATION SYSTEM (DOS)  
ERROR REGISTER, SYSTEM MANUAL  
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11  
GH20-0661 ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE BILLING TRANSACTIONS SYSTEM MANUAL  
(PROGRAM NUMBER: VERSION 1-360A-IL-09X VERSION 2 - 5736-N11)

GH20-0653      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE CALL (S) ROUTINES (NARRATIVES),  
SYSTEM MANUAL  
PROGRAM NUMBERS 360A-IL-09X, 5736-N11

GH20-0654      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE CALL ROUTINES (S) (FLOWCHARTS),  
SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0664      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE CONTRACTUAL CHANGES AND NOTIFICATIONS,  
SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0658      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE FINANCIAL TRANSACTIONS ACCOUNTING ENTRIES,  
SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0651      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
ALIS -- FILE MAINTENANCE INCLUDE (R) ROUTINES (NARRATIVES),  
SYSTEM MANUAL - PROGRAM NUMBERS 360A-IL-09X AND 5736-N11

GH20-0652      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE INCLUDE (R) ROUTINES (FLOWCHARTS),  
SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0655      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE ISSUES, ADDITIONS, COMPLEX CHANGES, AND  
TERMINATIONS TRANSACTIONS, SYSTEM MANUAL  
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11

GH20-0662      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE PREMIUM DUE, OVERDUE, AND ANNIVERSARY  
PROCESSING TRANSACTIONS, SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0663      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE RATE FILE EXTRACT AND ANNIVERSARY EXTRACT  
UPDATE TRANSACTIONS, SYSTEM MANUAL  
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11

GH20-0649      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE RUN EXECUTIVE, SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0656      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE SIMPLE CHANGES TRANSACTIONS, SYSTEM MANUAL  
PROGRAM NUMBERS 5736-N11 AND 360A-IL-09X

GH20-0660      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE STATUS TRANSACTIONS - PROCESS AND QUOTE  
MISCELLANEOUS, LOAN VALUES, AND PARTICIPATION VALUES,  
SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0659      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE STATUS TRANSACTIONS - PROCESS AND QUOTE  
TERMINATIONS, SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0657      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE 36XX FINANCIAL TRANSACTIONS - PAYMENTS,  
SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0647      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FREQUENTLY USED RECORD FORMATS, SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0672      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
HOME OFFICE INQUIRY PROGRAM SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0646      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
ALIS -- INPUT EDIT, SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0648      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
MISCELLANEOUS VOLUME, SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0665      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
OUTPUT ANALYSIS, SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0668      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
POLICY ACCOUNTING JOURNAL, SYSTEM MANUAL  
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11

GH20-0671      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
RATE FILE, SYSTEM MANUAL  
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11

GH20-0667      ADVANCED LIFE INFORMATION SYSTEM STATUS PRINT, SYSTEM MANUAL  
(PROGRAM NUMBER: VERSION 1-360A-IL-09X VERSION 2 - 5736-N11)

GH20-0666      ADVANCED LIFE INFORMATION SYSTEM (DOS)  
TRANSACTION REGISTER, SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)

GH20-0283      PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS):  
APPLICATION DESCRIPTION, PROG. NOS. 5736-N21/22/24/25 AND  
360A-IF-10X/11X/13X

GH20-0501 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)  
PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBERS 360A-IF-10X, 360A-IF-11X, 360A-IF-13X,  
5736-N21

GH20-0498 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)  
BASIC PROGRAM (360A-IF-10X) OPERATIONS MANUAL

GH20-0497 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)  
BASIC PROGRAM (360A-IF-10X) PROGRAM DESCRIPTION AND  
SYSTEM MANUAL

GH20-0500 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)  
AUTOMOBILE CLAIMS PROCESSING (360A-IF-11X)  
PROGRAM DESCRIPTION AND SYSTEM MANUAL

GH20-0499 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)  
AUTOMOBILE PREMIUM PROCESSING PROGRAM DESCRIPTION AND  
SYSTEM MANUAL PROGRAM NUMBERS: 360A-IF-11X, 5736-N21

GH20-0504 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)  
OTHER LINES CLAIMS PROCESSING (360A-IF-13X)  
PROGRAM DESCRIPTION AND SYSTEM MANUAL

GH20-0503 PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)  
OTHER LINES PREMIUM PROCESSING (360A-IF-13X)  
PROGRAM DESCRIPTION AND SYSTEM MANUAL

72 Manufacturing

GH20-0523 SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL  
PROCESSOR APPLICATION DESCRIPTION  
PROGRAM NUMBER 360A-CN-12X

GH20-0557 SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR  
(360A-CN-12X) OPERATION'S MANUAL

GH20-0549 SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR  
(360A-CN-12X) PART PROGRAMMING MANUAL

GY20-0267 SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR  
(360A-CN-12X) SYSTEM MANUAL

GYB0-0348 SYSTEM/360 AD-APT/AUTOSPOT (OS)  
NUMERICAL CONTROL PROCESSOR: LISTINGS  
APPLICATION - PROGRAM NUMBER 360A-CN-12X

GH20-0181 SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSIONS 3 AND 4  
(360-CN-10X) APPLICATION DESCRIPTION

GH20-0331 SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR  
(360A-CN-10X) VERSION 4 OPERATIONS MANUAL

GH20-0309 SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSION 4  
PART PROGRAMMING MANUAL PROGRAM NUMBER 360A-CN-10X

GY20-0080 SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSION 4: SYSTEM  
MANUAL - FLOWCHARTS, PROG. NO. 360A-CN-10X

GY20-0227 SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR  
VERSION 4 SYSTEM MANUAL - FLOWCHARTS  
PROGRAM NUMBER 360A-CN-10X

GY20-0357 SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR  
VERSION 4 ASSEMBLY LISTINGS: SYSTEM MANUAL  
PROGRAM NUMBER 360A-CN-10X

GH20-0462 S/360 AUTOSPOT NUMERICAL CONTROL PROCESSOR: APPLICATION  
DESCRIPTION, PROG. NO. 360A-CN-08X

GH20-0463 SYSTEM/360 AD-APT/AUTOSPOT NUMERICAL CONTROL PROCESSOR  
(360A-CN-09X) APPLICATION DESCRIPTION

GH20-0374 S/360 AUTOSPOT (360A-CN-08X) AND AD-APT/AUTOSPOT  
(360A-CN-09X) NUMERICAL CONTROL PROCESSORS-VERSION 2  
OPERATOR'S MANUAL

GH20-0373 S/360 AUTOSPOT NUMERICAL CONTROL PROCESSOR VERSION 2:  
"PART" PROGRAMMING MANUAL - PROG. NO. 360A-CN-08X

GH20-0375 SYSTEM/360 AD-APT/AUTOSPOT NUMERICAL CONTROL PROCESSOR  
(360A-CN-09X) VERSION 2 PART PROGRAMMING MANUAL

GY20-0119 S/360 AUTOSPOT NUMERICAL CONTROL PROCESSOR: SYSTEM MANUAL,  
PROG. NO. 360A-CN-08X

GY20-0118 S/360 AD-APT/AUTOSPOT NUMERICAL CONTROL PROCESSOR: SYSTEM  
MANUAL, PROG. NO. 360A-CN-09X

GH20-0197 S/360 BILL OF MATERIAL PROCESSOR (360A-ME-06X)  
APPLICATION DESCRIPTION

GH20-0246 S/360 BILL OF MATERIAL PROCESSOR (360-ME-06X) VERSION 2  
PROGRAMMER'S MANUAL

GH20-0254 S/360 BILL OF MATERIAL PROCESSOR (360A-ME-06X) VERSION 2  
OPERATOR'S MANUAL

GY20-0099 SYSTEM/360 BILL OF MATERIAL PROCESSOR  
VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-ME-06X

GH20-0471 SYSTEM/360 INVENTORY CONTROL APPLICATION DESCRIPTION

GH20-0555 SYSTEM/360 INVENTORY CONTROL (360A-MF-04X) PROGRAM  
DESCRIPTION MANUAL

GH20-0556 SYSTEM/360 INVENTORY CONTROL (360A-MF-04X) OPERATIONS  
MANUAL

GY20-0256 SYSTEM/360 INVENTORY CONTROL SYSTEM MANUAL  
PROGRAM NUMBER 360A-MF-04X

GH20-0329 SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL PROGRAM  
APPLICATION DESCRIPTION  
PROGRAM NUMBERS 360A-ME-07X

GH20-0369 SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL PROGRAM  
(360A-ME-07X) PROGRAMMER'S MANUAL  
GH20-0370 SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL PROGRAM  
(360A-ME-07X) OPERATOR'S MANUAL  
GY20-0112 IBM SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL  
SYSTEMS MANUAL PROGRAM NUMBER 360A-ME-07X  
GH20-0487 SYSTEM/360 REQUIREMENTS PLANNING APPLICATION DESCRIPTION  
PROGRAM NUMBER 360A-MF-05X  
GH20-0584 SYSTEM/360 REQUIREMENTS PLANNING (360A-MF-05X) PROGRAM  
DESCRIPTION MANUAL  
GH20-0583 SYSTEM/360 REQUIREMENTS PLANNING (360A-MF-05X) OPERATIONS  
MANUAL  
GY20-0317 SYSTEM/360 REQUIREMENTS PLANNING  
SYSTEM MANUAL PROGRAM NUMBER 360A-MF-05X

73 Media (see also code 79)

GE20-0256 SYSTEM/360 TEXT PROCESSOR -- COMPOSITION/360,  
APPLICATION DESCRIPTION  
PROGRAM NUMBER 360A-DP-08X  
GH20-0585 SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360 (360A-DP-08X),  
PROGRAM DESCRIPTION MANUAL  
GH20-0579 SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360 (360A-DP-08X),  
OPERATIONS MANUAL  
GY20-0318 SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360  
VOLUME I - FLOWCHART NARRATIVES SYSTEM MANUAL  
PROGRAM NUMBER 360A-DP-08X  
GY20-0319 SYSTEM/360 TEXT PROCESSOR -- COMPOSITION/360  
VOLUME II -- FLOWCHARTS SYSTEM MANUAL  
PROGRAM NUMBER 360A-DP-08X  
GE20-0257 SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 APPLICATION  
DESCRIPTION, PROGRAM NUMBER 360A-DP-07X  
GH20-0525 SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 (360A-DP-07X),  
PROGRAM DESCRIPTION MANUAL  
GH20-0526 SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 (360A-DP-07X),  
OPERATIONS MANUAL  
GY20-0208 SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 SYSTEM MANUAL  
PROGRAM NUMBER 360A-DP-07X

74 Health

GY20-0153 MEDICAL INFORMATION SYSTEM PROGRAMS (MISP)  
APPLICATION DESCRIPTION MANUAL  
PROGRAM NUMBER 360A-UH-08L  
GY20-0154 MEDICAL INFORMATION SYSTEM PROGRAMS (MISP)  
PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBER 360A-UH-08L  
GH20-0697 MEDICAL INFORMATION SYSTEM PROGRAMS (MISP)  
PROGRAMMER'S MANUAL - PROGRAM NUMBER 360A-UH-08L  
GY20-0157 MEDICAL INFORMATION SYSTEM PROGRAMS (MISP)  
OPERATIONS MANUAL PROGRAM NUMBER 360A-UH-08L  
GH20-0302 SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS)  
VERSION 2 APPLICATION DESCRIPTION, PROG. NO. 360A-UH-11X  
GH20-0533 SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) (360A-UH-11X)  
PROGRAM DESCRIPTION MANUAL  
GH20-0534 SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) (360A-UH-11X)  
VERSION 2: OPERATIONS MANUAL  
G320-1028 SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) DIAGNOSTIC MESSAGES  
PROGRAM NUMBER 360A-UH-11X  
APPLICATION PROGRAM MANUAL  
G320-1030 SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) TERMINAL OPERATORS  
REFERENCE GUIDE - PROGRAM NUMBER 360A-UH-11X  
GX20-1788 CHARGE DESCRIPTION MASTER WORKSHEET  
PROGRAM NUMBERS 5736-H13, 360A-UH-11X  
GX20-1789 DOCTOR MASTER FILE - WORKSHEET  
PROGRAM NUMBERS 360A-UH-11X, 5736-H13  
GX20-1790 ROOM AND BED MASTER  
PROG. NOS. 5736-H13, 360A-UH-11X  
GY20-0215 SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) SYSTEM MANUAL  
PROGRAM NUMBER 360A-UH-11X

76 Public Utilities

GH20-0844 MANAGEMENT INFORMATION SYSTEM FOR PUBLIC UTILITIES  
WITH THE IBM SYSTEM/370  
GE20-0022 PUBLIC UTILITY CUSTOMER ACCOUNTING WITH THE IBM SYSTEM/360  
ONLINE COMMUNICATION SYSTEM

78 Transportation

GH20-0464 IBM SYSTEM/360 VEHICLE SCHEDULING PROGRAM (360A-ST-06X)  
APPLICATION DESCRIPTION

GH20-0506 SYSTEM/360 VEHICLE SCHEDULING PROGRAM (360A-ST-06X) PROGRAM  
DESCRIPTION AND OPERATIONS MANUAL  
GYB0-0492 SYSTEM/360 VEHICLE SCHEDULING PROGRAM (360A-ST-06X)  
LISTINGS - SYSTEM MANUAL  
GY20-0168 SYSTEM/360 VEHICLE SCHEDULING PROGRAM  
SCHEDULING PRODUCTION AND DISTANCE LISTING SYSTEM MANUAL  
PROGRAM NUMBER 360A-ST-06X

79 Cross-Industry (see also 81-83 for selections)

GH20-0297 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS)  
(360A-CX-19X) APPLICATION DESCRIPTION MANUAL  
GH20-0582 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS)  
(360A-CX-19X) PROGRAM DESCRIPTION MANUAL  
GH20-0590 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM - OS (ATS/OS)  
CONSOLE OPERATIONS MANUAL, PROG. NO. 360A-CX-19X  
G320-1002 ATS/360 - OS COMPUTER OPERATOR'S QUICK REFERENCE GUIDE  
PROGRAM NUMBER 360A-CX-19X  
GH20-0589 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS)  
(360A-CX-19X) TERMINAL OPERATIONS MANUAL  
G320-0956 ATS/360 TERMINAL OPERATOR'S QUICK REFERENCE GUIDE  
PROGRAM NUMBERS 360A-CX-18X, 360A-CX-19X  
GY20-0320 IBM SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS)  
SYSTEM MANUAL PROGRAM NUMBER 360A-CX-19X  
GH20-0510 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS)  
(360A-CX-18X) APPLICATION DESCRIPTION  
GH20-0508 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS)  
(360A-CX-18X) PROGRAM DESCRIPTION MANUAL  
GH20-0511 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS  
(ATS/DOS) (360A-CX-18X) COMPUTER CENTER OPERATOR'S  
MANUAL  
G320-0958 ATS/360 - DOS COMPUTER OPERATOR'S QUICK REFERENCE GUIDE  
PROGRAM NUMBER 360A-CX-18X  
GH20-0509 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS)  
(360A-CX-18X) TERMINAL OPERATOR'S MANUAL  
G320-0956 ATS/360 TERMINAL OPERATOR'S QUICK REFERENCE GUIDE  
PROGRAM NUMBERS 360A-CX-18X, 360A-CX-19X  
GY20-0174 SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS)  
SYSTEM MANUAL PROGRAM NUMBER 360A-CX-18X  
GH20-0315 IBM SYSTEM/360 DOCUMENT PROCESSING SYSTEM (360A-CX-12X)  
APPLICATION DESCRIPTION  
GH20-0477 IBM SYSTEM/360 DOCUMENT PROCESSING SYSTEM (360A-CX-12X)  
PROGRAM DESCRIPTION AND OPERATIONS MANUAL  
GY20-0143 IBM SYSTEM/360 DOCUMENT PROCESSING SYSTEM SYSTEM MANUAL  
PROGRAM NUMBER 360A-CX-12X  
GH20-0199 FLOWCHART - APPLICATION DESCRIPTION  
PROGRAM NUMBERS 360A-SE-22X  
GH20-0294 SYSTEM/360 FLOWCHART OPERATOR'S MANUAL  
PROGRAM NUMBER 360A-SE-22X  
GH20-0293 SYSTEM/360 FLOWCHART USER'S MANUAL (360A-SE-22X)  
GY20-0062 SYSTEM/360 FLOWCHART SYSTEM MANUAL  
PROGRAM NUMBER 360A-SE-22X  
GH20-0352 1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM - APPLICATION  
DESCRIPTION (360A-SE-19X)  
GY20-0105 1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM PROGRAMMER'S  
MANUAL PROGRAM NUMBER 360A-SE-19X  
GY20-0106 1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM OPERATOR'S  
MANUAL PROGRAM NUMBER 360A-SE-19X  
GY20-0124 1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM SYSTEM  
MANUAL PROGRAM NUMBER 360A-SE-19X

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GH20-0222 SYSTEM/360 PROJECT CONTROL SYSTEM (360A-CP-06X) VERSION 2  
APPLICATION DESCRIPTION  
GH20-0376 PROJECT CONTROL SYSTEM/360 (360A-CP-06X) VERSION 2  
PROGRAM DESCRIPTION AND OPERATIONS MANUAL  
GY20-0126 PROJECT CONTROL SYSTEM/360 VERSION 2 SYSTEM MANUAL  
PROGRAM NUMBER 360A-CP-06X  
GYB0-0304 PROJECT CONTROL SYSTEM/360 VERSION 2 MICROFICHE-LISTINGS  
PROGRAM NUMBER: 360A-CP-06X  
GH20-0210 PROJECT MANAGEMENT SYSTEM (360A-CP-04X) VERSION 2 FOR IBM  
SYSTEM/360 - APPLICATION DESCRIPTION  
GH20-0344 PROJECT MANAGEMENT SYSTEM/360 (360A-CP-04X) VERSION 2  
PROGRAM DESCRIPTION AND OPERATIONS MANUAL  
GY20-0084 PROJECT MANAGEMENT SYSTEM/360 VERSION 2  
COST PROCESSOR SYSTEM MANUAL  
PROGRAM NUMBER 360A-CP-04X  
GY20-0204 PROJECT MANAGEMENT SYSTEM/360 FLOWCHART  
SYSTEM MANUAL PROGRAM NUMBER 360A-CP-04X  
GY20-0083 PROJECT MANAGEMENT SYSTEM/360 VERSION 2  
NETWORK PROCESSOR SYSTEM MANUAL  
PROGRAM NUMBER 360A-CP-04X

GY20-0085 PROJECT MANAGEMENT SYSTEM VERSION 2, REPORT  
 PROCESSOR SYSTEM MANUAL  
 PROGRAM NUMBER 360A-CP-04X

82 Cross-Industry - Mathematics and Science

GE20-0350 A PREFACE TO LINEAR PROGRAMMING AND ITS APPLICATIONS  
 GH20-0513 LINEAR PROGRAMMING SYSTEM/360 (LPS/360)  
 (360A-CO-18X) APPLICATION DESCRIPTION  
 GH20-0607 LINEAR PROGRAMMING SYSTEM/360 (LPS/360) (360A-CO-18X)  
 PROGRAM DESCRIPTION MANUAL  
 GH20-0611 LINEAR PROGRAMMING SYSTEM/360 (LPS/360) (360A-CO-18X)  
 OPERATIONS MANUAL  
 GY20-0405 LINEAR PROGRAMMING SYSTEM/360 (LPS/360) SYSTEM MANUAL  
 PROGRAM NUMBER 360A-CO-18X  
 GYB0-0414 LINEAR PROGRAMMING SYSTEM/360 (LPS/360)  
 COMPILATION/ASSEMBLY LISTINGS MANUAL  
 MICROFICHE - PROGRAM NUMBER 360A-CO-18X  
 GH20-0496 MARVEL/360 (360A-CO-15X) PRIMER  
 GH20-0505 MARVEL/360 (360A-CO-15X) PROGRAM DESCRIPTION MANUAL  
 GY20-0205 MARVEL/360 SYSTEM MANUAL PROGRAM NUMBER 360A-CO-15X  
 GH20-0136 MATHEMATICAL PROGRAMMING SYSTEM/360 APPLICATION DESCRIPTION,  
 PROG. NOS. 360A-CO-14X (MPS/360), -15X (MARVEL), AND -20X  
 (MPSRG)  
 GH20-0290 MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) VERSION 2  
 CONTROL LANGUAGE USER'S MANUAL  
 GH20-0476 MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) LINEAR  
 AND SEPARABLE PROGRAMMING - USER'S MANUAL  
 GH20-0372 MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) VERSION 2  
 READ COMMUNICATIONS FORMAT (READCOMM)  
 PROGRAM REFERENCE MANUAL  
 GH20-0603 MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X)  
 MESSAGE MANUAL  
 GY20-0065 MATHEMATICAL PROGRAMMING SYSTEM/360 VERSION 2 SYSTEM MANUAL  
 PROGRAM NUMBER 360A-CO-14X  
 GY20-0353 MATHEMATICAL PROGRAMMING SYSTEM/360 VERSION 2  
 FLOWCHART SYSTEM MANUAL  
 PROGRAM NUMBER 360A-CO-14X  
 GH20-0560 MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR  
 (MPSRG) (360A-CO-20X) PROGRAM DESCRIPTION MANUAL  
 GH20-0561 MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR  
 (MPSRG) (360A-CO-20X) OPERATIONS MANUAL  
 GY20-0294 MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR  
 (MPSRG) SYSTEM MANUAL PROGRAM NUMBER 360A-CO-20X  
 GH20-0479 SYSTEM/360 MATRIX LANGUAGE (MATLAN) (360A-CM-05X)  
 APPLICATION DESCRIPTION  
 GH20-0564 SYSTEM/360 MATRIX LANGUAGE (MATLAN) (360A-CM-05X)  
 PROGRAM DESCRIPTION MANUAL  
 GH20-0559 SYSTEM/360 MATRIX LANGUAGE (MATLAN) (360A-CM-05X) OPERATIONS  
 MANUAL  
 GY20-0261 SYSTEM/360 MATRIX LANGUAGE (MATLAN)  
 SYSTEM MANUAL PROGRAM NUMBER 360A-CM-05X  
 GYB0-0347 SYSTEM/360 MATRIX LANGUAGE (MATLAN) LISTINGS,  
 PROGRAM NUMBER 360A-CM-05X  
 GH20-0166 SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (360A-CM-03X)  
 VERSION III APPLICATION DESCRIPTION  
 GH20-0205 SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (360A-CM-03X)  
 VERSION III PROGRAMMER'S MANUAL  
 GY20-0092 SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE  
 VERSION 3: SYSTEM MANUAL, PROG. NO. 360A-CM-03X  
 GH20-0544 SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (PL/I)  
 (360A-CM-07X) APPLICATION DESCRIPTION MANUAL  
 GH20-0586 SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (PL/I)  
 (360A-CM-07X) PROGRAM DESCRIPTION AND OPERATIONS MANUAL

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GH20-0240 SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM (360A-CX-16X)  
 APPLICATION DESCRIPTION  
 GH20-0367 SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM (360A-CX-16X)  
 USER'S MANUAL  
 GH20-0368 SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM (360A-CX-16X)  
 OPERATIONS MANUAL  
 GY20-0111 SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM  
 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-16X  
 GH20-0186 GENERAL PURPOSE SIMULATION SYSTEM/360 - APPLICATION  
 DESCRIPTION  
 PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X  
 GH20-0304 GENERAL PURPOSE SIMULATION SYSTEM/360  
 INTRODUCTORY USER'S MANUAL  
 PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X  
 GH20-0326 GENERAL PURPOSE SIMULATION SYSTEM/360 USER'S MANUAL

GH20-0311 GENERAL PURPOSE SIMULATION (360A-CS-17X) SYSTEM/360-OS -  
OPERATOR'S MANUAL  
GH20-0327 GENERAL PURPOSE SIMULATION SYSTEM/360, DISK OPERATING  
SYSTEM (360A-CS-19X) OPERATOR'S MANUAL  
GY20-0075 GENERAL PURPOSE SIMULATION SYSTEM/360 SYSTEM MANUAL  
PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X

**TYPE III PROGRAMS (20-40)**

NOTE: Publications on TYPE III Programs are available under  
SLSS by order number subscription only.

31 Support Programs

GH20-0759 CONVERSATIONAL PROGRAMMING SYSTEM (CPS)  
INSTALLATION AND ADMINISTRATION MANUAL  
GH20-1163 (CPS) CONVERSATIONAL PROGRAMMING SYSTEM BASIC TERMINAL  
USER'S MANUAL - PROGRAM NUMBER 360D-03.4-016  
GH20-0758 CONVERSATIONAL PROGRAMMING SYSTEM (CPS) TERMINAL USER'S  
MANUAL - PROGRAM NUMBER 360D-03.4-016  
GH20-0757 CONVERSATIONAL PROGRAMMING SYSTEM (CPS)  
SYSTEM PROGRAMMER'S GUIDE  
GY20-0504 IBM SYSTEM/360 CONVERSATIONAL PROGRAMMING SYSTEM (CPS):  
PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 360D-03.4.016  
GYB0-0517 CONVERSATIONAL PROGRAMMING SYSTEM (CPS) VERSION 5 LISTINGS  
PROGRAM NUMBER 360D-03.4.016  
GH20-0719 360 DOS POWER II APPLICATION DESCRIPTION MANUAL  
PROGRAM NUMBER 360D-05.2.006  
GH20-0737 IBM SYSTEM/360 DOS POWER II PROGRAM DESCRIPTION AND  
OPERATIONS MANUAL  
PROGRAM NUMBER 360D-05.2.006  
GY20-0575 IBM SYSTEM/360 DOS POWER II, SYSTEM MANUAL  
PROGRAM NUMBER 360D-05.2.006  
GYB0-0507 IBM SYSTEM/360 DOS POWER II: LISTINGS - MICROFICHE  
PROGRAM NUMBER 360D-05.2.006

32 Utilities

GYB0-0515 2495 UTILITY FOR OS/360 - LISTINGS  
PROGRAM NUMBER 360D-00.0.020

35 Emulation, Simulation

GY20-0597 COMPATIBILITY OPERATING SYSTEM FOR EMULATION  
OF IBM 1410/7010 DATA PROCESSING SYSTEMS  
OPERATING ON IBM SYSTEM/360 MODEL 50  
(COS/50) (360D-11.1.025) PROGRAM LOGIC MANUAL  
GYB0-0598 COMPATIBILITY OPERATING SYSTEM FOR EMULATION OF IBM  
1410/7010 DATA PROCESSING SYSTEMS OPERATING ON IBM  
SYSTEM/360 MODEL 50 (COS/50) (360D-11.1.025)  
LISTINGS

36 Control Program

GH20-0802 CONTROL PROGRAM-67 / CAMBRIDGE MONITOR SYSTEM (CP-67/CMS)  
SYSTEM DESCRIPTION MANUAL - PROGRAM NUMBER 360D-05.2.005  
GH20-0856 CP-67/CMS VERSION 3.1: CP-67 OPERATOR'S GUIDE, PROG. NO.  
360D-05.2.005  
G320-1973 CP-67/CMS VERSION 3.1: OPERATOR'S REFERENCE GUIDE (SUMMARY),  
PROG. NO. 360D-05.2.005  
GH20-0857 CP-67/CMS VERSION 3.1: INSTALLATION GUIDE, PROG. NO.  
360D-05.2.005  
GH20-0858 CONTROL PROGRAM - 67/CAMBRIDGE MONITOR SYSTEM (CP-67/CMS)  
HARDWARE MAINTAINABILITY GUIDE  
PROGRAM NUMBER 360D-05.2.005  
GH20-1029 CP-67/CMS VERSION 3.1: OPERATING SYSTEMS IN A VIRTUAL  
MACHINE, PROG. NO. 360D-05.2.005  
GH20-0859 CP-67/CMS VERSION 3.1: USER'S GUIDE, PROG. NO. 360D-05.2.005  
GH20-0860 CONTROL PROGRAM - 67/CAMBRIDGE MONITOR SYSTEM  
(CP-67/CMS) VERSION 3 CMS SCRIPT USER'S MANUAL  
GY20-0590 CP-67/CMS VERSION 3.1: CP-67 PROGRAM LOGIC MANUAL, PROG. NO.  
360D-05.2.005  
GY20-0591 CP-67/CMS VERSION 3.1: CMS PROGRAM LOGIC MANUAL, PROG. NO.  
360D-05.2.005  
GYB0-0592 CP-67/CMS CP67 LISTINGS - PROG. NO. 360D-05.2.005  
GYB0-0593 CP-67/CMS, CMS LISTINGS, PROGRAM NUMBER 360D-05.2.005  
GYB0-0789 CONTROL PROGRAM-67/CAMBRIDGE MONITOR SYSTEM (CP-67/CMX)  
VERSION 3.1 (COMPONENT RELEASE 1) 3420 MAGNETIC TAPE  
UNITS AND DUAL DENSITY SUPPORT - LISTINGS (MICROFICHE)  
PROGRAM NUMBER 360D-05.2.005  
GYB0-0512 HASP MICROFICHE LISTINGS - PROGRAM NUMBER 360D-05.1.014

### 38 Remote Job Entry

GYB0-0516	CONVERSATIONAL REMOTE BATCH ENTRY (CRBE) VERSION 2: MOD 8 LISTINGS PROGRAM NUMBER 360D-05.1.016
GH20-0743	IBM SYSTEM/360 DOS POWER II REMOTE JOB ENTRY PROGRAM APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 360D-05.2.006
GH20-0761	POWER II/RJE: PROGRAM DESCRIPTION AND OPERATIONS MANUAL, PROG. NO. 360D-05-2.006
GX20-1817	SYSTEM/360/370 DOS POWER II/RJE VERSION 4 REFERENCE SUMMARY, PROG. NO. 360D-05.2.006
GY20-0576	DOS POWER II/RJE SYSTEM MANUAL, PROG. NO. 360D-05.2.006
GYB0-0527	SYSTEM/360 DOS POWER II, VERSION 2, WITH REMOTE JOB ENTRY (RJE) - LISTINGS PROGRAM NUMBER 360D-05.2.006

### OTHER SUPPLEMENTARY INFORMATION (85-99)

#### 85 Data Processing - Introductory Manuals and Texts

GC20-1667	INTRODUCTION TO IBM SYSTEM/360 ARCHITECTURE
SC20-1646	A PROGRAMMER'S INTRODUCTION TO IBM SYSTEM/360 ASSEMBLER LANGUAGE
GF20-0012	PREPARING BRAILLE USING SYSTEM/360
**SR20-4438	CMS FOR PROGRAMMING - A PRIMER (STUDENT TEXT)
GC20-1706	COURSEWRITER III (VERSION 2) STUDENT TEXT, PROG. NO. 360A-UX-01X
GC20-1744	COURSEWRITER III, VERSION 3 STUDENT TEXT PROGRAM NUMBERS 5734-E13, 5736-E11
**GC20-1668	DATA COMMUNICATIONS PRIMER
GC20-8096	INTRODUCTION TO DATA MANAGEMENT STUDENT TEXT
GC20-1684	INTRODUCTION TO IBM DATA PROCESSING SYSTEMS
GC20-1699	DATA PROCESSING GLOSSARY
GC20-1649	INTRODUCTION TO IBM SYSTEM/360 DIRECT ACCESS STORAGE DEVICES AND ORGANIZATION METHODS
SC20-8092	SYSTEM/360 DOS OPERATION TRAINING MANUAL: STUDENT TEXT, COURSE CODE A3650
GB21-9949	IBM CUSTOMER INFORMATION FDP/IUP REFERENCE SUMMARY
G320-1621	IBM MARKETING PUBLICATIONS KWIC INDEX
G310-0012	IBM WORLD TRADE MARKETING PUBLICATIONS KWIC INDEX
GF20-0385	AN INTRODUCTION TO MICROPROGRAMMING
GC20-1618	NUMBER SYSTEMS - STUDENT TEXT
**GC20-1663	OS DEVELOPMENT SUPPORT LIBRARIES
SC20-1651	A GUIDE TO PL/I FOR COMMERCIAL PROGRAMMERS STUDENT TEXT
SC20-1637	A GUIDE TO PL/I FOR FORTRAN USERS
GF20-0015	INTRODUCTION TO THE LIST PROCESSING FACILITIES OF PL/I
GF20-0019	TECHNIQUES FOR PROCESSING POINTER LISTS AND LISTS OF LISTS IN PL/I
SC28-6808	A PL/I PRIMER
GF20-0020	TECHNIQUES FOR PROCESSING RELOCATABLE LISTS IN PL/I
GE20-0312	PREFACE TO PL/I PROGRAMMING IN SCIENTIFIC COMPUTING
GC20-8095	IBM SYSTEM/360 INTRODUCTION TO TELE-PROCESSING STUDENT TEXT
**SR20-4193	TSO COMMAND LANGUAGE FOR APPLICATION PROGRAMMERS - A PRIMER SELF-STUDY TEXT
**SR20-4194	TSO COMMAND LANGUAGE FOR ADMINISTRATIVE APPLICATIONS A PRIMER
GR20-4260	INTRODUCTION TO VIRTUAL STORAGE IN SYSTEM/370 STUDENT TEXT
GA32-0023	IBM 3803/3420 CUSTOMER CONVERSION GUIDE

#### 87 Education - Course Catalogs

G320-1244	CUSTOMER EDUCATION COURSE CATALOG
G520-2467	COURSE SELECTION GUIDE - DP EDUCATION FOR MANAGERS
G520-2326	IBM EDUCATION - A COURSE OF ACTION - SELF STUDY - COURSES AND STUDENT MATERIALS CATALOG

#### 89 Installation Forms and Supplies

GX28-6509	IBM SYSTEM/360 ASSEMBLER CODING FORM
GX28-6506	IBM SYSTEM/360 BASIC ASSEMBLER SHORT CODING FORM
GX28-6507	IBM SYSTEM/360 BASIC ASSEMBLER LONG CODING FORM
GX24-5046	IBM SYSTEM/360 ASSEMBLER CODING FORM, BPS/BOS/TOS/DOS DTFSR ENTRIES, CARD READ-PUNCH
GX24-5047	IBM SYSTEM/360 ASSEMBLER CODING FORM, BPS/BOS/TOS/DOS DTFSR ENTRIES, PRINTER AND PRINTER-KEYBOARD
GX24-5048	IBM SYSTEM/360 ASSEMBLER CODING FORM, BOS/DOS DTFSR ENTRIES, DISK
GX24-5055	IBM SYSTEM/360 ASSEMBLER CODING FORM, TOS/DOS
GX28-1464	COBOL CODING FORM
GX20-8020	FLOWCHARTING TEMPLATE
GX28-7327	FORTRAN CODING FORM



GX20-1761	MATHEMATICAL PROGRAMMING INPUT FORM SYSTEM/360 - 1130
GX24-3541	MULTIPLEXER CHANNEL WORKSHEET - SYSTEM/360 MODEL 25 CONFIGURATION A AND B
GX24-3407	IBM SYSTEM/360 MODEL 30 MULTIPLEXER CHANNEL WORKSHEET
GX20-1702	PROPORTIONAL RECORD LAYOUT FORM
GX20-1711	IBM SYSTEM/360 RECORD LAYOUT WORKSHEET
GX21-9093	RPG CALCULATION SPECIFICATIONS SHEET
GX21-9092	RPG CONTROL CARD AND FILE DESCRIPTION SPECIFICATIONS FORM
GX21-9129	RPG DEBUGGING TEMPLATE
GX21-9091	RPG EXTENSIONS AND LINE COUNTER SPECIFICATIONS SHEET
GX21-9094	RPG INPUT SPECIFICATIONS FORM
GX21-9090	RPG OUTPUT-FORMAT SPECIFICATIONS (FORM)
**GX24-3285	IBM 1030 DATA COLLECTION SYSTEM, IBM 1031 PROGRAM CHART
**GX24-3092	IBM 1050 DATA COMMUNICATIONS SYSTEM TRANSMISSION - LIMITED MAXIMUM-MESSAGE-RATE GRAPH PLANNING CHART, IBM 1050 DATA COMMUNICATION SYSTEM
**GX24-3124	IBM 1050 DATA COMMUNICATION SYSTEM,
**GX24-3139	OPERATOR INSTRUCTION SHEET
**GX21-9011	IBM 1062 PROGRAM TAPE LAYOUT SHEET
**GX21-9017	IBM 1062 TERMINAL RECORD TAPE, DOCUMENT FEED, PRINTER PLANNING CHART
GX24-3477	IBM 1400 COMPATIBILITY INITIALIZATION DECK SYSTEM/360 MODEL 30 CODING SHEETS 1 AND 2
GX24-3376	IBM 1052 KEY TABS: SYSTEM/360 MODEL 30, 1400 COMPATIBILITY
GX24-3448	IBM 1445 PRINTER SPACING CHART
GX27-2950	2250 DISPLAY LAYOUT SHEET
GX20-1751	IBM 2260 DISPLAY FORMAT
GX24-3406	IBM SYSTEM/360 MODEL 30 IBM 2702 WORKSHEET
GX27-2901	IMAGE PLANNING CHART - 2760 OPTICAL IMAGE UNIT, REGISTRATION PUNCHING ACME
GX27-2902	IMAGE PLANNING CHART - 2760 OPTICAL IMAGE UNIT REGISTRATION PUNCHING OXBERRY
GX27-2903	2760 LAYOUT GUIDE (REGISTRATION PUNCHING-ACME)
GX27-2904	2760 LAYOUT GUIDE (OXBERRY)
GX27-2905	IBM 2760 OPTICAL IMAGE LIMIT AUXILIARY SCREEN OVERLAY GUIDE
**GX27-2951	IBM 3270 INFORMATION DISPLAY SYSTEM LAYOUT SHEET
**GX21-9186	IBM 3740 JOB INSTRUCTIONS FORM
**GX21-9187	IBM 3740 SYSTEM PRINT CHART
**GX21-9185	IBM 3747 DATA CONVERTER RUN SHEET

**95 EWS (Early Warning System)**

NOTE: EWS, published on microfiche, contains information useful in program support and problem determination. Automatic updating is available through SLSS (order-number subscription only).

S2C0-0021	DOS/VS EARLY WARNING MICROFICHE
S2C0-0031	EARLY WARNING MICROFICHE - OS/VIRTUAL SYSTEM
S2C0-0051	MICROFICHE - EARLY WARNING 2025 AND LARGER FILE CARD
S2C0-0101	MICROFICHE - EARLY WARNING OPERATING SYSTEM OS FILE CARD
S2C0-0201	MICROFICHE - EARLY WARNING PROGRAMMING SYSTEM OTHER THAN OS FILE
S2C0-0301	MICROFICHE EARLY WARNING - PROGRAM PRODUCTS, CSP AND SCP
S2C0-3450	GENERAL PROGRAMMING INFORMATION - PROGRAM STATUS DOCUMENT

**97 PTF (Program Temporary Fix) Listings**

NOTE: PTF Listings are available under SLSS. To order, specify the bill-of-forms number corresponding to the program of interest.

SBOF-2250	PTF FOR OS/VS2
SBOF-6100	PTF PROGRAM NUMBER 360S-AL-531
SBOF-6103	PTF PROGRAM NUMBER 360S-AS-037
SBOF-6106	PTF PROGRAM NUMBER 360S-CB-524
SBOF-6109	PTF PROGRAM NUMBER 360S-CB-545
SBOF-6110	PTF PROGRAM NUMBER 360S-CI-505
SBOF-6113	PTF PROGRAM NUMBER 360S-CI-535
SBOF-6116	PTF PROGRAM NUMBER 360S-CI-555
SBOF-6119	PTF PROGRAM NUMBER 360S-CO-503
SBOF-6122	PTF PROGRAM NUMBER 360S-CQ-513
SBOF-6125	PTF PROGRAM NUMBER 360S-CQ-519
SBOF-6128	PTF PROGRAM NUMBER 360S-CQ-548
SBOF-6131	PTF PROGRAM NUMBER 360S-DM-508
SBOF-6137	PTF PROGRAM NUMBER 360S-DN-527
SBOF-6140	PTF PROGRAM NUMBER 360S-DN-533
SBOF-6143	PTF PROGRAM NUMBER 360S-DN-539
SBOF-6146	PTF PROGRAM NUMBER 360S-DN-554
SBOF-6149	PTF PROGRAM NUMBER 360S-ED-521
SBOF-6152	PTF PROGRAM NUMBER 360S-FO-500
SBOF-6155	PTF PROGRAM NUMBER 360S-FO-520

SBOF-6158	PTF PROGRAM NUMBER 360S-FO-550
SBOF-6161	PTF PROGRAM NUMBER 360S-IO-523
SBOF-6164	PTF PROGRAM NUMBER 360S-IO-526
SBOF-6167	PTF PROGRAM NUMBER 360S-LD-547
SBOF-6170	PTF PROGRAM NUMBER 360S-LM-501
SBOF-6173	PTF PROGRAM NUMBER 360S-LM-512
SBOF-6176	PTF PROGRAM NUMBER 360S-LM-525
SBOF-6179	PTF PROGRAM NUMBER 360S-LM-532
SBOF-6182	PTF PROGRAM NUMBER 360S-LM-537
SBOF-6185	PTF PROGRAM NUMBER 360S-LM-542
SBOF-6188	PTF PROGRAM NUMBER 360S-LM-546
SBOF-6192	PTF PROGRAM NUMBER 360S-NL-511
SBOF-6195	PTF PROGRAM NUMBER 360S-PL-552
SBOF-6198	PTF PROGRAM NUMBER 360S-PT-516
SBOF-6201	PTF PROGRAM NUMBER 360S-RC-536
SBOF-6204	PTF PROGRAM NUMBER 360S-RC-541
SBOF-6207	PTF PROGRAM NUMBER 360S-RC-543
SBOF-6210	PTF PROGRAM NUMBER 360S-RC-551
SBOF-6213	PTF PROGRAM NUMBER 360S-RG-038
SBOF-6216	PTF PROGRAM NUMBER 360S-SM-023
SBOF-6219	PTF PROGRAM NUMBER 360S-UT-506
SBOF-6222	PTF MODULE GENERATION - OS
SBOF-6225	PTF SERVICE AIDS OS
SBOF-6230	PTF PROGRAM NUMBER 360N-AS-465
SBOF-6232	PTF PROGRAM NUMBER 360N-AS-466
SBOF-6234	PTF PROGRAM NUMBER 360N-CB-452
SBOF-6236	PTF PROGRAM NUMBER 360N-CB-468
SBOF-6238	PTF PROGRAM NUMBER 360N-CB-482
SBOF-6240	PTF PROGRAM NUMBER 360N-CL-453
SBOF-6242	PTF PROGRAM NUMBER 360N-CQ-469
SBOF-6244	PTF PROGRAM NUMBER 360N-CQ-470
SBOF-6248	PTF PROGRAM NUMBER 360N-DN-481
SBOF-6250	PTF PROGRAM NUMBER 360N-EU-484
SBOF-6252	PTF PROGRAM NUMBER 360N-EU-485
SBOF-6254	PTF PROGRAM NUMBER 360N-FO-451
SBOF-6256	PTF PROGRAM NUMBER 360N-FO-479
SBOF-6258	PTF PROGRAM NUMBER 360N-IO-454
SBOF-6260	PTF PROGRAM NUMBER 360N-IO-455
SBOF-6262	PTF PROGRAM NUMBER 360N-IO-456
SBOF-6264	PTF PROGRAM NUMBER 360N-IO-457
SBOF-6266	PTF PROGRAM NUMBER 360N-IO-458
SBOF-6268	PTF PROGRAM NUMBER 360N-IO-476
SBOF-6270	PTF PROGRAM NUMBER 360N-IO-477
SBOF-6272	PTF PROGRAM NUMBER 360N-IO-478
SBOF-6274	PTF PROGRAM NUMBER 360N-PL-464
SBOF-6276	PTF PROGRAM NUMBER 360N-PT-459
SBOF-6278	PTF PROGRAM NUMBER 360N-RG-460
SBOF-6280	PTF PROGRAM NUMBER 360N-SM-400
SBOF-6282	PTF PROGRAM NUMBER 360N-SM-450
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SBOF-6288	PTF PROGRAM NUMBER 360N-SV-474
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SBOF-6292	PTF PROGRAM NUMBER 360N-SV-486
SBOF-6294	PTF PROGRAM NUMBER 360N-SV-487
SBOF-6296	PTF PROGRAM NUMBER 360N-SV-488
SBOF-6298	PTF PROGRAM NUMBER 360N-UT-461
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SBOF-6304	PTF PROGRAM NUMBER 360N-UT-471
SBOF-6306	PTF PROGRAM NUMBER 360N-UT-472
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GJD1-1010	SYSTEM/360 OS PRIMARY CONTROL PROGRAMS - MICROFICHE LISTING PROGRAM NUMBERS 360S-CI-505/535/555/566
GJD1-1011	OPERATING SYSTEM/360 TIME SHARING OPTION PROGRAM LISTING (TSO) PROGRAM NUMBER 360S-CI-555
GJD1-1012	SYSTEM/360 OS MVT
GJD1-1013	SYSTEM/360 OS DATA MANAGEMENT MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DM-508
GJD1-1014	SYSTEM/360 OS BASIC DIRECT ACCESS METHOD MICROFICHE LISTING - PROGRAM NUMBER 360S-DM-509

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 GJD1-1016 SYSTEM/360 OS BTAM  
 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-CQ-513  
 GJD1-1017 SYSTEM/360 OS QTAM  
 MICROFICHE LISTING - PROGRAM NUMBER 360S-CQ-519  
 GJD1-1018 SYSTEM/360 OS OLTEP  
 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-533  
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 GJD1-1020 SYSTEM/360 OS ISAM  
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 GJD1-1021 SYSTEM/360 OS UTILITIES  
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 GJD1-1022 OPERATING SYSTEM/360 INDEPENDENT UTILITIES  
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 GJD1-1023 OPERATING SYSTEM/360 TELEPROCESSING  
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 MICROFICHE LISTING - PROGRAM NUMBER 360S-AL-531  
 GJD1-1026 SYSTEM/360 OS ALGOL LIBRARY  
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 GJD1-1030 MICROFICHE - SOURCE LISTING  
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 GJD1-1035 MICROFICHE - SOURCE LISTING  
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 GJD1-1040 SYSTEM/360 OS COBOL COMPILER-E  
 MICROFICHE LISTING - PROGRAM NUMBER 360S-CO-503  
 GJD1-1042 SYSTEM/360 OS ANS COBOL  
 MICROFICHE LISTING - PROGRAM NUMBER 360S-CB-545  
 GJD1-1043 SYSTEM/360 OS ANS COBOL LIBRARY  
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 GJD1-1045 SYSTEM/360 OS COBOL COMPILER-F  
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 GJD1-1048 SYSTEM/360 OS COBOL LIBRARY  
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 GJD1-1052 SYSTEM/360 OS FORTRAN G IV  
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 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-527  
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 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-539  
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 GJD1-1091 SYSTEM/360 OS GRAPHIC SUB-ROUTINE PROGRAM  
 MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LM-537  
 GJD1-1092 SYSTEM/360 OS SATELLITE GRAPHIC JOB PROCESS  
 MICROFICHE LISTING - PROGRAM NUMBER 360S-RC-543  
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GJD1-1098 SYSTEM/360 OPERATING SYSTEM RELEASE SUPPORT DOCUMENTATION  
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\*\*GJD1-1101 OS RELEASE 21.6/21/7 ICR POWER WARNING FEATURE  
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GJD1-1370 MICROFICHE - SOURCE LISTING  
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GJD1-1380 MICROFICHE - SOURCE LISTING  
SYSTEM/360 SIMULATOR 7080 360C-SI-551

GJD1-1390 MICROFICHE - SOURCE LISTING  
SYSTEM/360 SIMULATOR 7090/7094 360C-SI-750

GJD1-1400 MICROFICHE - SOURCE LISTING  
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GJD1-1410 MICROFICHE - SOURCE LISTING  
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GJD1-1420 IBM 7094 EMULATOR FOR THE SYSTEM/360 MODEL 85 UNDER OS/360  
MICROFICHE LISTINGS - PROGRAM NUMBER 360C-EU-734

GJD1-1480 IBM OPERATING SYSTEM/360 DOS EMULATOR PROGRAM FOR  
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GJD1-1500 MICROFICHE - SOURCE LISTING  
SYSTEM/360 EMULATOR (MODEL 50) 1410/7010 360C-EU-726

GJD1-1510 MICROFICHE - SOURCE LISTING  
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GJD1-1600 MICROFICHE - SOURCE LISTING  
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GJD1-1620 MICROFICHE - SOURCE LISTING  
SYSTEM/360 EMULATOR (MODEL 65) 7080 360C-EU-727

GJD1-1630 MICROFICHE - SOURCE LISTING  
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GJD1-1640 OPERATING SYSTEM 370/165 OS-7094 INTEGRATED EMULATOR  
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GJD1-1641 OS/360/370 OS/360 M16X/7074 EMULATOR LISTINGS -  
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GJD1-1642 7080 EMULATOR FOR SYSTEM/370 MODEL 165 UNDER OPERATING  
SYSTEM/360 - MICROFICHE LISTING - PROGRAM NUMBER 360C-EU-737

GJD1-1643 EMULATOR FOR 7074 ON S/370 MODEL 155 UNDER OS  
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GJD1-1700 MICROFICHE - SOURCE LISTING  
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GJD1-1720 MICROFICHE - SOURCE LISTING  
SYSTEM/360 MODEL 44 BASIC PROGRAMMING SUPPORT 360F-IO-613

GJD1-1740 MICROFICHE - SOURCE LISTING  
SYSTEM/360 MODEL 44 1620 SIMULATOR FOR 1620 360C-SI-755

GJD1-2000 MICROFICHE - SOURCE LISTING  
SYSTEM/360 BASIC PROGRAMMING SUPPORT (BPS)  
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GJD1-2010 MICROFICHE - SOURCE LISTING  
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GJD1-2012 MICROFICHE - SOURCE LISTING  
SYSTEM/360 BOS MACRO LISTINGS, PROGRAM NUMBERS 360B-CL-302,  
360B-IO-303, 360B-IO-304, 360B-IO-305  
360B-SU-023

GJD1-2020 MICROFICHE - SOURCE LISTING  
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GJD1-2032 SYSTEM/360 DISK OPERATING SYSTEM (360N) MACRO LISTINGS

GJD1-2035 SYSTEM/360 DISK OPERATING SYSTEM  
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GJD1-2036 SYSTEM/360 DISK OPERATING SYSTEM  
SORT/MERGE - DISK  
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-450

GJD1-2037 SYSTEM/360 DISK OPERATING SYSTEM  
BASIC FORTRAN IV  
MICROFICHE LISTING - PROGRAM NUMBER 360N-FO-451

GJD1-2038 SYSTEM/360 DISK OPERATING SYSTEM  
COBOL - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CB-452

GJD1-2039 SYSTEM/360 DISK OPERATING SYSTEM  
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MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CL-453

GJD1-2040 SYSTEM/360 DISK OPERATING SYSTEM  
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360N-IO-477, 360N-IO-478

GJD1-2042 MICROFICHE - SOURCE LISTING  
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GJD1-2043 SYSTEM/360 DISK OPERATING SYSTEM  
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GJD1-2046 SYSTEM/360 DISK OPERATING SYSTEM  
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MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-463

GJD1-2047 SYSTEM/360 DISK OPERATING SYSTEM  
PL/I - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-PL-464

GJD1-2048 SYSTEM/360 DISK OPERATING SYSTEM  
ASSEMBLER - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-AS-465

GJD1-2049 SYSTEM/360 DISK OPERATING SYSTEM  
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GJD1-2050 SYSTEM/360 DISK OPERATING SYSTEM  
BTAM - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CQ-479

GJD1-2052 SYSTEM/360 DISK OPERATING SYSTEM  
QTAM - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CQ-470

GJD1-2053 SYSTEM/360 DISK OPERATING SYSTEM  
MPS UTILITY MACROS  
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-471

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PROGRAM NUMBER 360N-UT-472

GJD1-2055 SYSTEM/360 DISK OPERATING SYSTEM  
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GJD1-2056 SYSTEM/360 DISK OPERATING SYSTEM  
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GJD1-2057 SYSTEM/360 DISK OPERATING SYSTEM RELEASE 26 OLTEP  
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GJD1-2058 SYSTEM/360 DISK OPERATING SYSTEM  
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MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-483

GJD1-2059 SYSTEM/360 DISK OPERATING SYSTEM - MICROFICHE LISTINGS -  
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GJD1-2060 SYSTEM/360 DISK OPERATING SYSTEM  
ANS COBOL - MICROFICHE LISTING - PROGRAM NUMBER 360N-CB-482

\*\*GJD1-2062 SYSTEM/360 DISK OPERATING SYSTEM  
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MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CV-489

GJD1-2063 DISK OPERATING SYTEM MODEL 155 EMULATOR  
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-EU-490

GJD1-2100 EMULATOR FOR 1401/1440/1460 ON THE SYSTEM/370 MODEL 155  
UNDER OS, MICROFICHE LISTING - PROGRAM NUMBER 360C-EU-735

GJD1-2150 EMULATOR FOR THE IBM 1410/7010 ON THE SYSTEM/370 MODEL 155  
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GJD1-4610 MICROFICHE - SOURCE LISTING  
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360C-CV-710

GJD1-4620 MICROFICHE - SOURCE LISTING  
SYSTEM/360 COBOL TO PL/I LANGUAGE CONVERSION PROGRAM  
360C-CV-712

GJD1-9000 MICROFICHE - SOURCE LISTING  
SYSTEM/360 USA STANDARD COBOL LANGUAGE CONVERSION PROGRAM  
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GJD1-9030 MICROFICHE - SOURCE LISTING  
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GJD2-4001 DOS/360 BTAM MICROFICHE LISTING - PROGRAM NUMBER 360N-CQ-469

GJD2-4100 IBM 3705 SYSTEM SUPPORT PACKAGE FOR OS - MICROFICHE LISTING  
PROG. NO. 360H-TX-035

GJD2-4101 IBM 3705 SYSTEM SUPPORT PACKAGE FOR DOS - MICROFICHE  
LISTING - PROGRAM NUMBER 360H-TX-036

GJD2-4102 3705 EMULATOR UNDER OS - MICROFICHE LISTING - PROGRAM NUMBER  
360H-TX-033

GJD2-4105 IBM 3705 NETWORK CONTROL PROGRAM  
3704/3705 SSP RELEASE 1.4 (360H-TX-035)

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GYB0-0508 IBM SYSTEM/360/370 ATTACHED SUPPORT PROCESSOR (ASP)  
VERSION 2 MICROFICHE, PROGRAM NUMBER 360A-CX-15X

GYB0-0538 CALL-OS VERSION 2 EXECUTIVE & UTILITY LISTINGS  
PROGRAM NUMBER 360A-CX-42X

GYB0-0540 CALL/360-OS (VERSION 1) BASIC ASSEMBLY LISTINGS  
PROGRAM NO. 360A-CX-44X (FE #030440)

GYB0-0541 CALL/360-OS (VERSION 1) FORTRAN ASSEMBLY LISTINGS  
PROG. NO. 360A-CX-46X (FE #030460)

GYB0-0542 CALL/360-OS (VERSION 1) PL/I ASSEMBLY LISTINGS  
PROGRAM NO. 360A-CX-45X (FE #030450)

GYB0-0854 IBM S/360, 370 ASYMMETRIC MULTIPROCESSING SYSTEM  
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PROGRAM NUMBER 360A-CX-15X

GYB0-0856 S/370 HASP II VERSION 4 MICROFICHE - PROGRAM NUMBER  
370H-TX-001

GYB0-8501 MICROFICHE FOR IBM SYSTEM/370 DISTRIBUTED SYSTEM - PROGRAM  
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\*\*SYC7-1117 SYSTEM/370 OS MULTIFONT PREPROCESSOR SUPPORT LISTINGS  
PROGRAM NUMBER 360A-TX-031

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GJD1-4601 MODEL 20 EMULATOR ON S/370 USING DOS (V4) - PROGRAM NUMBER  
370N-IC-002

GJD2-4002 370 DOS BTAM, MICROFICHE LISTING, PROG. NO. 370N-CQ-469

SYC7-1119 SYSTEM/370 DOS MULTIFONT PREPROCESSOR SUPPORT LISTINGS  
PROGRAM NUMBER 360A-TX-031

GYC7-1900 S/370 DISK OPERATING SYSTEM ASSEMBLER D ASSEMBLY LISTINGS  
PROGRAM NUMBER 370N-AS-465

GYC7-1901 SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY  
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GYC7-1902 DOS 27.1 DIRECT ACCESS METHOD, ASSEMBLY LISTINGS,  
PROG. NO. 370N-IO-454

GYC7-1903 DOS 27 SEQUENTIAL DISK IOCS MICROFICHE LISTINGS - PROGRAM  
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GYC7-1904 DOS 27 MAGNETIC TAPE IOCS MICROFICHE LISTINGS - PROGRAM  
NUMBER 370N-IO-456

GYC7-1905 DOS 27 ISFMS MICROFICHE LISTING - PROGRAM NUMBER 370N-IO-457

GYC7-1906 DOS-27 PAPER TAPE IOCS - MICROFICHE LISTINGS  
PROGRAM NUMBER 360N-IO-458

GYC7-1907 DOS 27 SYSTEM UTILITY PROGRAMS, 370N-UT-491 MICROFICHE  
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GYC7-1908 S/370 DISK OPERATING SYSTEM ENVIRONMENTAL RECORDING AND  
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GYC7-1909 S/370 DISK OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS  
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GYC7-1910 S/370 DISK OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS  
METHOD ASSEMBLY LISTINGS, PROGRAM NUMBER 370N-CQ-470

GYC7-1911 SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY  
LISTINGS 3735 TERMINAL SUPPORT - PROGRAM NUMBER 370N-CQ-493

GYC7-1912 SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY  
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GYC7-1913 S/370 DISK OPERATING SYSTEM SYSTEM/370 EMULATOR ASSEMBLY  
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GYC7-1914 SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY  
LISTINGS COMPILER I/O MODULES - PROGRAM NUMBER 370N-IO-476

GYC7-1915 S/370 DISK OPERATING SYSTEM MAGNETIC CHARACTER READER IOCS  
370N-IO-477

GYC7-1916 S/370 DISK OPERATING SYSTEM OPTICAL CHARACTER READER IOCS  
ASSEMBLY LISTINGS - PROGRAM NUMBER 370N-IO-478

GYC7-1917 SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY  
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PROGRAM NUMBER 360N-AS-466

GYC7-1919 DOS 27 COBOL D - MICROFICHE LISTING  
PROGRAM NUMBER 360N-CB-452

GYC7-1920 DOS 27 ANS COBOL - MICROFICHE LISTING  
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GYC7-1921 S/370 DISK OPERATING SYSTEM LANGUAGE CONVERSION PROGRAM  
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GYC7-1922 S/370 DISK OPERATING SYSTEM FORTRAN IV  
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GYC7-1923 DOS 27 FORTRAN LIBRARY SUB PROGRAM MICROFICHE LISTINGS  
PROGRAM NUMBER 360N-IM-480

GYC7-1924 S/370 DISK OPERATING SYSTEM PL/1 ASSEMBLY LISTINGS, PROGRAM  
NUMBER 360N-PL-464

GYC7-1925 DOS 27 DISK SORT/MERGE-MICROFICHE LISTINGS - PROGRAM  
NUMBER 360N-SM-450

GYC7-1926 S/370 DISK OPERATING SYSTEM MODULAR SORT/MERGE ASSEMBLY  
LISTINGS PROGRAM NUMBER 360N-SM-483

GYC7-1927 DOS 27 UTILITIES GROUP I - MICROFICHE LISTINGS - PROGRAM  
NUMBER 360N-UT-461

GYC7-1928 S/370 DISK OPERATING SYSTEM GROUP 2 UTILITIES TAPE  
360N-UT-462

GYC7-1930 DOS 27.1 UTILITIES GROUP 3 MICROFICHE LISTING - PROGRAM  
NUMBER 360N-UT-463

GYC7-1931 S/370 DISK OPERATING SYSTEM MPS UTILITY MACROS MICROFICHE  
ASSEMBLY LISTINGS, PROG. NO. 360N-UT-471

## Part 2. Abstracts

GA21

A19-0004. Additional operating information relating to Power On-Power Off, Channel Line Termination and Sort Mode Selection is provided.  
Manual, 42 pages

GA09-1600

IBM 3270 INFORMATION DISPLAY SYSTEM CUSTOM FEATURE DESCRIPTION: 129-3270 ATTACHMENT (RPO 8T0093)

This Custom Feature Description manual, GA09-1600, is a component description of the 129 3270 attachment with programming considerations and source for operator's reference. It is for use of executives, programmers and operators; also IBM FE and Marketing personnel.  
Manual

GA10-0018

5486 CARD SORTER OPERATOR'S GUIDE (IN SPANISH)

This manual describes the use of the IBM 5486 Card Sorter. The 96-column card, card coding and card handling, and the operation of the sorter are explained. Examples of the various types of sorting are presented. These examples are designed to help the user to understand what to do and how to do it. Therefore, it is not necessary to have previous knowledge of sorting to use this manual. Keys, lights, switches, and special features are discussed in appropriate sections.

The manual is written in Spanish.  
Product Manual, 42 pages

GA19-0004

IBM 1219 READER SORTER, MODEL 32  
IBM 1419 MAGNETIC CHARACTER READER, MODEL 32

This publication contains detailed information about the keys, lights, switches, mechanical features, and special features of the IBM 1219 Reader Sorter, Model 32 and the IBM 1419 Magnetic Character Reader, Model 32.

On-line and off-line data-flow and operating theory are fully discussed, with step-by-step procedures for each reader operation. Programming notes and error-correction routines are also covered in detail. It should be noted that, in the areas of on-line operation, error-recovery, and programming notes, this manual refers to the 1401 attachment only.

For additional information, readers are referred to the following publications: IBM 1401/1460 MISCELLANEOUS Input/Output Instructions, (GA24-3068) and IBM 1419 Magnetic Character Reader with IBM 1410 System, (GA22-0536). For information concerning the attachment of the IBM 1219/1419, Model 32 to the IBM System/360, Models 30 or 40, readers are referred to IBM 1419, MODEL 32 ATTACHED to IBM System/360 Model 30 or 40, (GA19-0023)  
Manual, 68 pages

GA19-0010

IBM 3944 DIAL TERMINAL

The IBM 3944 Dial Terminal is designed to be used as an input device to Audio Response Units through a telephone network.

The 7772 Audio Response Unit is an input/output unit of the IBM System/360 Models 30, 40, 50, 65, and 75, interfacing the computer and a telephone network. The Audio Response Unit provides, under program control, composed messages of spoken words in response to digital inquiries or input messages. Except for the use of digital language from the calling to the called line, communication between remote inquiry terminals and the Audio Response Unit is conducted in the same manner as an ordinary telephone call.  
Manual, 4 pages

GA19-0019

IBM SYSTEM/360 MODEL 30 1401/1440/1460 COMPATIBILITY FEATURE INVERTED PRINT EDIT AND STERLING SUB-FEATURES

This publication is a supplement to the source manual entitled IBM SYSTEM/360 MODEL 30, 1401/1440/1460 compatibility feature, (GA24-3255), and should be read in conjunction with it. The information contained herein is intended primarily for users in World Trade sterling countries.

This publication is limited to a description of (1) the use of the Comma and Decimal Point Inversion Sub-Feature; and (2) how sterling-currency applications can be processed with the Sterling-Currency Sub-Feature without conversion of existing 1400-series programs.

The reader is also referred to the IBM SYSTEM/360 MODEL 30, functional characteristics, (GA24-3231) for a description of the capabilities, functions, and operational characteristics of the System/360 Model 30; and to REFERENCE MANUAL, IBM 1401 DATA PROCESSING SYSTEM STERLING CURRENCY FEATURES, Form UK3-1401-0.  
the IBM System/360 Bibliography, (GA22-6822), Lists the associated reference publications.  
Manual, 2 pages

GA19-0023

IBM 1419 MODEL 32 ATTACHED TO IBM SYSTEM/360 MODEL 25, 30, 40, 50, AND 65

This publication is a supplement to IBM 1219 Reader Sorter, Model 32--IBM 1419 Magnetic Character Reader, Model 32, Form A19-0004 and should be read in conjunction with it.  
This publication is limited to certain additions to

GA19-0034

IBM 1275 OPTICAL READER SORTER FOR SYSTEM/360 AND SYSTEM/370

This publication describes the functional characteristics of the IBM 1275 Optical Reader Sorter and contains recommended programming techniques and complete operating instructions. The manual is intended primarily for systems analysts, programmers, and operators who are working in an OCR environment.

The 1275 Optical Reader Sorter reads either of two common types of optical character recognition (OCR) printing and sorts intermixed paper documents. Models 1 and 3 operate off-line; Models 2 and 4 can operate either on-line with an IBM System/360 Model 25, 30, 40, or 50, or with an IBM System/370 Model 135, 145, 155, or 165, or off-line.

For understanding the on-line operation of the 1275, the reader should be familiar with the Systems Reference Library, IBM System/360 Principles of Operation (GA22-6821).  
Systems Library, 116 pages

GA19-0036

PAPER AND PRINT QUALITY REQUIREMENTS FOR IBM 1270 AND 1275 OPTICAL READER SORTERS

This publication describes the quality of paper and print required for documents that are to be read by the IBM 1270 and 1275 Optical Reader Sorters. The manual is intended for those responsible for providing the documents and for those who plan and maintain the optical character recognition system.

The following topics are dealt with:

1. The mechanical and optical characteristics desired of the paper.
2. The sizes and conditions of documents.
3. The quality of the printing, and the printing devices that can be used to obtain this quality.
4. The procedures for manual, as well as machine, handling of the documents.

For information on the 1270 and 1275 Optical Reader Sorters, refer to Systems Reference Library (SRL) IBM SYSTEM/360 COMPONENT DESCRIPTION - IBM 1270 OPTICAL READER SORTER, Order No. GA19-0035 and IBM SYSTEM/360 COMPONENT DESCRIPTION - IBM 1275 OPTICAL READER SORTER, Order No. GA19-0035 and IBM SYSTEM/360 COMPONENT DESCRIPTION - IBM 1275 OPTICAL READER SORTER, Order No. GA19-0034. For information on the design of documents, refer to SRL FORM-DESIGN CONSIDERATIONS - SYSTEM PRINTERS, Order No. GA24-3488. For information on the IBM printing devices dealt with in the manual, refer to SRL IBM 1403 PRINTER COMPONENT DESCRIPTION, Order No. GA24-3073 and to the booklet IBM TYPING INSTRUCTIONS FOR OPTICAL CHARACTER RECOGNITION.  
Systems Reference Library Manual, 34 pages

GA19-0063

IBM 3600 FINANCE COMMUNICATION SYSTEM CONFIGURATOR

This manual shows all the units that compose the IBM 3600 Finance Controller Communication System. The manual contains the basic, specify, and special features of each unit (identified by name and feature number from the sales manual). Data required to prepare configurations is included. This document is intended primarily for marketing personnel and for customers.  
Manual, 24 pages

GA21-9001

IBM 1060 CONFIGURATOR

Sheet lists units that can be used in a 1060 System Configuration  
Configurator Sheet, 8 1/2 x 11, 2 sides

GA21-9010

IBM 1060 DATA COMMUNICATIONS SYSTEM INSTALLATION MANUAL - PHYSICAL PLANNING

This publication contains detailed information on physical planning for the IBM 1060 Data Communication System. Dimensions, weights, cable specifications, service clearances, physical information for each unit, and electrical and environmental requirements are included.  
Systems Reference Library Manual, 18 pages

GA21-9025

IBM 1442-N1 AND N2 COMPONENT DESCRIPTION AND OPERATING PROCEDURES - SRL MANUAL

This publication describes the operating principles, machine features, and operating procedures of the IBM 1442-N1 Card Read-Punch and the IBM 1442-N2 Card Punch. Also, it discusses in general the operation of these devices with IBM System/360.  
Manual, 20 pages

GA21-9026

IBM 2501 MODELS B1 AND B2 COMPONENT DESCRIPTION AND OPERATING PROCEDURES

This publication describes the operation of the IBM 2501 Card Reader Models B1 and B2 with IBM System/360 Models 30 and higher. Operating principles, system communication,

and operating procedures are presented.

This manual assumes that the reader is familiar with the operation of the IBM System/360, as described in the SRL publication, IBM SYSTEM/360 PRINCIPLES OF OPERATION, Order Number GA22-6821. Manual, 16 pages

## GA21-9027

IBM 2520-B1, B2, AND B3, COMPONENT DESCRIPTION AND OPERATING PROCEDURES - SRL MANUAL

This publication describes the IBM 2520 Card Read Punch Model B1 and the IBM 2520 Card Punch Models B2 and B3 with IBM System/360 Models 30 and above. Included are discussions of machine features and operating principles and procedures.

For information about attaching the 2520 to System/360 channels, see the publication IBM SYSTEM/360 CHANNEL characteristics and functional evaluation, (GA24-3411). Manual, 36 pages

## GA21-9028

IBM 357/1030/2790 BADGE SPECIFICATIONS

This publication provides the specifications for the manufacture of laminated and embossed badges for the IBM 357 and IBM 1030 Data Collection Systems and the IBM 2790 Data Communication System. Included in this publication are: dimensions, a material listing, suggested laminating procedures, quality control measures, and punched-hole registration-checking procedures.

Individual differences in manufacturing equipment may require some modification to time, temperature, and pressure specification; test badges should be manufactured and checked to provide a basis for possible modifications. SRL, 16 pages

## GA21-9031

IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES: 1231-N1 (OPTICAL MARK PAGE READER)

This publication is a reference manual for the IBM 1231 Optical Mark Page Reader, which serves as an input device (reading handwritten marks from sheets of paper) for IBM System/360 Models 25, 30, 40, and 50. The manual provides reference information about the 1231-N1, explaining 1231-N1 operation and its interaction with the system to which it is attached.

The principle audience for this publication will be IBM System/360 programmers, system analysts, supervisors, and operators. Others who will use the manual are forms designers, forms manufacturers, and input document printers.

Programmers, system analysts, and supervisors using this manual will need to be familiar with the system to which the 1231-N1 is attached.

Systems Reference Library Manual, 44 pages

## GA21-9033

IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES, IBM 2540 CARD READ PUNCH - SRL MANUAL

This publication explains the operating principles, procedures, and controls of the IBM 2540 Card Read Punch. Special features for the 2540 are also discussed. refer to the IBM 2821 Control Unit SRL (GA24-3312), for information concerning the commands, status and sense indicators, and other programming considerations that affect the 2540. For similar information about an IBM 2540 attached to an IBM System/360 through the integrated 2540 attachment feature, refer to IBM SYSTEM/360 MODEL 25 functional characteristics, (GA24-3510). Manual, 16 pages

## GA21-9041

IBM 1035 COMPONENT DESCRIPTION AND OPERATING PROCEDURES

This publication describes the IBM 1035 Badge Reader and its operation with other units of the IBM 1030 Data Collection System. Included are descriptions of the special features available for units of a 1030 system in which 1035's are used, and an explanation of system timings for badge-only operations.

Systems Reference Library Manual, 28 pages

## GA21-9050

IBM 2956 OPTICAL MARK/HOLE READER MODELS 2 AND 3 COMPONENT DESCRIPTION AND OPERATING PROCEDURES

This publication describes the IBM 2956 Optical Mark/Hole Reader and its operation with the IBM 2740 Communications Terminal. Included are descriptions of the 2956 operating principles, input forms design considerations, throughput timing, operator controls, and operating procedures.

Familiarity with 2740 operation, as described in the SRL manual, IBM 2740 COMMUNICATIONS TERMINAL, Form A24 3403, is a prerequisite to the use of this publication. Systems Reference Library Manual, 24 pages

## GA21-9064

IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES IBM 1287 OPTICAL READER

This publication describes the IBM 1287 Optical Reader and its features, operating principles and procedures, and operations with IBM System/360. The manual also contains detailed specifications for input documents and tapes, and for input data quality.

Systems Reference Library Manual, 92 pages

## GA21-9078

IBM 5486 CARD SORTER OPERATOR'S GUIDE

This manual describes the use of the IBM 5486 Card Sorter. The 96-Column Card, card coding, and card handling and the operation of the sorter are explained. Examples of the various types of sorting are presented. These examples are designed to help you fully understand what to do and how to do it. Therefore, it is not necessary to have previous knowledge of sorting to use this manual. Keys, lights, switches, and special features are discussed in appropriate sections.

Product Manual, 42 pages

## GA21-9081

IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 1288 OPTICAL PAGE READER MODEL 1

This publication is a reference manual for the IBM 1288 Optical Page Reader, which serves as an input device for the IBM System/360 Models 25, 30, 40, and 50. This manual, which is organized by function, discusses:

Interconnection between the 1288 and the processing unit.

Characters read by the 1288 and their data codes. Data transfer between the 1288 and the system. Programming information about 1288 control, status signals, and sense indications.

Optical Mark data recording and reading.

Operator controls for the 1288.

Operating procedures for the 1288 that are not application dependent.

Input document design and printing.

Special features for the 1288.

Input data printing.

The principle audience for this publication will be IBM System/360 programmers, system analysts, supervisors, and operators. Others who will use the manual are forms designers, forms manufacturers, and input document printers. Programmers, systems analysts, and supervisors using this manual will need to be familiar with the system to which the 1288 is attached.

Systems Reference Library Manual, 54 pages

## GA21-9124

IBM 3504 CARD READER/IBM 3505 CARD READER AND IBM 3525 CARD PUNCH SUBSYSTEM

This manual is a reference manual for programmers (assembler language level) and is an operator's guide. It discusses the IBM 3504 Card Reader Models A1 and A2 (natively attached).

This manual is an assembler level programmer's reference manual and an operator's guide. It describes the IBM 3504 Card Reader (an 80-column device that natively attaches to the IBM System/370), the IBM 3505 Card Reader (an 80-column device that attaches to a System/370 channel) and the IBM 3225 Card Punch (an 80-column device that attaches natively to either an IBM 3505 Card Reader or a System/370). These card devices and their interfaces with the system comprise subsystems that do much of the error logging and error recovery support usually provided by the system. The subsystem is buffered, channel overrun cannot occur, and data can be transferred to and from the subsystem in burst mode.

The manual contains information about instructions and commands error indications, conditions, and recovery procedures, a description of the devices, data about operator procedures and controls, and application hints. Manual, 136 pages

## GA21-9131

3741 DATA STATION OPERATOR'S GUIDE

This book gives a 3741 operator procedures for doing normal key entry operations. It is for people who are, or will be doing key entry jobs with a 3741. The operator's guide is to be used as a reference to find the necessary steps to perform a job.

Manual, 128 pages

## GA21-9136

3742 DUAL DATA STATION OPERATOR'S GUIDE

This book gives a 3742 operator procedures for doing normal key entry operations. It is for people who are, or will be doing key entry jobs with a 3742. The operator's guide is to be used as a reference to find the necessary steps to perform a job.

Manual, 120 pages

## GA21-9139

IBM 1287 OPTICAL READER MODEL 5: GENERAL INFORMATION

This manual contains introductory information about the 1287 Optical Reader Model 5 for programmers, system analysts, supervisors, and machine operators. To fully understand the content of this manual, readers should be familiar with other 1287 models. References to the 1287 SRL GA21-9064 are made throughout the manual where basic 1287 operations information is necessary to understand Model 5 functions.

General Information Manual, 16 pages



GA21-9143

IBM 3881 OPTICAL MARK READER MODELS 1 AND 2 REFERENCE MANUAL AND OPERATOR'S GUIDE

This manual describes the use of the 3881 Model 1 as an on-line reader, and the use of the 3881 as a reader that reads marks onto magnetic tape via an IBM Model 2 3410.

The manual provides customer management, analysts, and programmers with detailed information about the functions and capabilities of the 3881. It describes the format of 3881 forms, explains forms layout, and printing and ink specifications. It contains sections on marking the forms with pencil, preprinted marks, and IBM line printers. The manual describes how to control 3881 by means of the IBM 3881 Format Control Sheets and how to control on-line 3881s by System/370 commands (assembler level programming). An operator's guide section provides detailed information about lights, keys, error stops, and operating procedures.

Manual, 100 pages

GA21-9144

IBM 2596 CARD READ PUNCH PROGRAMMER'S REFERENCE MANUAL AND OPERATOR'S GUIDE - SYSTEMS REFERENCE LIBRARY

This manual describes the IBM 2596 Card Read Punch. The manual is intended for IBM System/360 or IBM System/370 systems analysts, programmers experienced in assembler language, and operators.

This manual describes the following:

- o General hardware characteristics of the 2596.
- o Commands, status bytes, sense bytes and timing considerations.
- o Keys, lights, and operating procedures.

Manual, 41 pages

GA21-9147

IBM 3886 OPTICAL CHARACTER READER MODEL I REFERENCE MANUAL

The IBM 3886 Optical Character Reader Reference Manual (MODEL I) contains operational capabilities and programming requirements for the 3886 Model I. The manual is written for customer management, systems analysts, and data processing equipment operators, familiar with data processing operations, but not necessarily with OCR devices or techniques.

Manual, 70 pages

GA21-9148

IBM 3886 OPTICAL CHARACTER READER INPUT DOCUMENT DESIGN GUIDE AND SPECIFICATIONS

The 3886 Document Design Guide contains detailed instructions and specifications for the preparation of acceptable input documents for the IBM 3886. The manual is written for systems analysts, forms design personnel, and forms manufacturers.

Manual, 45 pages

GA21-9150

IBM SYSTEM/360 AND SYSTEM/370 COMPONENT DESCRIPTION AND OPERATING PROCEDURES: IBM 1287 OPTICAL READER, MODEL 5

This publication is a reference manual for the IBM 1287 Optical Reader, Model 5, which serves as an input device for the IBM System/360 Models 22, 25, 30, 40, 50, 65, 65MP, 75, and when in 65 mode, 67; and IBM System/370 Models 135, 145, 155, and 165. This manual, which is organized by function, discusses:

- o Interconnection between the 1287 and the processing unit.
- o Characters read by the 1287 and their data codes.
- o Special features for the 1287.
- o Data transfer between the 1287 and the system.
- o Programming information about 1287 control, status signals, and sense indications.
- o Operator controls for the 1287.
- o Operating procedures for the 1287 that are not application dependent.
- o Input document design and printing.
- o Input data printing.

The principle audience for this publication will be IBM System/360 and IBM System/370 programmers, system analysts, supervisors, and operators. Others who will use the manual are forms designers, forms manufacturers, and input document printers. Programmers, systems analysts, and supervisors using this manual will need to be familiar with the system to which the 1287 is attached.

Manual, 92 pages

GA21-9152

IBM 3740 DATA ENTRY SYSTEM - SYSTEM SUMMARY AND INSTALLATION PLANNING

This manual is intended for customer executives, customer DP managers, key entry supervisors, and installation planning consultants. It should be used where general information about the system is required.

The manual contains descriptive information about the system and each unit. Discussions of available functions and features, information on the media, probable programming changes, and suggested operating procedures are included. Installation planning information is also part of this publication. In addition, a bibliography of applicable teleprocessing publications is included in the teleprocessing section.

Manual, 64 pages

GA21-9154

IBM 3886 OPTICAL CHARACTER READER MODEL 2 COMPONENT REFERENCE MANUAL

The IBM 3886 OCR Model 1 Component Reference Manual contains component description and operational capabilities of the 3886 Model 1. The manual is written for 3886 Mod 1 users, systems analysts, supervisors, and operators. Sections of the manual also contain information of interest to programmers.

Manual, 92 pages

GA21-9167

IBM SYSTEM/370: 5425 MULTI-FUNCTION CARD UNIT PROGRAMMER'S REFERENCE MANUAL AND OPERATOR'S GUIDE

This manual describes the IBM 5425 Multi-Function Card Unit, Models A1 and A2, which is a natively-attached 96-column card reader for IBM System/370. The manual will be of interest to IBM System/370 systems analysts, programmers experienced in assembler language, and operators.

Besides describing the devices, the manual describes the commands, status bytes, sense bytes, and timing considerations for the 5425, and describes keys, lights, and operating procedures.

Manual, 52 pages

GA21-9170

IBM 3747 DATA CONVERTER REFERENCE MANUAL & OPERATOR'S GUIDE

This guide gives operating instructions for the 3747 Data Converter. Also contains explanatory material needed for new operators. All message codes, their meanings, and required actions are also given.

Guide, 44 pages

GA21-9182

THE IBM DISKETTE FOR STANDARD DATA INTERCHANGE

The manual provides information about the IBM diskette (IBM Part Number 2305830) that is used by the IBM 3540, IBM 3741, IBM 3742, and IBM 3747.

Because it contains information about the general description, terminology, handling, shipping, and data format of the diskette, the manual will be of interest to most people being introduced to the diskette media for the first time.

Much of the information presented in this manual is not available in other publications. Therefore, the manual is a co-requisite to IBM 3540, 3741, 3742, and 3747 manuals.

Manual, 20 pages

GA21-9183

IBM 3741 DATA STATION REFERENCE MANUAL

This publication is a reference manual intended for installation supervisors, application personnel, system analysts, and system engineers who wish specific information on program coding, modes of operation, and operational considerations for the IBM 3741 Data Station.

The publication assumes that the reader is familiar with data entry techniques and is also familiar with the contents of the following manuals:

- o IBM 3740 Data Entry System Summary and Installation Planning, GA21-9152
- o IBM 3741 Data Station Operator's Guide, GA21-9131

Manual, 108 pages

GA21-9184

IBM 3742 DUAL DATA STATION REFERENCE MANUAL

This publication is a reference manual intended for installation supervisors, application personnel, system analysts, and system engineers who wish specific information on program coding, modes of operation, and operational considerations for the IBM 3742 Dual Data Station.

The publication assumes that the reader is familiar with data entry techniques and is also familiar with the contents of the following manuals:

- o IBM 3740 Data Entry System - System Summary and Installation Planning, GA21-9152
- o IBM 3742 Dual Data Station Operator's Guide, GA21-9136

Manual, 64 pages

GA21-9194

IBM 3741 MODELS 3 AND 4 PROGRAMMABLE WORK STATION PROGRAMMING REFERENCE MANUAL

This manual contains detailed reference material about Application Control Language (ACL) programming for the IBM 3741 Models 3-4. Information in the manual is intended to satisfy the requirements of ACL programmers and 3741 Model 3-4 operators.

Manual, 136 pages

GA21-9196

IBM 3741 MODELS 3 AND 4 PROGRAMMABLE WORK STATION GENERAL INFORMATION

This publication provides general information about the IBM 3741 Programmable Work Station. It describes the new functions of the work station and the Application Control Language which is used to control the work station. Examples of applications that can be used on the work station are also provided.

This publication is for company executives, system analysts, data processing managers, programmers, and

installation managers who wish general information about the IBM 3741 Programmable Work Station.  
Manual, 25 pages

A functional description of the various sections and features of the 2702  
Operational functions of the 2702  
IBM 2702 commands--both channel based and terminal control based  
Individual sections on 2702 Terminal Controls

GA21-9197

IBM 3540 DISKETTE INPUT/OUTPUT UNIT OPERATOR'S GUIDE AND PROGRAMMER'S REFERENCE MANUAL

This manual provides experienced assembler language and machine level programmers, systems analysts, and machine operators with reference information about the IBM 3540. The manual contains descriptions of IBM S/370 instructions and commands used to control the 3540. It provides them with error indications, conditions, and recovery procedures. It provides systems analysts and machine operators with a description of the 3540, its operator controls, and operator procedures.

Programmers using this manual should be familiar with the system to which the 3540 will be attached, and should understand the system interface characteristics.  
Manual, 56 pages

## Terminal Controls

IBM Terminal Control Type I  
IBM Terminal Control Type II  
World Trade Telegraph Terminal Control  
IBM Telegraph Terminal Control Type I  
IBM Telegraph Terminal Control Type II

Related literature is referenced by form number and briefly described in the IBM SYSTEM/360 BIBLIOGRAPHY, Form GA22-6822.  
Manual, 176 pages

GA22-6810

IBM SYSTEM/360 SYSTEM SUMMARY

This publication provides basic information about the IBM System/360, with the objective of helping readers to achieve a general understanding of this new data processing system and the interrelationships of its models and parts. Broad system concepts, basic and optional features, and specific input/output devices are briefly discussed.

It is assumed that the reader has a basic knowledge of data processing systems as in INTRODUCTION TO IBM DATA Processing Systems, Order Number GC20-1684.  
Systems Reference Library Manual, 120 pages

GA22-6864

IBM 2701 DATA ADAPTER UNIT COMPONENT DESCRIPTION

The IBM 2701 Data Adapter Unit Component Description is a reference manual describing the functions of the IBM 2701. The IBM 2701 permits an IBM System/360 or System/370 to communicate with a variety of remote terminals, devices, and stations.

This publication is designed to help the 2701 user, operator, and programmer to achieve efficient use of the 2701. Detailed descriptions are presented for:

- o The 2701 in the IBM System/360 and System/370 environment
- o Characteristics of the 2701 (including features)
- o Terminal adapter types: IBM Start/Stop Terminal Adapters, Telegraph Terminal Adapters, Parallel Data Adapter, Synchronous Transmit Receive (STR) Adapter, and Binary Synchronous Communications (BSC) Adapter
- o Programming considerations for the 2701
- o Line control sequences to and from the 2701 and attached terminals
- o Ending status and sense bit descriptions

The reader should have a knowledge of teleprocessing and be familiar with the principles of operation for the IBM System/360 or System/370. For detailed information about Binary Synchronous Communication, refer to General Information - Binary Synchronous Communications (GA27-3004). For detailed information about a specific terminal, refer to the appropriate publication for that terminal.  
Systems Reference Library Manual, 204 pages

GA22-6813

IBM SYSTEM/360 MODEL 40 CONFIGURATOR

Sheet shows all possible units that can be configured on the System/360 Model 40.  
Configurator, 8-1/2 x 11

GA22-6814

IBM SYSTEM/360 MODEL 50 CONFIGURATOR

Sheet shows all possible units can be configured on the System/360 Model 50.  
Configurator, 8 - 1/2 x 11

GA22-6821

IBM SYSTEM/360 PRINCIPLES OF OPERATION

This publication is the machine reference manual for the IBM System/360. It provides a direct, comprehensive description of the system structure; of the arithmetic, logical, branching, status switching, and input/output operations; and of the interruption system.

The reader is assumed to have a basic knowledge of data processing systems and to have read the IBM SYSTEM/360 System Summary, (GA22-6810) which describes the System, briefly and discusses the input/output devices available.  
Manual, 180 pages

GA22-6866

SYSTEM/360 COMPONENT DESCRIPTIONS: 2400-SERIES MAGNETIC TAPE UNITS, 2803/2804 TAPE CONTROLS, AND 2816 SWITCHING UNIT MODEL 1

This manual contains a comprehensive presentation of the characteristics, functions, and features of the IBM 2400 Series Magnetic Tape Units, 2803/2804 Tape Controls, and a general description of the IBM 2816 Model 1 Switching Unit. The 2400 series consists of the 2401, 2402, and 2420 Magnetic Tape Units, and 2403, 2404, and 2415 Magnetic Tape Units and Controls.

In most instances, operational descriptions are limited to the channel and command level. Operating functions and procedures common and fundamental to all I/O operations are described in IBM SYSTEM/360 PRINCIPLES OF OPERATION, Order Number GA22-6821.

Subjects covered include magnetic tape unit principles; keys and lights; tape load, unload, and cleaning procedures; status and sense information; magnetic tape handling; tape block and reel organization; and error recovery procedures.  
Manual, 70 pages

GA22-6823

SYSTEM/360 INPUT/OUTPUT CONFIGURATOR

This configurator deals with the input/output equipment attachable to IBM System/360 Models 25-91.

The presentation is arranged in two ways: by type of equipment (such as "direct access", "display", and "printers") and by machine number (such as 1052, 1403, and 7770). For each item of equipment, information is given concerning the way in which the item attaches to the system and the number of items that can be attached.  
Manual, 6 pages

GA22-6868

IBM SYSTEM/360 - COMPONENT DESCRIPTION, IBM 1827 DATA CONTROL UNIT

This publication contains the functional characteristics and operating information for the IBM 1827 Data Control Unit. Operations with the IBM System/360 Models 30, 40, 44, and 50 are described. The following IBM 1800 Data Acquisition and Control System Process I/O features are described; Digital Input, Digital Output, Analog Output, Analog Input, and Comparator.  
Systems Reference Library Manual, 40 pages

GA22-6828

IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 7340 MODEL 3 HYPERTAPE DRIVE

This publication describes the functions, operations, controls, and timings of the IBM 7340 Hypertape Drive Model 3, including the dynamics of 7340 reading and writing and details on the tape, tape cartridge, and optional automatic cartridge loader. In addition, all necessary details on the functions and operations of the IBM 2802 Hypertape Control are presented.

This manual provides information for customer systems personnel and is designed as a reference and guide in the training of operators, systems engineers, programmers, managers, and others who need a good general idea of how Hypertape operates within the System/360. It is an I/O adjunct to IBM System/360 Principles of Operation, (GA22-6821).  
Systems Reference Library Manual, 30 pages

GA22-6872

IBM 1827 DATA CONTROL UNIT - CONFIGURATOR

Chart lists all possible units that can be configured onto the 1827.  
Configurator Sheet, 25 x 11, 2 folds, 1 side

GA22-6846

IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2702 TRANSMISSION CONTROL

Information concerning the operation of an IBM 2702 in a System/360 based Teleprocessing operation is provided in this publication. It contains the following information:

A generalized description and advantages of the 2702 within a System/360-Teleprocessing activity

GA22-6874

IBM SYSTEM/360 MODEL 44 CONFIGURATOR

A schematic drawing shows the complete Model 44 Processor with all standard and optional features. Input/output devices are shown on form GA22-6823, and Data Communications Devices on form GA22-6824.  
Reference Card, 1 page

GA22-6875

IBM SYSTEM/360 MODEL 44 FUNCTIONAL CHARACTERISTICS  
This manual describes the system structure, features, instruction timings and formulas, channels, device addressing, and operator controls unique to System/360 Model 44.

It is assumed the reader has a knowledge of the System/360 as defined in the IBM SYSTEM/360 PRINCIPLES OF OPERATION, (GA22-6821) and the IBM System/360 System Summary, Order Number GA22-6810.  
Systems Reference Library Manual, 64 pages

GA22-6877

IBM SYSTEM/360 COMPONENT DESCRIPTIONS AND OPERATING PROCEDURES IBM 1052 PRINTER-KEYBOARD MODEL 7 WITH IBM 2150 CONSOLE

This publication describes the functional and operational characteristics of the IBM 1052 Printer-Keyboard Model 7 with the IBM 2150 CONSOLE.  
Systems Reference Library Manual, 22 pages

GA22-6881

IBM SYSTEM/360 MODEL 40 FUNCTIONAL CHARACTERISTICS

This manual presents the organization, characteristics, functions and features unique to the IBM System/360 Model 40. Major areas described are system structure, generalized information flow, standard and optional features, system control panel, instruction timings, and channel characteristics and functional evaluation.

It is assumed that the reader has a knowledge of the System/360 as defined in the IBM SYSTEM/360 PRINCIPLES OF OPERATION, (GA22-6821) and the IBM System Summary, Order Number GA22-6810.  
Systems Reference Library Manual, 142 pages

GA22-6884

IBM SYSTEM/360 MODEL 65 FUNCTIONAL CHARACTERISTICS

This manual presents the organization, characteristics, functions and features unique to the IBM System/360 Model 65. Major areas described are system structure, generalized information flow, standard and optional features, instruction timings, and the system control panel.

Descriptions of specific input/output devices used with the IBM System/360 Model 65 appear in separate publications. Configurations for the IBM 2065 Processing Unit and I/O devices are available.

It is assumed that the reader has a knowledge of the System/360 as defined in the IBM SYSTEM/360 PRINCIPLES OF OPERATION, (GA22-6821) and the IBM System/360 System Summary, Order Number GA22-6810.  
Systems Reference Library Manual, 44 pages

GA22-6887

SYSTEM/360 MODEL 65 CONFIGURATOR

Sheet shows all units that can be configured on the System/360 Model 65.  
Configurator, 1 sheet

GA22-6888

IBM SYSTEM/360 MODEL 75 CONFIGURATOR

Sheet shows all possible units that can be configured on the System/360 Model 75.  
Configurator Sheet, 8 1/2 x 11, one side

GA22-6889

IBM SYSTEM/360 MODEL 75 FUNCTIONAL CHARACTERISTICS

This manual presents the organization, characteristics, functions and features unique to the IBM System/360 Model 75. Major areas described are: system structure, generalized information flow, standard and optional features, instruction timings, and the system control panel.

Descriptions of specific input/output devices used with the IBM System/360 Model 75 appear in separate publications.

This manual assumes that the reader has a knowledge of System/360 as defined in the IBM SYSTEM/360 PRINCIPLES OF OPERATION, (GA22-6821) and the IBM System/360 System Summary, Order Number GA22-6810.  
Systems Reference Library Manual, 32 pages

GA22-6892

IBM SYSTEM/360 SPECIAL FEATURE CHANNEL-TO-CHANNEL ADAPTER

This manual describes the functions and operating characteristics of the channel-to-channel adapter in either multiple-processor or single-processor systems.

IBM System/360 input/output operations that are exclusive of device considerations are described in detail in the IBM SYSTEM/360 PRINCIPLES OF OPERATION, Form A22-6821.  
Systems Reference Library Manual, 16 pages

GA22-6895

IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2820 STORAGE CONTROL AND 2301 DRUM STORAGE

This publication contains reference information for the operation and programming of the IBM 2820 Storage Control and IBM 2301 Drum Storage. It also contains a brief description of the special features that are available for

use with the devices.

Systems Reference Library Manual, 44 pages

GA22-6898

IBM SYSTEM/360 MODEL 50 FUNCTIONAL CHARACTERISTICS

This manual presents the organization, characteristics, functions and features unique to the IBM System/360 Model 50. Major areas described are system structure, generalized information flow, standard and optional features, system control panel, instruction timings, channel characteristics, concurrent input/output capabilities, selector channel loading, multiplexer channel loading, and channel interference with the CPU.

It is assumed that the reader has a knowledge of the System/360 as defined in the IBM SYSTEM/360 PRINCIPLES OF OPERATION, Form A22-6821 and the IBM SYSTEM SUMMARY, Form A22-6810.

Systems Reference Library Manual, 98 pages

GA22-6900

DATA ACQUISITION SPECIAL FEATURES FOR THE IBM SYSTEM/360 MODEL 44

This publication provides information about the operation, control, and interface of three special features:

Direct Work  
Direct Data Channel  
Priority Interrupt

These features are particularly suitable for high-speed data acquisition and relatively complex control applications in the scientific fields.

Systems Reference Library Manual, 32 pages

GA22-6907

IBM SYSTEM/360 MODEL 91 FUNCTIONAL CHARACTERISTICS

This publication describes the organization and the functional characteristics of the IBM System/360 Model 91, an information-processing system designed for ultrahigh-speed, large-scale scientific and business applications.

The system components are described, and a detailed consideration is given to the functions of processor storage, the central processing unit, the input/output channels, and the operator-control and operator-intervention portions of the system control panel. In addition certain coding and timing considerations are discussed.

The reader is assumed to have a knowledge of information-processing systems and to have read the IBM System/360 Principles of Operation, (GA22-6821).  
Systems Reference Library Manual, 35 pages

GA22-6908

IBM SYSTEM/360 MODEL 50 OPERATING PROCEDURES

This manual describes operator procedures for an IBM 2050 Processing Unit, operating with or without an associated IBM 1052 Printer-Keyboard. The manual describes machine functions, machine procedures, program-oriented procedures, and operator-intervention procedures. An appendix of reference material and an index are also included.

The reader should also refer to the following SRL publications:

IBM System/360 Principles of Operation, (GA22-6821)  
IBM SYSTEM/360 MODEL 50 FUNCTIONAL CHARACTERISTICS, Order Number GA22-6898  
IBM SYSTEM/360 TAPE OPERATING SYSTEM OPERATING GUIDE, Order Number GC24-5021  
IBM SYSTEM/360 DISK OPERATING SYSTEM OPERATING GUIDE, Order Number GC24-5022  
IBM SYSTEM/360 OPERATING SYSTEM OPERATOR'S GUIDE, Order Number GC28-6540

(Of the three operating system publications listed above, at least the one applicable to the system in use should be read by the operator.)  
Systems Reference Library Manual, 96 pages

GA22-6909

IBM SYSTEM/360 MODEL 75 OPERATING PROCEDURES

This manual describes operator procedures for an IBM 2075 Processing Unit, operating with or without an associated IBM 1052 Printer-Keyboard. The manual describes system control panel machine functions, machine procedures, program-oriented procedures, and operator-intervention procedures. An appendix of reference material and an index are included.

The reader is assumed to have a knowledge of the following SRL publications:

IBM System/360 Principles of Operation, (GA22-6821)  
(sections on "System Structure" and "System Control Panel")

IBM SYSTEM/360 MODEL 75 FUNCTIONAL CHARACTERISTICS, Order Number (GA22-6889)  
IBM SYSTEM/360 TAPE OPERATING SYSTEM OPERATING GUIDE, Order Number GC24-5021  
IBM SYSTEM/360 DISK OPERATING SYSTEM OPERATING GUIDE, Order Number GC24-5022  
IBM SYSTEM/360 OPERATING SYSTEM OPERATOR'S GUIDE, Order Number GC28-6540  
Systems Reference Library Manual, 44 pages

GA22-6910

IBM SYSTEM/360 MODEL 44 OPERATING PROCEDURES

This manual describes operator procedures for an IBM 2044 Processing Unit, operating with its associated Control

Printer-Keyboard. The manual has sections devoted to system control panel machine functions, machine procedures, program-oriented procedures, operator-intervention procedures, and command examples, plus an appendix of reference material, and a complete index.

The reader should also refer to the following SRL publications:

- IBM System/360 Principles of Operation, (GA22-6821) (sections on System Structure and System Control Panel)
- IBM System/360 Model 44 functional characteristics, Order Number GA22-6875.
- IBM System/360 Model 44 PROGRAMMING SYSTEM, GUIDE TO System use, Order Number GC28-6812
- IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM OPERATOR'S Guide, Order Number GC28-6815
- Systems Reference Library Manual, 68 pages

## GA22-6911

IBM SYSTEM/360 MODEL 40 OPERATING PROCEDURES

This manual describes operator procedures for an IBM 2040 Processing Unit, operating with or without an associated IBM 1052 Printer-Keyboard. The manual describes the system control panel, system procedures, program-oriented procedures, operator-intervention procedures, and IPL procedures. An appendix of reference material and an index are also included. This manual is intended for the Model 40 system operator.

The reader is assumed to have a knowledge of information-processing systems and to have read the Operator's Guide for the operating system in use at this installation.

Systems Reference Library Manual, 112 pages

## GA22-6916

IBM SYSTEM/360 MODEL 85 FUNCTIONAL CHARACTERISTICS

This publication describes the organization and the functional characteristics of the IBM System/360 Model 85, an information-processing system designed for very high-speed, large-scale scientific and business applications.

The system components are described, and a detailed consideration is given to the functions of processor storage, the central processing unit, the input/output channels, and the operator-control and operator-intervention portions of the system control panel. In addition, certain coding and timing considerations are described.

Manual, 40 pages

## GA22-6920

IBM SYSTEM/360 MODEL 85 CONFIGURATOR

Sheet shows all units that can be configured on the System/360 Model 85.

Configurator Sheet, 2 pages

## GA22-6927

IBM SYSTEM/360 MODEL 85 OPERATING PROCEDURES

This manual describes operator procedures for an IBM 2085 Processing Unit, operating with or without an associated IBM Operator Console Feature. The manual describes machine functions, machine procedures, program-oriented procedures, and operator intervention procedures. In addition, appendices of reference material and an index are included.

The reader is assumed to have a knowledge of the following SRL publications:

- IBM System/360 Principles of Operation, (GA22-6821).
- IBM SYSTEM/360 MODEL 85 FUNCTIONAL CHARACTERISTICS, Order Number GA22-6916
- IBM SYSTEM/360 OPERATING SYSTEM OPERATOR'S GUIDE, Order Number GC28-6540

For information pertaining to the operation of units attachable to the System/360 Model 85, refer to the appropriate SRL publication. SRL publications that pertain to IBM System/360 and attachable units are abstracted and referenced by Order Number in IBM System/360 Bibliography, GA22-6822.

Systems Reference Library Manual, 88 pages

## GA22-6935

IBM SYSTEM/370 MODEL 165 FUNCTIONAL CHARACTERISTICS

This publication describes the organization and the functional characteristics of the IBM System/370 Model 165, an information-processing system designed for very high-speed, large-scale scientific and business applications.

The system components are described, and a detailed consideration is given to the functions of processor storage, the central processing unit, the input/output channels, and the operator-control and operator-intervention portions of the system control panel. In addition, certain coding and timing considerations are described.

The reader is assumed to have a knowledge of information-processing systems and to have an understanding of the System/360, as that system is described in the IBM SYSTEM/360 PRINCIPLES OF OPERATION, order No. GA22-6821. The IBM SYSTEM/370 PRINCIPLES OF OPERATION, GA22-7000, should be used in conjunction with the IBM SYSTEM/360 PRINCIPLES OF OPERATION.

Functional Characteristics Manual, 48 pages

## GA22-6942

IBM SYSTEM/370 MODEL 155 FUNCTIONAL CHARACTERISTICS

This publication describes the organization, functional characteristics, and features of the IBM System/370 Model 155. System components are described, and consideration is given to the central processing unit, main storage, input/output channels, and the operator control and operator intervention portions of the system control panel. Instruction timing information is also given.

This publication is intended for users and potential users of the Model 155. The reader is assumed to have a background knowledge of data processing systems.

Functional Characteristics Manual, 46 pages

## GA22-6943

IBM SYSTEM/360 AND SYSTEM/370 MODEL 195 FUNCTIONAL CHARACTERISTICS

This publication describes the organization and functional characteristics of the IBM System/360 Model 195, an information-processing system designed for ultrahigh-speed, large-scale scientific applications.

System components are described, and detailed consideration is given to the functions of processor storage, central processing unit, input/output channels, and operator-control and operator-intervention portions of the system control panel. Coding and timing considerations are discussed.

The reader is assumed to have a knowledge of information-processing systems and to have read the IBM System/360 Principles of Operation, Order Number GA22-6821.

Systems Reference Library Manual, 40 pages

## GA22-6944

IBM SYSTEM/360 AND SYSTEM/370 MODEL 195 CONFIGURATOR

Sheet shows all units that can be configured on the System/360, Model 195.

Configuration Sheet, 2 pages

## GA22-6951

IBM 50 MAGNETIC DATA INSCRIBER OPERATOR'S GUIDE

This manual for the IBM 50 Magnetic Data Inscrubber (MDI) has been prepared to satisfy the requirements of the operator. It contains descriptions, in text and illustrations, of all the possible operations. Included are a general description of the machine and its capabilities, procedures for readying the machine, and detailed descriptions of operations, recovery procedures, specific applications, special features, and available accessories.

Manual, 129 pages

## GA22-6954

IBM'S/360 & S/370 MODEL 195 OPERATING PROCEDURES

Provides procedures relative to operating the S/360 and S/370 Model 195. Manual is directed to those individuals who will be operating the Model 195.

Manual

## GA22-6955

IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION:709/7090/7094/7094 II COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165

This publication contains information about the IBM 7094 compatibility feature (#7119), which adds interpretive facilities to System/370 Model 165 for use by the IBM 7094 emulator program. The combination of the feature and the program (referred to as the 7094 emulator) allows execution on IBM System/370 Model 165 of programs written for the IBM 709, 7090, 7094, and 7094 II Data Processing Systems.

Systems Reference Library Manual, 52 pages

## GA22-6956

IBM SYSTEM/370 MODEL 165 CONFIGURATOR

Diagram of 3165 Processing Unit and attachable channels (no I/O units) showing capacities and all standard and special features.

Configurator Sheet, 1 page

## GA22-6957

IBM SYSTEM/370 MODEL 155 CONFIGURATOR

This sheet shows standard and optional features, main storage sizes by model, channel and sub-channel availability by model, and adapters required for console I/O units on the System/370 Model 155.

System Configurator, 1 sheet

## GA22-6958

IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION: 7070/7074 COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165

This publication contains information about the IBM 7070/7074 compatibility feature, which adds interpretive facilities to System/370 Model 165 for use by the IBM 7074 emulator program. The combination of the feature and the program (referred to as the 7074 emulator) allows execution on IBM System/370 Model 165 of programs written for the IBM 7070 and 7074 Data Processing Systems.

Systems Reference Library Manual, 36 pages

GA22-6962

IBM SYSTEM/370 MODEL 155 CHANNEL CHARACTERISTICS

This publication describes methods used to calculate System/370 Model 155 data handling capabilities that are dependent upon I/O-channel configurations and operations. Considerations of methods are also presented for priority attachment of I/O devices for maximum throughput.

Information related to specific I/O devices is contained in separate Systems Reference Library publications. These publications are listed by order number and briefly described in IBM System/360 Bibliography, GA22-6822.

This manual is intended for users at the system programmer level; it assumes a thorough background in I/O programming techniques.  
Systems Reference Library Manual, 52 pages

GA22-6963

IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION7080 COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165

This publication contains information about the IBM 7080 compatibility feature, which adds interpretive facilities to System/370 Model A65 for use by the IBM 7080 emulator program. The combination of the feature and the program (referred to as the 7080 emulator) allows execution on IBM System/370 Model 165 of programs written for the IBM 7080 Data Processing System.  
Systems Library Manual, 48 pages

GA22-6966

IBM SYSTEM/370 MODEL 155 OPERATING PROCEDURES

This manual describes operator procedures for an IBM System/370 Model 155. Machine coverage includes console indicators, switches, and keys; printer-keyboard; and operating procedures. The manual is intended for the Model 155 system operator. The reader is assumed to have a knowledge of information-processing systems and to have read the IBM SYSTEM/360 OPERATING SYSTEM: OPERATOR'S PROCEDURES, GC28-6692.  
Systems Library Manual, 40 pages

GA22-6969

IBM SYSTEM/370 MODEL 165 OPERATING PROCEDURES

This manual describes the manual operator procedures for an IBM System/370 Model 165. This material provides a guide to performing the procedures which cover the bulk of the operator's job in operating the Model 165. This publication is written for the working operator who has already received training in general computer operation. This book is prepared specifically for the Model 165 system operator; other models have their own manuals. covering the overall daily manual operation, this information includes System Procedures, Operator Intervention Procedures, How the System Works (control panels), and supplementary appendixes useful for operating this model. The reader is assumed to have read the IBM SYSTEM/360 OPERATING SYSTEM: OPERATOR'S PROCEDURES, GC28-6692.  
System Library Manual, 80 pages

GA22-6983

SYSTEM/370 SPECIAL FEATURE: CHANNEL-TO-CHANNEL ADAPTER

This publication provides a functional description of the SYSTEM/370 Channel-to-Channel Adapter. The System/370 and System/360 channel-to-channel adapters are alike in function and similar in operation. This manual describes all the functions of the System/360 adapter as provided in IBM System/360 Special Feature Channel-to-Channel Adapter, plus unique System/370 extensions. Reference information is included which pertains to the adapter's use, operation, and commands, and status data required for the assembly language programming.

The reader should possess a basic knowledge of data processing systems and, specifically, the IBM System/370. Such information can be found, for example, in the Introduction to IBM Data Processing Systems, GC20-1684, and in the IBM System/370 System Summary, GA22-7001.

This manual is directed to the user who needs a description of the adapter's function and operation, as well as to the systems programmer, systems engineer, or maintenance personnel who need reference information in the writing and maintenance of assembly language programs for the channel-to-channel adapter.  
Manual, 20 pages

GA22-7000

IBM SYSTEM/370 PRINCIPLES OF OPERATION

This publication provides, for reference purposes, a detailed definition of the machine functions performed by System/370. System/370, like System/360, consists of many models of general purpose computers, each of which can process both commercial and scientific data.

The manual describes each function to the level of detail that must be understood in order to prepare an assembly language program that relies on that function. It does not, however, describe the notation and conventions that must be employed in preparing such a program, for which the user must instead refer to the appropriate assembly language manual.

The information in this manual is provided principally for use by assembly language programmers, although anyone concerned with the functional details of System/370 will find it useful.

Because this manual is written as a reference document,

it should not be considered to be an introduction or a textbook for System/370. It assumes the user has a basic knowledge of data processing systems, and specifically, the System/370, such as can be derived from the Introduction to IBM Data Processing Systems, GC20-1684, and the IBM System/370 System Summary, GA22-7001.

The information presented in this manual is grouped into 14 chapters and several appendixes. The major topics presented include: Control, Dynamic Address Translation, Interruptions, Multiprocessing, System Control Instructions, General Instructions, Decimal Instructions, Floating Point Instructions, Machine-Check Handling, Input/Output Operations, and System Console.  
Manual, 318 pages

GA22-7001

IBM SYSTEM/370 SYSTEM SUMMARY

This publication is intended to provide basic information about IBM System/370, the data processing system based on IBM System/360 but extending beyond the capabilities of that system. The objective of this publication is to help readers achieve a general understanding of this data processing system and of the interrelationships of its components. Briefly discussed are the system concepts, features, individual models, programming systems, and attachable input/output devices of System/370.

A basic knowledge of data processing systems, such as that given in the INTRODUCTION TO IBM DATA PROCESSING SYSTEMS, GC20-1684, is assumed.

More detailed information about System/370 is available in IBM SYSTEM/370 PRINCIPLES OF OPERATION, GA22-7000, and the associated publication, IBM SYSTEM/360 PRINCIPLES OF OPERATION, GA22-6821. For more information about any individual System/370 model, see the functional characteristics manual for the model.  
System Summary, 121 pages

GA22-7002

SYSTEM/370 INPUT/OUTPUT CONFIGURATOR

This document highlights all of the Input/Output devices that can be configured on the system/370.  
Configurator, 8 pages

GA22-7010

SYSTEM/370 MODEL 168 FUNCTIONAL CHARACTERISTICS MANUAL

This publication provides management, programming, and operations personnel with information on the organization and functional characteristics of the IBM System/370 Model 168.

The manual first describes the highlights of the system, configurations, facilities, and features. It then presents a more in-depth description of the central processing unit, storage control unit, storage channels, functions, controls, indicators, and multiprocessing.

Details concerning programming and peripheral equipment are not given in this manual.

The reader is assumed to have an understanding of data processing systems including fundamental knowledge of IBM System/370 as defined in IBM System/370 Principles of Operation, GA22-7000.

operations personnel with information on the organization and functional characteristics of the IBM System/370 Model 168.

The manual first describes the highlights of the system, configurations, facilities, and features. It then presents a more in-depth description of the central processing unit, storage control unit, storage channels, functions, controls, indicators, and multiprocessing.

Details concerning programming and peripheral equipment are not given in this manual.

The reader is assumed to have an understanding of data processing systems including fundamental knowledge of IBM System/370 as defined in IBM System/370 Principles of Operation, GA22-7000.  
Manual, 46 pages

GA22-7011

IBM SYSTEM/370 MODEL 158 FUNCTIONAL CHARACTERISTICS

This manual describes the characteristics and features of the Model 158. It provides experienced management, programming and operations personnel with a fundamental understanding of this model. Knowledge of System/370 as provided in IBM System/370 Principles of Operation, GA22-7000 is required. Only information of particular concern to Model 158 users is covered in this manual -- which summarizes the processing unit and storage functions, followed by a description of the display console. A feature summary, a glossary and the index completes the manual.  
Manual, 22 pages

GA22-7012

IBM SYSTEM/370 MODEL 158 CHANNEL CHARACTERISTICS

This publication describes methods used to calculate System/370 Model 158 Data Handling Capabilities that are dependent on I/O channel configurations and operations. In addition, consideration is given to priority attachment of I/O devices for maximum throughput, and to calculating CPU interference caused by channel operations. This manual is intended for users having system programmer experience, and a thorough background in I/O programming techniques.  
Manual, 70 pages

GA22-7013

SYSTEM/370 MODEL 158 CONFIGURATOR

This chart is a graphic presentation of the System/370 Model 158 including all models of 3158 CPU, all I/O interface change, main storage capacities, standard facilities and all optional features.  
Chart

GA22-7014

SYSTEM/370 MODEL 168 CONFIGURATOR

This chart is a graphic presentation of the System/370 Model 168 including all models of the 3168, main storage capacities, standard facilities and all optional features.  
Chart

GA22-7016

IBM SYSTEM/370 MODEL 165 II DYNAMIC ADDRESS TRANSLATION FACILITY

This manual is a general description of the field installable Dynamic Address Translation (DAT) facility and also the ancillary functions which implement the feature. Management, computer operators, system engineers, service personnel, programmers, and computer science students should refer to IBM System/370 Model 165 Functional Characteristics, GA22-6935, for an overall picture of the system.  
Manual, 13 pages

GA22-7017

IBM SYSTEM/370 MODEL 155 II DYNAMIC ADDRESS TRANSLATION FACILITY

This publication describes the field-installable Dynamic Address Translation facility. It provides experienced management, programming and operations personnel with a fundamental understanding of this facility. For additional information concerning dynamic address translation, refer to IBM System/370 Principles of Operation, GA22-7000.  
Manual, 9 pages

GA24-0502

IBM 0101 ELECTRONIC STATISTICAL MACHINE

This reference manual contains a complete description of the operating features and methods of operation. It is divided into six sections.

Section	1	Operating Features
	2	Principles of Operation
	3	Typical Applications
	4	Operating Suggestions
	5	Control Panel Summary
	6	Timing Chart

Reference Manual, 88 pages

GA24-1029

IBM 1001 DATA TRANSMISSION SYSTEM

This reference publication describes the operation of the IBM 1001 Data Transmission System when transmitting over a communication line to an IBM 24 or 26 Card Punch, or an IBM 7770 or 7772 Audio Response Unit. A detailed description of the card reader, keyboard, and control keys is included. Operating procedures and applications are discussed.  
Product Reference Literature

GA24-1421

IBM 1412 MAGNETIC CHARACTER READER MODEL I

This reference publication contains detailed information about the keys, lights, switches, mechanical features, and special features of the IBM 1412 Magnetic Character Reader. On-line and off-line data-flow and operating theory are fully discussed with step-by-step procedures for each reader operation. Programming notes and error-correction routines are also covered in detail.  
Systems Reference Library Manual, 64 pages

GA24-1446

IBM 1404 PRINTER

The IBM 1404 Printer, an output unit for the IBM 1401 Data Processing System and the IBM System/360, Models 30, 40, and 50, is capable of printing either cut-card forms or continuous forms. This reference publication presents the functional and operational characteristics of the 1404, including the settings of the feed mechanism and the print unit. It also describes the read-compare special feature. Information on timing and on certain normal operating procedures is presented.  
Systems Reference Library Manual, 28 pages

GA24-1452

PRINT QUALITY CONSIDERATIONS IBM 1418 AND IBM 1428

This publication contains a detailed description of the print quality requirements of printing to be read by the IBM 1418 Optical Character Reader and the IBM 1428 Alphameric Optical Reader, and to be used as input to an IBM 1401 Data Processing System, IBM 1460 Data Processing System, and IBM System/360, Model 30. The use of print-quality measuring devices is fully explained with examples of the range of acceptable printing produced by the IBM 407 Accounting Machine, IBM 1403 Printer, IBM SELECTRIC Typewriter and IBM Electric Typewriter.

Systems Reference Library Manual, 40 pages

GA24-1473

IBM 1418 OPTICAL CHARACTER READER  
IBM 1428 ALPHAMERIC OPTICAL READER

This publication describes the operation of the IBM 1418 Optical Character Reader and the IBM 1428 Alphameric Optical Reader used as input devices to an IBM data processing system.

Included are a description of character and mark-reading capabilities, off-line sorting, document-design requirements, and examples of the range of acceptable print quality of the documents to be scanned by both machines. The use of the IBM 1418/1428 Document Design and PDS Timing Chart and the formulas for calculating document output and maximum character reading per document are also fully discussed as an aid in optimizing the design of documents to be read by both machines.  
Systems Reference Library Manual, 56 pages

GA24-1499

IBM 1219 READER SORTER IBM 1419 MAGNETIC CHARACTER READER

This publication describes the operating characteristics, controls, indicators, and features of the IBM 1219 Reader Sorter and the IBM 1419 Magnetic Character Reader. Operating theory and procedures are given for off-line operation of both machines and on-line operation of the IBM 1419 within the 1400 series and System/360.

Document handling and data flow are discussed fully, and step-by-step procedures and practical examples are given for each machine. Programming notes and error recovery procedures are also given.  
Systems Reference Library Manual, 96 pages

GA24-3018

IBM 1030 DATA COLLECTION SYSTEM

This reference publication discussed in detail the operating features, controls, and special features for the:

- IBM 1031 Input Station
  - Card Reader
  - Manual Entry Unit
  - Data Cartridge Reader
  - Badge Reader
- IBM 1032 Digital Time Unit
- IBM 1033 Printer
- IBM 1034 Card Punch
- IBM 1035 Badge Reader

These components provide on-line and off-line capabilities for this Tele-processing system. System timing calculations for the transmission line, for the IBM 1034 Card Punch, and for packed-card operation with the IBM 1034 are all fully discussed. Also included is a summary of system checking, and instructions for making wiring charts to be used at installation time.  
Systems Reference Library Manual, 72 pages

GA24-3020

IBM 1050 REFERENCE DIGEST

This publication is a summary of the capabilities, operating controls, special features, and physical characteristics of each component in the IBM 1050 Data Communication System. Items are listed alphabetically and a reference is made (by item) to the publication containing more detailed information on the subject.

If no publication is referenced, it indicates that all information on the subject is contained within this manual under the heading(s) specified. Refer to the preface in this manual for the titles and form numbers of publications referenced in the manual and other machine publications available for the 1050 System.  
Systems Reference Library Manual, 64 pages

GA24-3021

IBM 1030 DATA COLLECTION SYSTEM INSTALLATION MANUAL - PHYSICAL PLANNING

This publication contains pertinent, detailed information concerning installation of the IBM 1030 Data Collection System. Included are physical characteristics and electrical environmental requirements for each unit of the system. Typical system configurations with inter-unit and mainline cabling requirements are presented. Particular attention is devoted to those aspects of installation performed by the customer.

The following IBM publications are recommended for use with the Manual:

- IBM 1030 CONFIGURATOR, Form A24-3045
- PLANNING AND INSTALLATION OF A DATA COMMUNICATIONS SYSTEM, Form A24-3435

Systems Reference Library Manual, 24 pages

GA24-3022

IBM 1050 DATA COMMUNICATIONS SYSTEM INSTALLATION MANUAL, PHYSICAL PLANNING

This publication presents detailed information concerning the physical characteristics of the IBM 1050 Data Communications System. Included are environmental and electrical requirements and installation information for each unit of the system. Particular attention is devoted to those aspects of installation performed by the customer. Typical system configurations for the individual terminals and for private communication networks are presented.

This information is necessary for preparing the customer's premises for the actual installation of the equipment. Systems Reference Library Manual, 38 pages

GA24-3034

IBM 1060 DATA COMMUNICATIONS SYSTEM

Detailed information about the IBM 1061 Control Unit and the IBM 1061 Teller Terminal is contained in this publication. Features, functions, operator procedures, data flow, and programming; plus document design, special features, and communication-company equipment are discussed. Systems Reference Library Manual, 54 pages

GA24-3045

IBM 1030 CONFIGURATOR

Sheet provides list of units that can be configured in a 1030 system. Sheets used for planning customer system configuration. Configurator Sheets, 8 1/2 x 11, 8 pages

GA24-3073

IBM 1403 PRINTER COMPONENT DESCRIPTION

This reference publication for system planners, programmers, and operators describes the functions and operations of the IBM 1403 Printer. Special features available are described; timing information is presented; and print-quality requirements are set forth. The reader should be familiar, within his field of responsibility, with the system to which this printer is attached. For system and programming information, refer to publications listed in the bibliography for the system. Manual, 8-1/2 x 11 inches, 56 pages

GA24-3081

MARK READ STATION (SLANTED MARK) FOR IBM 1418 AND IBM 1428

This publication describes the Mark Read Station (Slanted Mark) special feature. This feature is available for the IBM 1418 Optical Character Reader, and for the IBM 1428 Alphameric Optical Reader. A description of these functional specifications is included:

- Document Specifications
- Mark Reading
- Document Format
- Document Corner Cuts
- Document Feeding

This publication is for those familiar with programming and operating the IBM 1418 and 1428, as described in these System Reference Library publications:

PROGRAMMING FOR THE IBM 1418 AND IBM 1428  
Optical Readers, Order Number GC24-1091  
IBM 1418 OPTICAL CHARACTER READER AND IBM 1428  
Alphameric Optical Reader, Order Number GA24-1473  
Systems Reference Library Manual, 12 pages

GA24-3090

IBM TELEPROCESSING SYSTEMS SUMMARY

This manual contains brief introductory descriptions of IBM teleprocessing units and systems. It provides an overview of these products primarily for executive and supervisory personnel involved in the decision making and planning of data processing systems.

Publications providing detailed information on these devices are listed at the end of each device description. They are also listed in the Systems Reference Library manuals, IBM Teleprocessing Bibliography, GA24-3089, and the IBM System/360 Bibliography, GA22-6822.

Information on IBM Line Adapters and common-carrier supplied communications facilities is contained in Appendix A. Appendix B is a summary of IBM System/360 programming support available for teleprocessing systems.

It is assumed that the reader of this manual has a basic familiarity with data processing systems and data communications concepts. Systems Reference Library

GA24-3120

IBM 1443 PRINTER MODELS 1 THROUGH 4 AND N1, AND 1445 PRINTER MODELS 1 AND N1: COMPONENT DESCRIPTION

This reference publication describes the operation of the IBM 1443 and 1445 Printers with the IBM 1240, 1401, 1440, 1450, 1460, 1800, and the IBM System/360 Data Processing System Models 25 through 85.

The manual discusses timing information for the printer and the tapecontrolled carriage, as well as their functional and operating characteristics. The speed of the printer using the various character sets is described. Also, included is command, status, and sense information for these printers used with the IBM System/360 Data Processing System. Manual, 36 pages

GA24-3125

IBM 1050 OPERATOR'S GUIDE

This publication is designed specifically for operating personnel using the IBM 1050 Data Communication System. It consists of five individual sections, with each section prepared as a complete stand-alone unit. The sections of this manual are:

Section 1. Introduction--Description of all system components including standard and special features.

Section 2. System and Component Controls--Detailed description of all controls and indicators for each component of the system.

Section 3. Operator Procedures--Step-by-step instructions covering all setup and operating procedures for the system.

Section 4. Basic Applications--Step-by-step instructions covering the various input/output operations possible with the 1050 System for both home-loop and line-loop operations.

Section 5. Tips and Techniques--Methods for improving operating efficiency for specific situations. Manual, 144 pages

GA24-3231

IBM SYSTEM/360 MODEL 30 FUNCTIONAL CHARACTERISTICS

This reference publication describes the relationship of the IBM System/360 Model 30 to the entire System/360. The system's capabilities, features, I/O channels, and operations are also discussed. Systems Reference Library Manual, 76 pages

GA24-3232

IBM SYSTEM/360 MODEL 30 CONFIGURATOR

Chart listing all units that can be configured on the System/360 Model 30. Configurator Sheet, 17 x 11, 1 fold, 2 sides

GA24-3255

IBM SYSTEM/360 MODEL 30 1401/1440/1460 CCMPATIBILITY FEATURE SRL MANUL

This publication describes the 1401/1440/1460 Basic Compatibility feature and associated subfeatures for the System/360 Model 30. These special features enable a rapid and simplified transfer from 1401-, 1440-, or 1460-oriented applications to the IBM System/360 Model 30. Manual, 124 pages

GA24-3256

IBM 1285 OPTICAL READER COMPONENT DESCRIPTION AND OPERATING PROCEDURES

This publication describes the IBM 1285 Optical Reader. The major topics include operating principles, controls and operating procedures, programming for the IBM System/360, and input tape and printing specifications. Systems Reference Library Manual, 36 pages

GA24-3266

IBM 1092 AND 1093 PROGRAMMED KEYBOARDS

This reference publication describes, in detail, the operation of the IBM 1092 and 1093 Programmed Keyboards when attached directly to either an IBM 1050 Data Communications System or a common-carrier data set. A detailed description of the data keys, control buttons, keymaps, and special features is also included. Systems Reference Library Manual, 24 pages

GA24-3312

IBM 2821 CONTROL UNIT COMPONENT DESCRIPTION

This reference publication presents a description of input/output operations controlled through the IBM 2821 Control Unit. The IBM 2540 Card Read-Punch and the IBM 1403 and 1404 Printers controlled by the IBM 2821 Control Unit are briefly described.

Commands, status, and sense information pertaining to the attached input/output is presented. Programming timing considerations for control unit, card reader, card punch, and printers are also presented. Systems Reference Library Manual, 76 pages

GA24-3342

BATCH NUMBERING FEATURE FOR IBM 1241 AND 1419 MAGNETIC INK CHARACTER RECOGNITION READERS

This publication describes the functions and features of the Batch Numbering special feature when used with the IBM 1241 Magnetic Ink Character Recognition Reader and the IBM 1419 Magnetic Character Reader.

The operation of the keys, lights, and switches, as well as the programming information needed to operate the feature, is covered in detail. Systems Reference Library Manual, 16 pages

GA24-3365

IBM SYSTEM/360 MODEL 30 1620 COMPATIBILITY FEATURE

This publication describes the IBM 1620 Compatibility Feature for the IBM System/360 Model 30. This special feature provides a means of rapid and simplified transfer of 1620-oriented applications to the IBM System/360 Model 30. Systems Reference Library Manual, 76 pages

GA24-3373

IBM SYSTEM/360 MODEL 30 OPERATING GUIDE

This reference publication describes operator procedures for the IBM 2030 Processing Unit and the IBM 1052 Printer Keyboard (attached to the IBM System/360 Model 30). Systems Reference Library Manual, 48 pages

GA24-3388

IBM 2671 PAPER TAPE READER,  
IBM 2822 PAPER TAPE READER CONTROL - COMPONENT DESCRIPTION  
This publication gives sufficient information to understand the IBM 2671 Paper Tape Reader and IBM 2822 Paper Tape Reader Control and the associated special features. The main purpose of the publication, however, is to assist programmers and operators to operate the machine when it is used as an I/O unit to the IBM System/360 Model 25, 30, 40, 44, 50, or 67, or to System/370. The relevance of the controls and indicators for such a configuration are given, together with points of specific interest to the following:

- o Programmers: Operational characteristics, including stop conditions, addressing, recovery procedures, and System/360 commands.
- o Operators: Tape loading, unloading, rewinding, and repair procedures.
- o System Analysts: Tape specifications.

The sections for programmers presuppose a knowledge of System/360 and System/370 operation and of paper tape readers, but no such knowledge is required in understanding the sections for operators.

## ASSOCIATED PUBLICATIONS

Physical Characteristics of the 2671 Paper Tape Reader and 2822 Paper Tape Reader Control and of System/360 operation are given in the following publications:

1. IBM SYSTEM/360 INSTALLATION MANUAL - PHYSICAL PLANNING, Order No. GC22-6820.
2. IBM SYSTEM/360 INSTALLATION MANUAL - PHYSICAL PLANNING, IBM WORLD TRADE 50-HERTZ REQUIREMENTS, Order No. GC19-0001.

Manual, 64 pages

GA24-3403

IBM 2740 COMMUNICATION TERMINALS MODEL 1 AND 2  
COMPONENT DESCRIPTION

This publication describes the application areas, principles of operation, line-control signals, and special features of the IBM 2740 Communication Terminal Models 1 and 2. The communication facilities and data sets that can be used with this Tele-processing terminal are also discussed. Included is a glossary of communication terms used in this publication, and the timing formulas necessary to calculate the data-handling capability of the terminal.

Systems Reference Library Manual, 60 pages

GA24-3411

IBM SYSTEM/360 MODEL 30 CHANNEL CHARACTERISTICS AND  
FUNCTIONAL EVALUATION

This reference publication describes methods used to calculate System/360 Model 30 data handling capabilities that are dependent upon I/O-channel configurations and operations. Also presented are considerations of methods for:

1. Priority attachment of I/O units for maximum through
2. Addressing I/O units,
3. Calculating buffer transfer times,
4. Calculating interference (with the processing unit) caused by channel operations.

Calculations for a System/360 Model 30 with a 1.5 microsecond RW (Read/Write) cycle and with a 2-microsecond RW cycle are discussed separately.

The user of this publication should be thoroughly familiar with I/O programming considerations as described in the IBM System/360 PRINCIPLES OF OPERATION, GA22-6821. Information related to specific I/O devices is contained in separate Systems Reference Library publications.

Systems Reference Library Manual, 86 pages

GA24-3415

IBM 2741 COMMUNICATION TERMINAL

This manual is written for those interested in the concepts and applications of conversational terminals. A general knowledge of computer principles and programming concepts is a prerequisite for complete understanding of the information presented. The publication describes application areas, principles of operation, line-control signals, and special features of the IBM 2741 Communication Terminal. The communications facilities that can be used with this teleprocessing terminal are discussed. Also included are programming considerations, code charts, and keyboard arrangements.

Systems Reference Library Manual

GA24-3426

IBM 2712 REMOTE MULTIPLEXOR

This reference publication describes the IBM 2712 Remote Multiplexor and its operation. The 2712 is used with IBM 1050, 1060, 2740, and 2741 terminals (134.49 baud) and with telegraph terminals (74.2 baud) connected to IBM System/360 through the IBM 2702 and 2703 Transmission Control Units. Communication facilities that can be used with the 2712 are specified.

Systems Reference Library Manual, 12 pages

GA24-3435

PLANNING AND INSTALLATION OF A DATA COMMUNICATION SYSTEM  
USING IBM LINE ADAPTERS

This reference publication contains information, for systems engineers and installation planning engineers, on the

planning and installation of data communications systems that use IBM Line Adapters (modems). A brief introduction to data communication and to the general purposes and functions of line adapters is presented. Included is technical information applicable to an in-plant user-installed data communications system, and to the local facilities of common carriers. Specifications and requirements are provided for each IBM Line Adapter type, including those intended for limited-distance use only, and for those designed to operate over unlimited-distance common-carrier lines. A Glossary is included as an appendix.

Prior knowledge of data communications systems is helpful, but not essential.

For a description of the switched network, automatic answering, and automatic call origination features of the IBM 1200 Bit-per-Second Line Adapter, this manual refers to SYSTEMS manual, IBM 3872 Modem User's Guide, GA27-3058. General Information, 74 pages

GA24-3471

IBM 1050 SYSTEM SUMMARY

This publication provides an introduction to the IBM 1050 Data Communication System and its associated components. A general description of each of the system components is provided here, along with a summary of all pertinent features for each. The communication facilities and data sets available for the 1050 System are also provided as a general guide. For a detailed description of the system components and their operation, consult IBM 1050 PRINCIPLES OF OPERATION, Form A24-3474.

System Reference Library Manual, 20 pages

GA24-3474

IBM 1050 DATA COMMUNICATION SYSTEM PRINCIPLES OF OPERATION

This reference publication provides a complete description of the operating principles of this IBM Tele-processing system. The functional characteristics of the system and of each component is discussed in detail. Additional information, pertaining to the overall system and World Trade considerations, are provided in the appendix.

Systems Reference Library manual, 90 pages

GA24-3500

IBM 1259 MAGNETIC CHARACTER READER COMPONENT DESCRIPTION

This reference publication contains information about all the features and functions of the IBM 1259 Magnetic Character Reader. On-line and off-line data flow and operating theory are discussed, with detailed programming information and operating instructions for each reader function.

Systems Reference Library Manual, 38 pages

GA24-3509

IBM 2944 DATA CHANNEL REPEATER INSTALLATION MANUAL-PHYSICAL PLANNING

This publication provides physical planning information for the IBM 2944 Data Channel Repeater Model 1 (master) and Model 2 (remote) when used with the IBM System/360. Included are physical specifications and cable, electrical and environmental requirements.

Systems Reference Library Manual, 8 pages

GA24-3510

IBM SYSTEM/360 MODEL 25 FUNCTIONAL CHARACTERISTICS

This reference publication augments the IBM SYSTEM/360 PRINCIPLES OF OPERATION, GA22-6821. It describes the relationship of the Model 25 to other System/360 models: system capabilities, system control panel, input/output channels and integrated I/O attachments, operations, instruction timings, and system features.

The reader should have a knowledge of the System/360 as defined in the IBM SYSTEM/360 PRINCIPLES OF OPERATION. Systems Reference Library Manual, 154 pages

GA24-3511

IBM SYSTEM/360 MODEL 25 CONFIGURATOR

Chart listing all possible units that can be configured on System/360 Model 25.

Configurator Sheet, 17 x 11, 1 fold, 1 side

GA24-3512

IBM SYSTEM/360 MODEL 25 1401/1460 AND 1440 COMPATIBILITY FEATURES

This publication describes the 1401/1460 and 1440 Compatibility features for the IBM System/360 Model 25. These special features enable a rapid and simplified transfer from 1401-, 1460-, or 1440-oriented applications to the IBM System/360 Model 25.

Refer to the IBM SYSTEM/360 MODEL 25 FUNCTIONAL Characteristics, (GA24-3510), for a description of the capabilities, functions and operational characteristics of the System/360 Model 25.

Systems Reference Library Manual, 52 pages

GA24-3516

IBM 2938 ARRAY PROCESSOR MODEL 1 RPQ W24563, MODEL 2  
RPQ 815188 INSTALLATION MANUAL - PHYSICAL PLANNING

This publication contains physical planning information



for installing the IBM 2938 Array Processor Models 1 and 2 (RPQ). Included are dimensions, weights, electrical requirements, and environmental specifications. A cable diagram and a cable requirements chart are provided. Systems Reference Library Manual, 6 pages

## GA24-3519

IBM SYSTEM/360 CUSTOM EQUIPMENT DESCRIPTION: 2938 ARRAY PROCESSOR (MODEL 1, RPQ W24563; MODEL 2, RPQ 815188)  
The IBM 2938 Array Processor is an auxiliary computing unit for System/360 Models 44, 65, 67-1, 75 and 85. It performs high-speed processing of arrays of data using short-precision floating-point arithmetic. This publication describes the principles of operation and functional characteristics of the Array Processor.

A prerequisite for studying this bulletin is a basic knowledge of the IBM System/360 as contained in the IBM SYSTEM/360 PRINCIPLES OF OPERATION, GA22-6821. Manual, 60 pages

## GA24-3523

IBM SYSTEM/360 MODEL 25 OPERATING PROCEDURES  
This publication contains procedures and Reference information for personnel operating the IBM System/360 Model 25. Included are the IBM 2025 Processing Unit and the following I/O devices that can be connected to the system via integrated attachment features:

IBM 1052 Printer-Keyboard Model 7  
IBM 2540 Card Read Punch  
IBM 2311 Disk Storage Drive Model 1  
IBM 1403 Printer Models 2, 7 and N1

Procedures are given for system power on and power off, system initialization, store/display, single-instruction processing, I/O device readying, and printer-keyboard alter/display. Indicators, lights, keys, switches, and controls for the 2025 Processing Unit and the listed I/O devices are described. Operator diagnostic flowcharts, I/O setup procedures appear in the appendix.

For additional information on specific units and special features, refer to appropriate publications listed in IBM SYSTEM/360 BIBLIOGRAPHY GA22-6822. Systems Reference Library Manual, 132 pages

## GA24-3524

IBM SYSTEM/360 MODEL 25 MODEL 20 MODE FEATURE  
This reference publication describes the characteristics, implementation, and operating considerations for the IBM System/360 Model 25. Included in this document are descriptions of the functional operation, operator functions, and restart procedures for the applicable I/O devices.

The reader should have a basic knowledge of the IBM System/360 Model 25 operation and the operation of the I/O devices described.

Information in the following IBM publications is essential for a complete understanding of the material in this manual:

IBM System/360 Model 20 Functional Characteristics, GA26-5847  
IBM System/360 Model 25 Functional Characteristics, GA24-3510

Systems Reference Library Manual, 40 pages

## GA24-3526

IBM SYSTEM/360 MODEL 25 INTEGRATED COMMUNICATIONS ATTACHMENT FEATURE

This reference publication describes the operation of the Integrated Communications Attachment feature for the IBM System/360 Model 25. Included is a general description of the feature and its common controls. Also included are the communications facilities that can be used with the Integrated Communications Attachment (ICA) and the remote terminals and processors that may be serviced by the ICA. Configuration limitations, overrun considerations, and the effects on multiplexer channel data rates are also presented.

Systems Reference Library Manual, 120 pages

## GA24-3538

IBM SYSTEM/360 MODEL 25 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION

This reference publication describes methods used to calculate IBM System/360 Model 25 data-handling capabilities that are dependent upon I/O-channel configurations and operations. Also presented are considerations of methods for:

1. Priority attachment of I/O units for maximum throughput.
2. Addressing I/O units.
3. Calculating buffer transfer times.
4. Calculating interference (with the processing unit) caused by channel operations.

Calculations for an IBM System/360 Model 25 with a selector interface and with a multiplexer interface are discussed. Systems Reference Library Manual, 52 pages

## GA24-3542

IBM 1255 MAGNETIC CHARACTER READER MODELS 1, 2, AND 3 COMPONENT DESCRIPTION

This publication contains information describing the

purpose, function, and operation of the reader/sorter for bank management, IBM sales representatives, systems engineers, and customer engineers. For machine operators it contains operating, recovery, and jam removal procedures. Component Description, 64 pages

## GA24-3543

IBM 3211 PRINTER 3216 INTERCHANGEABLE TRAIN CARTRIDGE AND 3811 PRINTER CONTROL UNIT COMPONENT DESCRIPTION AND OPERATOR'S GUIDE

The 3211 Printer, 3216 Interchangeable Train Cartridge and 3811 Printer Control Unit constitute a high-speed printer subsystem for attachment to System/360 and System/370 data processing systems via the System/360/370 Standard I/O Interface. This reference publication is intended for:

- o System planners who require information about features, character sets, subsystem performance, forms and ribbons.
- o System programmers who use printer commands, status and sense information, and error-recovery procedures.
- o Operators who perform basic setup, operating, and error-recovery procedures.

A basic knowledge of System/360/370 is assumed. The manual is organized into three sections:

- o Subsystem Components describes the subsystem features, available character sets, and performance characteristics.
- o Programming Information describes valid subsystem commands and available status and sense bytes, and provides buffer loading and suggested error recovery procedures.
- o Operating Information describes the subsystem keys, indicators, and controls, and provides procedures for initial setup, running, and error recovery.

Appendixes contain reference information, such as an EBCDIC chart, for all users. The following publications are referenced for additional forms requirements and ribbon recommendation information:

Form Design Reference Guide for Printers, GA24-3488

System/360 and System/370 Component Description and Operating Procedures: IBM 1287 Optical Reader, GA21-9064

System/360 and System/370 Component Description and Operating Procedures: IBM 1288 Optical Page Reader, Model 1, GA21-9081

Paper and Print Quality Requirements for IBM 1270 and 1275 Optical Reader Sorters, GA19-0036

IBM System/360 Component Description: IBM 1270 Optical Reader Sorter, GA19-0035

IBM System/360 Component Description: IBM 1275 Optical Reader Sorter, GA19-0034

The following publications are referenced for additional FCB and UCS buffer loading information:

System/360 Operating System: Data Management for System Programmers, GC28-6550  
DOS System Control and Service, GC24-5036 Manual, 70 pages

## GA24-3545

IBM 2956-5 MULTI-POCKET READER SORTER INSTALLATION MANUAL PHYSICAL PLANNING

This publication provides physical planning information for the IBM 2956-5 Multi-Pocket Reader Sorter when used with the IBM System/360 Models 30, 40, and 50. Included are physical specifications and cable, electrical, and environmental requirements. System Reference Library Manual, 8 pages

## GA24-3547

IBM SYSTEM/360 MODEL 25, HIGH-SPEED CHANNEL-2314 ATTACHMENT FEATURE RPQ E69109

This publication describes the operation of the 2314 attachment feature used with the IBM System/360 Model 25. Programming and operating information is provided in the form of instruction timing, error indications, and CPU indicators as applicable to high-speed channel operation. Systems Reference Library manual, 12 pages

## GA24-3550

IBM 3215 CONSOLE PRINTER-KEYBOARD COMPONENT DESCRIPTION

This reference publication describes the functions and operation of the IBM 3215 Console Printer-Keyboard. This information is intended for those planning for and operating an IBM System/370 Models 135, 145, and 155. Presented are the printing method, control keys and lights, functional timing, forms controls and specifications, and make-ready procedures.

For system operation (including programming and operating procedures), refer to the IBM System/360 and System/370 Bibliography (GA22-6822), for the Functional

Characteristics and Operating Procedures manuals for the particular system and model.  
Manual, 8-1/2 x 11 inches, 18 pages

Installation Planning Guide, 8-1/2 x 11 inches, 8 pages

## GA24-3551

**IBM 2956-5 MULTI-POCKET MCR READER SORTER CUSTOM UNIT**  
**DESCRIPTION: RPO W19976**  
This publication provides an introduction to the 2956-5 Multi-Pocket Reader Sorter. General information on operating controls and procedures is presented only in the areas that are different from the IBM 1419 Magnetic Character Reader. Command-byte structure and sense indications are provided for programmer use. For additional information, refer to the IBM 1219 READER SORTER, IBM 1419 MAGNETIC CHARACTER READER, GA24-1499.  
Systems Reference Library Manual, 20 pages

## GA24-3552

**IBM 3210 CONSOLE PRINTER-KEYBOARDS COMPONENT DESCRIPTION**  
This manual is intended as an introduction to the IBM 3210 (Models 1 and 2) Console Printer-Keyboards. The 3210's are described according to the way in which they operate with IBM System/370's.  
A description of the physical and functional characteristics of the IBM 3210's is contained in this manual. The purpose of all control keys and indicator lights, supplementing the keyboard, is included.  
Because the 3210 Model 2 is a standalone I/O unit, the assigned functions of the control keys and indicator lights described here may vary according to the particular requirements of another system.  
A section describing "Operator's Procedures" contains the following:

1. Forms insertion procedure
2. Platen removal and replacement

For additional information on forms specifications refer to "Form Design Reference Guide for Printers", GA24-3488.

For additional information on 3210 operating procedures, refer to the IBM System/370 Model 145 Operating Procedures, GC38-0015.  
Manual, 10 pages

## GA24-3557

**IBM SYSTEM/370 MODEL 145 FUNCTIONAL CHARACTERISTICS**  
This publication describes the relationship of the Model 145 to other System/370 models and to System/360. Included is information concerning the system features and capabilities, console file, input/output channels, integrated file adapter, OS/DOS compatibility, IBM 1401, 1440, 1460, 1410, and 7010 emulation features, console printer-keyboard, additional instructions, and instruction timings.

The following IBM manuals offer information to assist the reader:

- SYSTEM/370 MODEL 145 OPERATING PROCEDURES, GA24-3554.
- SYSTEM/370 PRINCIPLES OF OPERATION, GA22-7000.
- SYSTEM/370 SYSTEM SUMMARY, GA22-7001.
- SYSTEM/370 INPUT/OUTPUT CONFIGURATOR, GA22-7002.
- SYSTEM/360/370 BIBLIOGRAPHY, GA22-6822.
- SYSTEM/360 PRINCIPLES OF OPERATION, GA22-6821.
- SYSTEM/360 COMPONENT DESCRIPTIONS,
- IBM 2314 DIRECT ACCESS STORAGE FACILITY AND
- IBM 2844 AUXILIARY STORAGE CONTROL, GA26-3599.
- SYSTEM/360 I/O INTERFACE - CHANNEL TO CONTROL UNIT
- ORIGINAL EQUIPMENT MANUFACTURERS' INFORMATION, GA22-6843.
- SYSTEM/360 DIRECT CONTROL AND EXTERNAL INTERRUPT
- FEATURE, ORIGINAL EQUIPMENT MANUFACTURERS' INFORMATION,
- GA22-6845.
- SYSTEM/360 CS PROGRAM PLANNING GUIDE FOR THE DOS
- EMULATOR ON THE SYSTEM/370, GC24-5076.

3210 CONSOLE PRINTER-KEYBOARD MODEL 2 COMPONENT DESCRIPTION, GA24-3552.

3215 CONSOLE PRINTER-KEYBOARD MODEL 1 COMPONENT DESCRIPTION, GA24-3550.

FORMS DESIGN CONSIDERATIONS--SYSTEM PRINTERS, GA24-3488.  
Manual, 84 pages, 8-1/2 x 11

## GA24-3561

**IBM 1925 MODEL 18 INTERFACE SWITCH UNIT RPO 811301**  
**INSTALLATION MANUAL--PHYSICAL PLANNING**  
This publication provides physical planning information for the IBM 1925 Model 18 Interface Switch Unit used with the IBM System/360 and the IBM System/370. Included are physical specifications and cable, electrical, and environmental requirements.  
For a list of related publications and abstracts, see the IBM SYSTEM/360 AND SYSTEM/370 BIBLIOGRAPHY, GA22-6822.  
Installation Planning Guide, 8-1/2 x 11 inches, 8 pages

## GA24-3562

**IBM 2911 MODEL 14 INTERFACE SWITCH UNIT RPO 811503**  
**INSTALLATION MANUAL--PHYSICAL PLANNING**  
This publication provides physical planning information for the IBM 2911 Model 14 Interface Switch Unit used with the IBM System/360 and the IBM System/370. Included are physical specifications and cable, electrical, and environmental requirements.  
For a list of related publications and abstracts, see the IBM SYSTEM/360 AND SYSTEM/370 BIBLIOGRAPHY, GA22-6822.

## GA24-3564

**IBM SYSTEM/360 MODEL 30 STORAGE EXPANSION FEATURE MANUAL: RPO'S EA3807, EA1527; OR RPO'S Y91283 AND Y91325 (WORLD TRADE)**  
This reference publication contains information for the system analyst, system programmer, and system operator about the Storage Expansion feature for the IBM System/360 Model 30. The Storage Expansion feature increases the Model 30 program storage size from 64K bytes (65,536 bytes) to 96K bytes (98,304 bytes). Contents of this publication include:  
Description of the Storage Expansion feature, its prerequisites, and limitations of other features  
Description of the changes the feature makes to the Model 30 in the areas of:  
Instruction timing  
Local storage  
Multiplexer channel UCW's  
Channel characteristics  
Console panel and operations

This manual is used as a supplement to the following System/360 publications:  
IBM System/360 Model 30 functional characteristics (GA24-3231)  
IBM SYSTEM/360 MODEL 30 OPERATING GUIDE (GA24-3373)  
Manual, 20 pages

## GA24-3566

**IBM 1972 MODEL 3 PRODUCTION TERMINAL**  
**IBM 1972 MODEL 4 INSTRUCTION CONSOLE INSTALLATION MANUAL**  
**PHYSICAL PLANNING COMPONENT DESCRIPTION**  
This manual contains physical planning information and component descriptions for the IBM 1972 Model 3 Production Terminal and the IBM 1972 Model 4 Instruction Console. The specific topics covered include:

- o Power Requirements
- o Environmental Considerations
- o Interface Considerations
- o Floor Area and Loading Considerations
- o Servicing and Access Requirements
- o Safety Considerations
- o Transportation Requirements
- o Physical Characteristics

The manual is intended to assist users in their work station production planning and in preparation of installation areas prior to delivery of the units.  
Physical Planning, Component Description Manual

## GA24-3572

**IBM SYSTEM/360 MODEL 22 FUNCTIONAL CHARACTERISTICS**  
**SYSTEMS MANUAL**  
This reference publication is intended for use by systems analysts or personnel involved in planning system configurations. The publication presents an introduction to some of the important IBM System/360 concepts and terminology as they are related to the Model 22. The concepts include program status words, supervisor program, and interrupts related to input/output operations. It also includes information on input/output channels, unit addressing, unit priorities on the channels, instruction timings, and 1052 Printer-Keyboard characteristics.  
The reader can find a more detailed description of System/360 operations in IBM System/360 Principles of Operation (GA24-6822). The interrelationships of the models and units available with System/360 are broadly described in IBM/360 System Summary (GA24-6810). Other related literature is listed by order reference number and briefly described in IBM System/360 Bibliography (GA22-6822).  
Information on channel load limits for IBM System/360 Model 22 is given in IBM System/360 Model 22 Channel Characteristics and Functional Evaluation (GA24-3579).  
Manual, 8-1/2 x 11 inches, 44 pages

## GA24-3573

**IBM SYSTEM/370 MODEL 145 CHANNEL CHARACTERISTICS**  
This publication describes methods used to calculate System/370 Model 145 data-handling capabilities that are dependent upon I/O-channel configurations and operations. Considerations of methods are also presented for priority attachment of I/O devices for maximum throughput.  
Information related to specific I/O devices is in separate Systems Reference Library publications. These publications are listed by order number and briefly described in IBM SYSTEM/360 AND SYSTEM/370 BIBLIOGRAPHY (GA22-6822).

This manual is intended for users at the system programmer level; it assumes a thorough background in I/O programming techniques.  
Manual, 72 pages

## GA24-3574

**IBM SYSTEM/360 MODEL 22 OPERATOR'S GUIDE**  
This manual contains reference material and operating procedures required to operate the IBM System/360 Model 22 Processing Unit and the Integrated 1052 Printer-Keyboard.  
The intended audience is an operator who is assumed to have a basic knowledge of System/360.  
The first section describes lights, switches, and keys

on the console in detail. The second section contains the general operating procedures needed by the operator to run the system. Thirdly, a section is provided for normal printer-keyboard operation.

Order numbers for manuals containing operating procedures for individual input/output devices can be found in the IBM System/360 Bibliography, GA22-6822. Manual, 40 pages

## GA24-3579

IBM SYSTEM/360 MODEL 22 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION - SYSTEMS LIBRARY MANUAL

This reference publication describes methods used to calculate System/360 Model 22 data-handling capabilities that are dependent upon I/O channel configurations and operations. Consideration of methods are also presented for:

- o Priority I/O-unit attachment for maximum throughput
- o Addressing I/O devices
- o Calculating buffer transfer times
- o Calculating interference (with the processing unit) caused by channel operations.

This publication is intended for use by persons calculating the channel loads for a Model 22. The user should have an understanding of mathematics and be thoroughly familiar with I/O programming considerations as described in IBM System/360 Principles of Operation (GA22-6821). Information related to specific I/O devices is contained in separate publications listed in IBM System/360 and System/370 Bibliography (GA22-6822).

When performing loading calculations related to the multiplexer channel operating in multiplex mode, the Multiplexer Channel Worksheet is used. If the IBM 2702 Communications Control is involved, the 2702 Worksheet is used. Reproducible copies of these worksheets are located in an appendix to this publication. Manual, 68 pages

## GA24-3590

IBM 1972 MODEL 3 PRODUCTION TERMINAL 1972 MODEL 4 INSTRUCTION CONSOLE OPERATOR'S GUIDE

This manual contains information for operating the IBM 1972 Model 3 Production Terminal and the IBM 1972 Model 4 Instruction Console. The specific operating information includes:

- o Functional description of operating controls
- o Information on preparing, programming, punching, and splicing perforated tapes
- o Instructions for loading perforated tape in production terminal and for operating the production terminal.

This information is presented to aid the user in the operation of the production terminal and the instruction console and in the preparation of perforated tapes for use on the production terminal.

Operator's Guide 8-1/2 x 11 inches, 34 pages

## GA24-3594

IBM EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS AND DOS/VS PLANNING GUIDE - PROGRAM NUMBER 5799-ADR

This publication describes the IBM Emulator for RCA 301, an integrated emulator program, for the IBM System/370 Models 135 and 145. Also provided are introductory and planning information for management and planning personnel.

The emulator is a problem program that operates in either a batched-job foreground or the background partition under control of the IBM Disk Operating System (DOS) or the IBM Disk Operating System/Virtual Storage (DOS/VS). The emulator uses the System/370 standard instruction set, the RCA 301 Compatibility Feature, and the data management facilities of DOS and DOS/VS to emulate the RCA 301 processor unit, input/output, and console operations. Publications useful as reference material are:

- IBM System/360 Principles of Operation, Order No. GA22-6821.
- IBM System/370 Principles of Operation, Order No. GA22-7000.

For information about the Disk Operating System, refer to: System/360 and System/370 Bibliography, Order No. GA22-6822.

Manual, 28 pages

## GA24-3595

IBM EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS AND DOS/VS (PRPO): PLANNING GUIDE, PROG. NO. 5799-ADT

This publication describes the IBM Emulator for Honeywell Series 200, an integrated emulator program, for the IBM System/370 Models 135 and 145. This publication also provides introductory and planning information for management and planning personnel.

The emulator is a problem program that operates in either a batched-job foreground or the background partition under control of the IBM Disk Operating System (DOS), or the IBM Disk Operating System/Virtual Storage (DOS/VS). The emulator uses the System/370 standard instruction set, a Honeywell Series 200 Compatibility feature, and the data management facilities of DOS or DOS/VS to emulate the Honeywell Series 200 processor unit, input/output, and console operations. Publications useful as reference material are:

- IBM System/360 Principles of Operation, Order No. GA22-6821.

IBM System/370 Principles of Operation, Order No. GA22-7000.

For information about the Disk Operating System, refer to: System/360 and System/370 Bibliography, Order No. GA22-6822.

Manual, 28 pages

## GA24-3602

IBM 3890 DOCUMENT PROCESSOR - GENERAL INFORMATION

The IBM 3890 Document Processor is a high-speed, high-volume reader/sorter of magnetically inscribed E-13B or CMC-7 documents. Features are tailored to requirements of check processing applications including microfilming. The IBM 3890 attaches, via the byte- or block-multiplexer channel, to a S/370-135, 145, 155II, 158, 165II, or 168 (and asymmetrically to model 158MP or 168MP). The 3890 can also be used offline for document sorting.

This publication is an introduction to the 3890 for persons doing systems analysis or having an interest in machine characteristics and operation. The reader is assumed to have an understanding of bank data processing. Included are general descriptions of basic and special features, data flow, operating principles, programming support, sorting techniques, operating controls, and the IBM Diskette.

For related publications, refer to the IBM System/360 and System/370 Bibliography, Order No. GA22-6822. Manual, 32 pages

## GA24-3604

EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS (PRPO), PROG. NO. 5799-ADT

This publication describes the IBM Emulator for Honeywell Series 200, an integrated emulator program, for IBM System/370 Models 135 and 145. It provides planning, implementation, and operating information for managers, programmers, and operators.

The emulator is a problem program that operates in either a batched-job foreground or the background partition under control of the IBM Disk Operating System (DOS). The emulator uses the System/370 standard instruction set, the Honeywell Series 200 Compatibility Feature, and the data management facilities of DOS to emulate the Honeywell Series 200 processor unit, input/output, and console operations. Manual, 50 pages

## GA24-3605

IBM EMULATOR MANUAL FOR RCA 301 ON SYSTEM/370 USING DOS - PROGRAM NUMBER 5799-ADR

No abstract available. Manual, 108 pages

## GA24-3612

IBM 3890 DOCUMENT PROCESSOR MACHINE AND PROGRAMMING DESCRIPTION

Provides a comprehensive description of the IBM 3890 Document Processor for those persons doing systems analysis and planning, programmers, systems engineers, and customer engineers. The reader is assumed to have an understanding of bank data processing.

This publication provides in-depth descriptions of operating principles and procedures, basic and special features, programming support including detailed explanations of both data management and SCI macros with examples, sorting techniques with examples, diagnostic aids, the IBM Diskette drive, and all operating controls. Manual, 12 pages

## GA26-1583

IBM SYSTEM/360 CUSTOM FEATURE DESCRIPTION - 2973 MODEL 2 FILE SWITCH RPO F13209

This publication contains reference information for the operation and programming of storage devices that attach to the IBM 2973 Model 2 File Switch. In addition, it contains a list of prerequisite RPO's and special features necessary for the attachment of a 2973 Model 2 to a System/360.

The following System Reference Library publications provide detailed System/360 programming information applicable to the 2973 Model 2 operations:

- IBM System/360 Principles of Operation, (GA22-6821)
- IBM SYSTEM/360 COMPONENT DESCRIPTIONS - DASD FOR 2841, Order Number GA26-5988

IBM SYSTEM/360 MODEL 25 FUNCTIONAL CHARACTERISTICS, Order Number GA24-3510

Systems Reference Library Manual, 12 pages

## GA26-1589

COMPONENT SUMMARY-2835 STORAGE CONTROL 2305 FIXED HEAD STORAGE

The 2835 Storage Control and 2305 Fixed Head Storage Module form a large capacity, high speed direct access storage facility for general purpose data storage and system residence. It attaches to the central processing unit through a block multiplexer channel, and operates under direct program control of the CPU.

For experienced programmers, this manual provides readily-accessible reference material related to channel command words, sense bytes, track format, track capacities, and error recovery.

Less experienced programmers will find sufficient

information to create channel programs to best utilize the standard and special features of the facility.

A complete description of the switches and indicators is provided for systems installation operators.

Programmers should be familiar with the information contained in IBM System/360 Principles of Operation, Order Number GA22-6821 and IBM System/370 Principles of Operation Order Number GA22-7000. Operators should be familiar with the material presented in the system summary for the parent system.  
Component Summary, 20 pages

GA26-1592

REFERENCE MANUAL FOR IBM 3830 STORAGE CONTROL AND IBM 3330 DISK STORAGE

For experienced programmers, this manual provides readily accessible reference material related to channel command words, sense bytes, tract format, track capacities, and error recovery. Less experienced programmers will find sufficient information to create channel programs to best utilize the standard and special features of the 3830/3330 facility. A complete description of the switches and indicators, and procedures for loading and unloading disk packs is provided for systems installation operators.

Programmers should be familiar with the information contained in IBM System/360 Principles of Operation, Order No. GA22-0621, and IBM System/370 Principles of Operation, Order No. GA22-7000. Operators should be familiar with the material presented in the system summary for the parent system. Order numbers for system summary and other related publications can be found in IBM System/360 and System/370 Bibliography, Order No. GA22-6822.  
Manual, 100 pages

GA26-1593

IBM 2968 MODEL 11 AUDIO/VISUAL CONTROL: COMPONENT DESCRIPTION AND OPERATING PROCEDURES RPQ F30209

This manual explains the characteristics, functions, features, physical planning, and operating procedures for the IBM 2968 Model 11 Audio/Visual Control. The manual also describes the various types of equipment and configurations for an audio/visual presentation, the preparation of the slides for the projector, the preparation of audio tape for the tape recorder, and guidelines for selecting a viewing screen for the projector.

A basic knowledge of the IBM 2740 Communications Terminal is assumed.

Systems Reference Library Manual, 36 pages

GA26-1599

IBM 2730 MODEL 1 TRANSACTION VALIDATION TERMINAL, IBM 2968 MODEL 9 AND MODEL 12 RECEIVER-TERMINAL CONTROL UNIT  
The IBM 2730 Model 1 Transaction Validation Terminal, IBM 2968 Model 9 and IBM 2968 Model 12 Receiver-Terminal Control Unit are part of an on-line credit authorization system. This manual describes the function of these devices in the system configuration, and provides typical operating procedures for the 2730 Model 1 and its acoustic coupler. The Appendix contains specifications for magnetic stripe credit cards.

A basic knowledge of data processing, including teleprocessing, is required to understand the material presented in this manual.

Manual, 16 pages

GA26-1600

2730 MODEL 1, 2968 MODEL 9, AND 2968 MODEL 12: INSTALLATION MANUAL - PHYSICAL PLANNING

This publication provides physical planning information for the IBM 2730-1 Transaction Validation Terminal, IBM 2968-9 Receiver-Terminal Control Unit (RPQ 831624), and IBM 2968-12 Receiver-Terminal Control Unit (RPQ 834654). Included are physical specifications and cable, electrical, and environmental requirements.

Manual, 8-1/2 x 11 inches, 12 pages

GA26-1606

IBM 2319 DISK STORAGE - A-SERIES, COMPONENT DESCRIPTION

This manual contains basic information about the IBM 2319 Disk Storage Models A1 and A2. Model A1 is designed for attachment to IBM System/370 via the Integrated File Adapter (IFA) feature.

The IBM 2319 Models B1 and B2 are described in the publication IBM SYSTEM/360 COMPONENT DESCRIPTIONS--2314 DIRECT ACCESS STORAGE FACILITY AND 2844 AUXILIARY STORAGE CONTROL, Order No. GA26-3599, with which the reader should be familiar.

Systems Reference Library Manual, 30 pages

GA26-1615

INTRODUCTION IBM 3330 A-SERIES DISK STORAGE - SYSTEM LIBRARY MANUAL

This manual is intended for readers having prior knowledge of direct access storage devices and concepts. Major topics are: standard and special features, I/O operations, and operators panel.

Manual, 14 pages

GA26-1617

REFERENCE MANUAL FOR IBM 3830 STORAGE CONTROL MODEL 2

This manual is intended for readers having prior knowledge of direct access storage devices and concepts. Major topics are: standard and special features, I/O operations, and the operator panel.

Manual, 12 pages

GA26-1619

IBM 3340 COMPONENT SUMMARY

This manual is intended to familiarize experienced data processing personnel with the characteristics of the IBM 3340 Disk Storage. (The reader should have prior knowledge of direct-access storage devices and concepts.)

It lists functional characteristics and discusses record format, capacity, and timing characteristics. It also lists all commands executed by the 3340 and suggested operating instructions.

Manual, 14 pages

GA26-1620

REFERENCE MANUAL FOR IBM INTEGRATED STORAGE CONTROL

This manual is intended primarily for programmers and operators. It provides reference material on channel command words, sense bytes, error recovery procedures, special features, operator controls, and the usage meter.

Manual, 90 pages

GA26-1621

INSTALLATION MANUAL PHYSICAL PLANNING IBM 2984 MODEL 1 CASH ISSUING TERMINAL RPQ 834660

This manual contains technical information, recommendations, and suggestions to be used in installing the IBM 3984-1 Cash Issuing Terminal. Included are physical specifications, cable, electrical, and environmental requirements. The customer should arrange for professional assistance in planning his installation, if necessary, to ensure that local and national codes are met.

It is assumed that the customer has both a system (CPU) and a transmission control unit (2701, 2703, or equivalent) either installed or to be installed.

The following publications provide necessary additional information:

- o IBM System/360 Installation Manual Physical Planning, GC22-6820
- o IBM System/370 Installation Manual Physical Planning, GA22-7004

Manual, 8 pages

GA26-1625

IBM 3348 DATA MODULE HANDLING PROCEDURES

This manual is a guide for handling the IBM 3348 Data Module. It is intended for personnel who operate the 3340 Disk Storage. Except for being familiar with the 3340 Disk Storage, operating personnel need no other prerequisites. The following topics are covered: Introduction, General Handling Procedure, Storage, Receiving and Shipping, Labeling, and Operating Instructions.

Manual, 16 pages

GA26-1630

IBM 3330 SERIES DISK STORAGE MODEL 1 TO MODEL 11 CUSTOMER CONVERSION GUIDE

This manual is intended to guide the IBM customer in planning a field conversion of the 3330 Series Disk Storage Model 1 to a 3330 Series Disk Storage Model 11. This manual is organized into two distinct categories: hardware and programming considerations. The hardware considerations cover topics concerning bills of material; power and cabling requirements; configuration requisites; and conversion times.

The program considerations define programming support and lists available programs. Also included are procedures for making programming updates to provide for the 3330 Model 11.

Manual, 20 pages

GA26-1632

IBM 3340 DISK/STORAGE - FIXED HEAD FEATURE USERS GUIDE

This manual describes the IBM 3340 Disk Storage-Fixed Head Feature. It is intended to provide system and application information to guide systems analysts and experienced programmers in installing and using the fixed-head feature.

The material presented in this manual requires that users be familiar with Data Management concepts as they apply in OS and DOS Virtual Storage programming systems and to have a working knowledge of Job Control Language coding.

Manual, 16 pages

GA26-3599

IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2314 DIRECT ACCESS STORAGE FACILITY AND 2844 AUXILIARY STORAGE CONTROL

This publication describes the IBM 2314 Direct Access Storage Facility and the IBM 2844 Auxiliary Storage Control, and presents functional and operating characteristics for these devices. Capacities, timing considerations, commands, operating procedures, and sense and status information are described. The user of this publication should be thoroughly familiar with the I/O programming considerations described in IBM System/360 Principles of Operation, Order

- Number GA22-6821.  
Systems Reference Library Manual, 76 pages
- GA26-3633  
DATA CELL HANDLING GUIDE  
This manual provides suggested operating and handling procedures for the IBM 3021 Data Cell used with the IBM 2321 Data Cell Drive.  
Systems Reference Library Manual, 20 pages
- GA26-3699  
IBM 1971-1980 CUSTOM TERMINAL FUNCTIONAL CHARACTERISTICS, OPERATING PROCEDURES, AND PHYSICAL PLANNING  
This manual describes the operations, controls, and special features of the IBM 1971 Buffered Terminal Control (Models 30 and 35) and the IBM 1980 Buffered Terminal (Models 9 and 12). The communications facilities that can be used with this Tele-processing terminal are described. Appendixes, containing the physical planning specifications, RPQ numbers, a glossary of terms, and general typewriter maintenance, are provided.  
Manual, 52 pages
- GA26-4187  
DISKETTE HANDLING PROCEDURES  
This publication is a guide for handling, loading, and unloading the IBM Diskette, a flexible magnetic disk cartridge used in the IBM 33FD Disk Storage Unit. Also included are storage and shipping recommendations.  
It is primarily intended for inexperienced operators of the IBM 33FD Disk Storage Unit.  
Manual, 10 pages
- GA26-5714  
IBM 2314/2844 MULTIPLEX STORAGE CONTROL FEATURE - AIRLINES BUFFER  
This publication describes the IBM 2314/2844 Multiplex Storage Control Feature (RPQ number S50001). This feature allows the 2314/2844 to operate in its basic mode or in multiplex mode. This publication describes all of the commands and operations that can be performed in multiplex mode. For a description of 2314/2844 basic mode operations, refer to the Systems Reference Library publication IBM SYSTEM/360 COMPONENT DESCRIPTIONS -- 2314 DIRECT ACCESS Storage Facility and 2844 Auxiliary Storage Control (Order Number GA26-3599).  
Systems Reference Library Manual, 56 pages
- GA26-5756  
IBM DISK PACK AND CARTRIDGE HANDLING PROCEDURES  
This manual is a guide for handling IBM Disk Packs and cartridges. Included are procedures for shipping and receiving, installation and removal, labeling of disks and cartridges and general operating procedures.  
The information contained in this manual applies to IBM 1316, 2316, and 3336 Disk Packs, and 2315 Disk cartridges.  
Manual, 16 pages
- GA26-5893  
IBM SYSTEM/360 AND SYSTEM/370 COMPONENT DESCRIPTION AND OPERATING PROCEDURES: IBM 2560 MULTI-FUNCTION CARD MACHINE  
This publication describes the operating principles and features of the IBM 2560 Multi-Function Card Machine (MPCM) as it is used with the IBM System/360 Model 20. Descriptions of the programmed operations, indicators, and operator's console are included. A prerequisite for understanding all phases of this manual is a thorough knowledge of the System/360 Model 20.  
The 2560 with the System/360 Model 20 is compared with conventional card equipment in file-updating operations. In addition to descriptions and flowcharts of these operations, tables are provided for a ready comparison of the operational steps, card volumes and running times of the two systems.  
Restart procedures for a particular type of programs (RPG, IOCS, etc.) are covered in the Operating Procedures manual associates with the particular program.  
Manual
- GA26-5988  
IBM SYSTEM/360 COMPONENT DESCRIPTIONS--2841 AND ASSOCIATED DASD  
This publication contains reference information for the operation and programming of storage devices which attach to the IBM 2841 Storage Control. These storage devices include the IBM 2311 Disk Storage Drive, Model 1; the IBM 2302 Disk Storage, Models 3 and 4; and IBM 2321 Data Cell Drive; and the IBM 2303 Drum Storage.  
Manual, 64 pages
- GA26-5993  
IBM SYSTEM/360 CUSTOM FEATURE, 2972 LINE CONTROL UNIT, MODEL 1  
This publication presents a description of the operation of the IBM 2972 Line Control Unit, Model 1. A sample configuration and a description of operation sequence are included.  
Systems Reference Library Manual, 12 pages
- GA27-2700  
IBM SYSTEM/360 COMPONENT DESCRIPTION:  
IBM 2260 DISPLAY STATION  
IBM 2848 DISPLAY CONTROL  
This manual describes the functional and operating characteristics of the IBM 2260 Display Station and the IBM 2848 Display Control Unit.  
The reader needs a general understanding of computers and their applications; however, knowledge of teleprocessing principles and programs is required by those who install communications terminals.  
Systems Reference Library, 84 pages
- GA27-2701  
IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 1  
This publication contains detailed information on programming, operation, and special features of the IBM 2250 Display Unit Model 1. The material is presented with the assumption that the reader has read the IBM SYSTEM/360 Principles of Operation Manual, Order Number GA22-6821.  
Systems Reference Library Manual, 44 pages
- GA27-2702  
IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 2 IBM 2840 DISPLAY CONTROL MODEL 1  
This document presents detailed information about IBM 2250 Display Unit Model 2/IBM 2840 Display Control Model 1 programming, operation, and special features. The material is presented with the assumption that the reader has read the IBM System/360 Principles of Operation Manual, Order Number GA22-6821.  
Systems Reference Library Manual, 52 pages
- GA27-2703  
IBM 2703 TRANSMISSION CONTROL COMPONENT DESCRIPTION  
This publication provides a detailed description of the capabilities, features, and communication facilities required for the IBM 2703 Transmission Control Unit. The capabilities of the unit are grouped by: start-stop capabilities; and binary-synchronous capabilities. All items of a general nature are discussed in the section, "Detailed Description of Operations".  
The operator's controls and a detailed description of the communication facilities to which the 2703 can be attached are contained in the Appendix.  
System Reference Library Manual, 78 pages
- GA27-2704  
IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2711 LINE ADAPTER UNIT  
This manual describes the operation of the IBM 2711 Line Adapter Unit. Included is a general description of the 2711, the line adapters that can be contained in a 2711, the communication facilities that can be used with the 2711, and the operator tests that can be performed to isolate equipment malfunctions.  
Systems Reference Library Manual, 12 pages
- GA27-2710  
IBM 7772 AUDIO RESPONSE UNIT VOCABULARY  
This publication contains a complete listing of the 7772 vocabulary.  
Systems Reference Library Manual, 8 pages
- GA27-2711  
IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 7772 AUDIO RESPONSE UNIT  
This manual describes the functional and operational characteristics of the IBM 7772 Audio Response Unit. Topics include vocabulary selection, system attachment considerations, communications requirements, and programming considerations.  
Systems Reference Library Manual, 32 pages
- GA27-2712  
COMPONENT DESCRIPTION: IBM 7770 AUDIO RESPONSE UNIT MODEL 3  
This publication describes the functional and operational characteristics of the IBM 7770 Audio Response Unit (Models 3). Topics discussed include vocabulary selection, communications requirements, system attachment considerations, and programming considerations.  
Systems Reference Library Manual, 48 pages
- GA27-2713  
IBM SYSTEM/360 MODEL 67 CONFIGURATOR  
This publication presents a graphic representation of IBM System/360 MODELS 67-1 AND 67-2. Attachment capabilities and standard and special feature capabilities are noted. The material in this publication is presented with the assumption that the reader has knowledge of System/360 and of the Model 67, as defined in the IBM System/360 Model 67 functional characteristics, (GA27-2719), the IBM System/360 Principles of Operation, (GA22-6821), and the IBM System/360 System Summary, (GA22-6810).  
System Reference Library Manual, 1 page

GA27-2715

IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION 709/7040/7044/7090/7094/7094 II COMPATIBILITY FEATURE FOR SYSTEM/360 MODELS 65 AND 67  
This publication contains information about the IBM 7090 Compatibility Feature (#7119). The Compatibility Feature adds interpretive facilities to IBM System/360 Models 65 and 67 for use by the IBM 7090 Emulator Program. The combination of the feature and the program, referred to as the 7090 Emulator, allows execution on IBM System/360 Models 65 and 67 of programs written for the IBM 709, 7040, 7044, 7090, 7094, and 7094II.  
Systems Reference Library Manual, 58 pages

GA27-2716

IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION 7080 COMPATIBILITY FEATURE FOR SYSTEM/360 MODEL 65  
This publication presents a detailed description of the IBM 7080 Compatibility Feature #7118. The Compatibility Feature adds interpretive facilities to System/360 for use by the IBM 7080 Emulator Program, Program No. 360C-EU-727. This combination of feature and program, referred to as the IBM 7080 Emulator, permits an IBM System/360 Model 65 to execute programs written for an IBM 7080 Data Processing System.  
Systems Reference Library Manual, 44 pages

GA27-2717

IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION 7074 COMPATIBILITY FEATURE FOR SYSTEM/360 MODELS 50 AND 65  
This publication contains information about the IBM 7070/7074 Compatibility Feature. The Compatibility Feature adds interpretive facilities to System/360 Model 50 or 65 for use by the IBM 7074 emulator program. The combination of the feature and the program, referred to as the 7074 Emulator, allows execution on IBM System/360 Models 50 and 65 of programs written for the IBM 7070 and 7074.  
Systems Reference Library Manual, 40 pages

GA27-2719

IBM SYSTEM/360 MODEL 67 FUNCTIONAL CHARACTERISTICS  
This publication contains detailed information on the organization, characteristics, features, and functions unique to the IBM System/360 Model 67 Time Sharing System. Major areas described include time-sharing philosophy, system structure, new units, generalized information flow, standard and special features, instruction timings, and the system control panel.  
Descriptions of specific input/output devices used with the Model 67 appear in separate publications. See the IBM System/360 Bibliography, (GA22-6822) for a listing and a brief description of these publications.  
The material in this publication is presented with the assumption that the reader has knowledge of System/360 as defined in the IBM System/360 Principles of Operation, GA22-6821 and the IBM System/360 System Summary GA22-6810.  
Systems Reference Library Manual, 66 pages

GA27-2721

IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT MODEL 3 IBM 2840 DISPLAY CONTROL MODEL 2  
This document presents detailed information about IBM 2250 Display Unit Model 3/IBM 2840 Display Control Model 2 programming, operation, and special features. The material is presented with the assumption that the reader has read the IBM System/360 Principles of Operation Manual, Order Number GA22-6821.  
Systems Reference Library Manual, 70 pages

GA27-2724

IBM SYSTEM/360 CUSTOM SYSTEMS UNIT 2916 LONG LINE ADAPTER, MODELS 3 AND 4 INSTALLATION BULLETIN - PHYSICAL PLANNING  
This bulletin contains all the necessary physical planning data required for the installation of the unit described. If the unit is to be installed in conjunction with a computer system, the specifications of the most critical unit must be met. The data follows the same format and utilizes the same standardized symbols as used in the IBM System/360 Installation Manual - Physical Planning, Order Number GC22-6820.  
Systems Reference Library Manual, 4 pages

GA27-2725

IBM 50 MAGNETIC DATA INSCRIBER COMPONENT DESCRIPTION  
This manual describes the functional and operating characteristics of the IBM 50 Magnetic Data Inscrubber. The IBM 50 Magnetic Data Inscrubber is a key-operated device that records data on cartridge-contained magnetic tape. Each IBM 50 generated tape can be used as a data storage medium or as a vehicle for entering data into an IBM System/360, via the IBM 2495 Tape Cartridge Reader. In addition to its data recording capability, the IBM 50 can also be used to verify data stored on tapes generated on the same or other IBM 50's.  
Systems Reference Library Manual, 28 pages

GA27-2726

IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2495 TAPE CARTRIDGE READER  
This manual describes the functional and operating characteristics of the IBM 2495 Tape Cartridge Reader (TCR). The IBM 2495 TCR is used to transfer data stored on cartridge-contained 16mm magnetic tape to an IBM System/360. The TCR accepts cartridge tapes containing data generated on either the IBM 50 Magnetic Data Inscrubber or the IBM Magnetic Data Selectric Typewriter System.  
Systems Reference Library Manual, 12 pages

GA27-2727

IBM SYSTEM/360 CUSTOM SYSTEMS UNIT 2909 MODEL 3 - ASYNCHRONOUS DATA CHANNEL RPO F13299 RPO 882045 INSTALLATION BULLETIN - PHYSICAL PLANNING  
This bulletin contains all the necessary physical planning data required for the installation of the unit described. If the unit is to be installed in conjunction with a computer system, the specifications of the most critical unit must be met. This bulletin utilizes the same format and standardized symbols contained in the IBM SYSTEM/360 Installation Manual - Physical Planning, Order Number GC22-6820  
Systems Reference Library Manual, 6 pages

GA27-2728

IBM SYSTEM/360 MODEL 65 OPERATING PROCEDURES  
This manual describes operator procedures for an IBM 2065 Processing Unit, operating with or without an associated IBM 1052 Printer-Key-board. Also described are system control panel machine functions, machine procedures, program-oriented procedures, and operator-intervention procedures. An appendix of reference material and an index are included.

The reader is assumed to have a knowledge of the following SRL publications:  
IBM System/360 Principles of Operation (GA22-6821).  
(sections on "System Structure" and "System Control Panel")

IBM SYSTEM/360 MODEL 65 FUNCTIONAL CHARACTERISTICS, Order Number GA22-6884.

IBM SYSTEM/360 TAPE OPERATING SYSTEM OPERATING GUIDE, Order Number GC24-5021

IBM SYSTEM/360 DISK OPERATING SYSTEM OPERATING GUIDE, Order Number GC24-5022

IBM SYSTEM/360 OPERATING SYSTEM OPERATOR'S GUIDE, Order Number GC28-6540

For information pertaining to the operation of I/O units that are attachable to the System/360 Model 65 refer to the appropriate SRL publication.  
Systems Reference Library Manual, 46 pages

GA27-2729

IBM SYSTEM/360 CUSTOM SYSTEMS UNIT 2972 MODEL 7 SCIENTIFIC INTERFACE CONTROL UNIT RPO E46181 INSTALLATION BULLETIN - PHYSICAL PLANNING  
This bulletin contains all the necessary physical planning data required for the installation of the unit described. If the unit is to be installed in conjunction with a computer system, the specifications of the most critical unit must be met. This bulletin utilizes the same format and standardized symbols contained in the IBM SYSTEM/360 Installation Manual - Physical Planning, Order Number GC22-6820  
Systems Reference Library Manual, 4 pages

GA27-2730

COMPONENT DESCRIPTION IBM 2285 DISPLAY COPIER  
This publication presents a functional description of, and operator procedures for, the IBM 2285 Display Copier. Each 2285 attaches directly to an IBM 2250 Display Unit Model 1, 3, or 4 that is equipped with an attachment feature. The 2285 provides an 8-1/2-by-11-inch paper copy output of the associated 2250 display upon initiation by the 2250 operator. The 2285 obtains analog signals and power from the 2250 to which it is attached and requires no programming. The following publications may be of interest to the reader:  
IBM SYSTEM/360 COMPONENT DESCRIPTION: IBM 2250 DISPLAY Unit Model 1, Order Number GA27-2701  
IBM SYSTEM/360 COMPONENT DESCRIPTION: IBM 2250 DISPLAY UNIT MODEL 3, IBM 2840 DISPLAY CONTROL MODEL 2, Order Number GA27-2721  
IBM 1130 SYSTEM COMPONENT DESCRIPTION: IBM 2250 DISPLAY Unit Model 4, Order Number GA27-2723.  
Systems Reference Library Manual, 8 pages

GA27-2731

IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2265 DISPLAY STATION IBM 2845 DISPLAY CONTROL  
This manual describes the functional and operating characteristics of the IBM 2265 Display Station and the IBM 2845 Display Control. The two units combine to form a display system that provides visual access to data stored in an IBM System/360.  
Systems Reference Library Manual, 64 pages

GA27-2733

IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION  
709/7090/7094/7094 II COMPATIBILITY FEATURE FOR  
IBM SYSTEM/360 MODEL 85  
 This publication contains information about the IBM 7094 Compatibility Feature (#7119). The Compatibility Feature adds interpretive facilities to IBM System/360 Model 85 for use by the IBM 7094 Emulator Program. The combination of the feature and the program, referred to as the 7094 Emulator, allows execution (on IBM System/360 Model 85) of programs written for the IBM 709, 7090, 7094, and 7094II. System Reference Library Manual, 54 pages

Manual, 110 pages

GA27-2737

IBM 2909-3 ASYNCHRONOUS DATA CHANNEL RPQ F13299  
CUSTOM FEATURE DESCRIPTION  
 This manual describes the functional and operational characteristics of the 2909-3 Asynchronous Data Channel. Main topics described include: instruction and command execution, programming operation, and subchannel attachment. This publication is a reference manual for the programmer or systems engineer. Knowledge of IBM System/360 operations, particularly storage addressing, data formats, and machine instruction formats as explained in IBM SYSTEM/360 PRINCIPLES OF OPERATION SRL, Form GA22-6821, is a prerequisite to using this publication. Also needed are experience with programming concepts and techniques or completion of basic courses of instruction in these areas. System Reference Library Manual, 38 pages

GA27-2750

IBM 3270 PROBLEM DETERMINATION GUIDE  
 This guide is intended for operators using the IBM 3270 Information Display System. On the basis of yes-or-no answers to logical questions, the operator is enabled to determine whether outside assistance is required to resolve an apparent problem. In these cases, the problem area is identified. In other cases, when apparent problems are the result of procedural errors, this is quickly recognized, and the operator is advised to restart the operation. Manual, approximately 36 pages

GA27-2739

AN INTRODUCTION TO THE IBM 3270 INFORMATION DISPLAY SYSTEM  
 This publication provides customer executives, installation managers and planners, and IBM marketing representatives with planning information about the IBM 3270 Information Display System, which includes local and remote display stations and printers. The publication:  
 o Describes the 3270 hardware (units, features, functional capabilities) and its programming support.  
 o Outlines applications for alphameric displays and guidelines for conversion.  
 o Gives data on human factors, installation planning, reliability, and performance.  
 This publication is primarily a planning aid and will be supplemented with reference documentation.  
 The current major revision incorporates descriptions of the following special features: Dial, IBM 600/1200 bps Line Adapter, IBM 600/1200 bps Line Adapter with auto answer, Switched Network Back capability, and 4800/7200 bps Transmission Speed. Manual, 76 pages

GA27-2752

IBM 3284/3286 PRINTER CUSTOM FEATURE DESCRIPTION MARGIN STOP  
VARIABLE RPQ #EB3995  
 This document contains information relating to the Margin Stop Variable feature (RPQ EB3995). When implemented in the 3284/3286 Printers (all models), this feature allows for printer platens of varying lengths to be interchanged by the operator.  
 The data presented herein is directed solely to a printer operator. It is intended to serve as an instructional guide in the basic rudiments of those platen removal and installation procedures that may be performed by an operator once the custom feature has been installed in the 3284/3286 Printers. Manual, 6 pages

GA27-2740

IBM 7412 MODEL 1 CONSOLE, CUSTOM SYSTEMS RPQ AA2846,  
CUSTOM FEATURE DESCRIPTION  
 This reference manual describes the functional characteristics and features of the IBM 7412-1 Console with the IBM 3215-1 Console Printer-Keyboard. This publication is intended for System Analysts, Programmers, and Operators. Assumed is a background knowledge of the IBM System/360 and System/370, and of the I/O Interface. Manual, 26 pages

GA27-2753

IBM 3284/3286 PRINTER CUSTOM FEATURE DESCRIPTION VERTICAL  
FORMS INDEX CONTROL (RPQ EB4324)  
 This document contains information relating to the Vertical Forms Index Control feature (RPQ EB4324). The data contained herein is directed to a customer, his programmer and computer operator, and is intended to assist them in the application of this feature when used in 3284/3286 Printers. Manual, 12 pages

GA27-2741

INSTALLATION BULLETIN PHYSICAL PLANNING FOR IBM 7412  
CONSOLE MODEL 1 CUSTOM SYSTEMS RPQ AA2846  
 This publication provides physical planning information for the IBM 7412-1 Console with the IBM 3215-1 Console Keyboard. Included are physical specifications and cable, electrical, and environmental requirements. Manual, 2 pages

GA27-2758

IBM 3270 INFORMATION DISPLAY SYSTEM CUSTOM FEATURE  
DESCRIPTION, DUAL CASE CHARACTER SET RPQ 8K0366  
 This manual contains a description of the Dual Case Character Set (RPQ 8K0366) intended for customers, planners, marketing representatives, and programmers. Manual, 22 pages

GA27-2742

OPERATOR'S GUIDE FOR IBM 3270 INFORMATION DISPLAY SYSTEMS  
 Operator controls, indicators, and keys for all 3270 display station and printer models discussed in detail, along with typical operating and error-recovery procedures. Use of the operator identification card reader is also discussed. The manual's organization and layout are intended to aid the reader in learning to operate the display station and printer, and also to improve the retrievability of information for an operator using the guide as a reference source. Readers of this manual need no previous knowledge of computers, display stations, or data processing. Manual, 116 pages

GA27-2762

IBM 3600 FINANCE COMMUNICATION SYSTEM CONFIGURATOR  
 This manual shows all the units that compose the IBM 3600 Finance Communication System. The manual contains the basic, specify, and special features of each unit (identified by name and feature number from the sales manual). Data required to prepare configurations is included. This document is intended primarily for marketing personnel and for customers. Manual, 14 pages

GA27-2749

IBM 3270 INFORMATION DISPLAY SYSTEM COMPONENT DESCRIPTION  
 This manual includes a description of the following special features: Dial, Line Adapter, Line Adapter with Auto Answer, Switched Network Backup, and 4800/7200 bps Transmission speed. In addition, a discussion of command execution timing considerations has been added, and additional descriptions are provided for the following topics: attribute characters, locked keyboard recovery using the RESET key, Numeric Lock special feature operation and Operator Identification Card Reader character code formats. The new information is useful to programmers, analyst and in a more general way to management personnel.

GA27-2764

INTRODUCING THE IBM 3600 FINANCE COMMUNICATION SYSTEM  
SYSTEMS MANUAL  
 This manual introduces the IBM 3600 Finance Communication System to the financial institution users, primarily clerks and tellers. The manual describes: (1) the overall system related to the financial institution's operations, (2) each unit, what it is, how it is used in performing transactions, and the advantages, and (3) significant features that relate to the institution's operations (those of interest to the audience). Manual

GA27-2765

IBM 3600 FINANCE COMMUNICATION SYSTEM MANAGEMENT PLANNING  
GUIDE  
 This manual familiarizes the financial institution's management with the 3600 system. It gives the reader examples of how the system will affect his operations. It also explains the planning and teamwork that will be necessary before and during installation of the system. Manual

GA27-2766

IBM 3600 FINANCE COMMUNICATION SYSTEM INSTALLATION MANUAL  
PHYSICAL PLANNING  
 This manual guides customers in planning the physical installation of the terminals and controllers of the IBM 3600 Finance Communication System in branch offices. This manual includes floor planning information, electrical and environmental requirements, and cabling information. Systems Manual, 60 pages

GA27-2767

AN INTRODUCTION TO THE IBM 3790 COMMUNICATION SYSTEM  
 Contains introductory information about the 3790 System intended for the person responsible for planning the system installation. Summarizes hardware and software components

and gives a general description of a 3790 communication network, which consists of a central data processing system, telecommunications lines, and one or more 3790 systems. Provides a description of programming and data sets and gives application design considerations and operating characteristics.  
Manual, 60 pages

## GA27-2768

3790 COMMUNICATION SYSTEM CONFIGURATOR  
Provides figures enabling a prospect customer to configure a 3790 Communication System from the following components: 3791 Contoller, 3792 Auxiliary Control Units, 3793 Keyboard Printers, 3277 Display Stations, and 2741 Communication Terminals. Includes summaries of features for each component and guidelines to system configuration.  
Manual, 36 pages

## GA27-2769

IBM 3790 COMMUNICATION SYSTEM INSTALLATION MANUAL PHYSICAL PLANNING  
This manual provides physical and environmental data, cabling requirements and descriptions of the planning phase when installing a 3790 Communication system. The manual is intended mainly for customers and DP physical planning personnel, and as reference information for FE personnel.  
Manual, 44 pages

## GA27-2770

A GUIDE TO 60 HERTZ UPS SELECTION  
The Power Warning Feature provides for an automatic interruption and permits implementation of orderly shutdown and recovery procedures following power-line disturbances on System/370 Models 158 and 168 supported by an Uninterruptible Power Supply (UPS). This manual provides information to guide the customer in the selection of a 60-Hertz UPS. It (1) discusses input and output power characteristics, operating environmental conditions, and other performance requirements and it (2) describes the UPS required.  
Manual, 16 pages

## GA27-2771

A GUIDE TO 50 HERTZ UPS SELECTION  
The Power Warning Feature provides for an automatic interruption and permits implementation of orderly shutdown and recovery procedures following power-line disturbances on System/370 Models 158 and 168 supported by an Uninterruptible Power Supply (UPS). This manual provides information to guide the customer in the selection of a 50-Hertz UPS. It (1) discusses input and output power characteristics, operating environmental conditions, and other performance requirements and it (2) describes the UPS required.  
Manual, 15 pages

## GA27-2772

A UPS INSTALLATION PLANNING GUIDE  
This document is intended to assist the IBM System/370 user in determining UPS requirements for his EDP operations and to guide him in planning and implementing the installation of a UPS that will satisfy the requirements. This document is basically a check list that is amplified by descriptive narrative to identify the significant UPS installation planning factors. It is chronologically arranged to cover the period ranging from the earliest planning stage to the final testing and acceptance of the UPS installation at his EDP location.  
Manual, 20 pages

## GA27-2774

A GUIDE TO USING THE TEST REQUEST FEATURE ON IBM 3270 INFORMATION DISPLAY SYSTEMS  
This guide is intended for operators using the IBM 3270 Information Display System. It provides simplified instructions for using the Test Request Feature, commonly known as RFTs (Request for Test procedures). Although the information has appeared in several other publications, its presentation in this self-contained booklet makes it readily accessible and more likely to be used when desirable.  
System Library, 32 pages

## GA27-3001

IBM 2740/2741 COMMUNICATIONS TERMINAL - OPERATOR'S GUIDE  
This publication describes the setup and operating procedures for the IBM 2740 and IBM 2741 Communications Terminals when operating in local and communicate mode. The line-control signals and transmission controls are fully described for each terminal. Removal and replacement procedures for the typewriter are also fully described along with recommended typing procedures to ensure the most efficient operation of the terminals.  
Systems Reference Library Manual, 62 pages

## GA27-3004

GENERAL INFORMATION - BINARY SYNCHRONOUS COMMUNICATIONS  
This publication describes the Binary Synchronous Communications (BSC) procedures in general terms. The major topics covered are: BSC concepts (including

transmission codes and data-link operation), message formats, additional data-link capabilities, and planning considerations.  
Systems Reference Library Manual, 36 pages

## GA27-3005

IBM 2780 DATA TRANSMISSION TERMINAL - COMPONENT DESCRIPTION  
This Component Description manual describes the principles of operation of the IBM 2780 Data Transmission Terminal. The data-link control characters, code structures, timeouts, and throughput rates associated with the Binary Synchronous method of transmission are described.  
The communications facilities, data sets, and special features available for this Tele-processing terminal are also discussed.  
Systems Reference Library Manual, 78 pages

## GA27-3006

IBM REMOTE MULTIPLEXERS AND COMMUNICATIONS TERMINALS INSTALLATION MANUAL - PHYSICAL PLANNING  
This publication contains physical planning information for IBM Remote Multiplexers and Communications Terminals. Included are physical specifications, electrical and environmental requirements, cabling requirements, and available communications facilities.  
Systems Reference Library Manual, 64 pages

## GA27-3011

IBM 2760 OPTICAL IMAGE UNIT COMPONENT DESCRIPTION  
This Component Description Manual describes the principles of operation of the IBM 2760 Optical Image Unit when attached to an IBM 2740 Communications Terminal, Model 1. Line-control signals, message formats, special features, communication facilities, and data sets that can be used with this Tele-processing terminal are also discussed. A major section concerning the preparation of artwork and the photographic procedures involved in creating a filmstrip for use in this unit will be found toward the end of the manual.  
Systems Reference Library Manual, 52 pages

## GA27-3013

SYSTEM COMPONENTS: IBM 2770 DATA COMMUNICATION SYSTEM  
This System Components manual describes the principles of operation of the component units of the IBM 2770 Data Communication System. The data link control characters, code structures, and timeouts associated with the Binary Synchronous method of transmission used by the 2770 are described. Also described are the operating characteristics of the various input/output devices and the specifications of the input/output media. Special features and specify features for all system units are included.  
This manual comprises descriptions of individual units within the 2770 Data Communication System.  
Systems Reference Library Manual

## GA27-3014

IBM 2770 SYSTEM SUMMARY  
The IBM 2770 Data Communication System is a modular, general-purpose terminal system that communicates either batched data or inquiry-response information, or a combination of both, with another 2770, other binary-synchronous communications terminals, and System/360 or System/370.  
As an introduction to the system, this manual points out the design highlights including optional media configurations, basic features and special features, applications, and throughput capabilities. The manual also acquaints the reader with: (1) the organization of the system - the control unit and its relationship with input and output devices, and (2) programmed, manual, and automatic (built-in) operation of the system.  
Systems Reference Library Manual

## GA27-3015

IBM 2790 DATA COMMUNICATION SYSTEM COMPONENT DESCRIPTION  
The IBM 2790 Data Communication System is a two-way, in-plant communication and production reporting system. This publication describes the units of the 2790 system, along with its capabilities, features, and applications. This publication presumes a telecommunications background and IBM System/360 experience. The purpose of this publication is to assist programmers and systems analysts in designing and operating the 2790 system.  
This publication describes the 2790 system using the 2715 Transmission Control Unit as the system controller.  
IBM 2793 Area Station  
IBM 2795 Data Entry Unit  
IBM 2796 Data Entry Unit  
IBM 2797 Data Entry Unit  
IBM 2798 Guidance Display Unit  
IBM 1035 Badge Reader  
IBM 1053 Printer  
Systems Reference Library Manual, 78 pages

## GA27-3016

IBM 2790 SYSTEM SUMMARY  
The IBM 2790 Data Communication System is a two-way, in-plant data communication and production reporting system. This 2790 System Summary is written for those who want an



introduction to the IBM 2790 system, its associated components, and its applications. A general description of each of the system components is given, with a summary of all pertinent features of each.  
System Reference Library Manual, 36 pages

## GA27-3017

IBM 2790 DATA COMMUNICATION SYSTEM INSTALLATION MANUAL PHYSICAL PLANNING

This manual provides technical information necessary for planning the physical installation of the IBM 2790 Data Communications System. Included are physical specifications and electrical requirements for each unit of the system. Typical system configurations with interunit cabling requirements are presented.

The intended customer audience includes facilities planners such as architects and consultants, contractors, operating management of the system, building superintendents, and communications technical representatives.

The intended IBM audience includes Sales Representatives, Systems Engineers, Installation Planning Representatives, and Customer Engineers.  
System Reference Library Manual, 66 pages

## GA27-3018

IBM 2770 CONFIGURATORS (MANUAL)

This manual illustrates typical configurations of the IBM 2770 Data Communication System; each input or output device that can be attached to the system is illustrated in at least one of the typical configurations. "Maximum Configuration" charts list all valid maximum configurations of input/output devices that can be attached to the 2770 system.

Specify and Special features common to both domestic and World Trade Corporation (WTC) systems and those unique to WTC systems are listed for the IBM 2772 Multi-Purpose Control Unit and Keyboard and for each input or output device that can be attached to the system.  
Manual, 88 pages

## GA27-3019

IBM 2770 DATA COMMUNICATION SYSTEM INSTALLATION MANUAL--PHYSICAL PLANNING

This publication presents detailed information concerning the physical characteristics of the IBM 2770 Data Communication System. Dimensions, weights, service clearances, physical information for each unit, and environmental and electrical requirements are included. Particular attention is devoted to information necessary for the customer to prepare his premises for actual installation of equipment. Planning assistance is available from IBM sales and installation planning representatives.  
Systems Reference Library Manual, 42 pages

## GA27-3021

IBM 2790 CONFIGURATOR

The IBM 2790 Configurator is written for IBM Salesmen, IBM Systems Engineers, and customer system evaluation management. This manual illustrates configurations for IBM 2790 Data Communications Systems attached to System/7, System/360, System/370, or to an IBM 1800 Data Acquisition and Control System. Diagrams show the relationship of all units in the system. Domestic and World Trade systems are shown in table and chart form to provide standard, special, and specify feature information.  
System Reference Library Manual, 22 pages

## GA27-3029

2721 PORTABLE AUDIO TERMINAL

This manual is designed to acquaint the reader with the basic concepts and use of the IBM 2721 Portable Audio Terminal. The publication should be used as a general guideline for useful application of the terminal. Functional and operational characteristics are discussed in detail, and no previous reading is required for an understanding of how the terminal operates as a remote input/output device. The operation of the 2721 terminal in a systems environment depends largely on how the user's program is written; therefore, the operating procedures outlined in this manual are of a general nature. The ultimate operation of the terminal depends upon the programmer's ingenuity and the applications involved.  
Systems Reference Library Manual, 28 pages

## GA27-3035

IBM 2790 DATA COMMUNICATION SYSTEM OPERATOR'S GUIDE

The IBM 2790 Data Communication System is a two-way, in-plant communication and production reporting system. This publication is designed as a guide for operating the units of the 2790 system. Operational information about the following units and features is included:

- IBM 2715 Transmission Control Unit
- IBM 2791 Area Stations
- IBM 2792 Remote Communications Controllers
- IBM 2793 Area Station
- IBM 2795 Data Entry Unit

Systems Reference Library Manual, 80 pages

## GA27-3038

OPERATOR'S GUIDE: IBM 2770 DATA COMMUNICATION SYSTEM

This Operator's Guide is designed specifically for personnel operating or implementing the IBM 2770 Data Communication System. Step-by-step operating procedures and flowchart-type error recovery procedures are included for the control unit and for each of the input/output devices.

The procedures for initiating, answering and terminating a switched-network communications link with another terminal or processor are discussed. Error message formatting and transmission procedures are also described in detail.  
Operator's Guide, 150 pages

## GA27-3039

IBM 2721 PORTABLE AUDIO TERMINAL OPERATOR'S HANDBOOK

This manual provides instructions for installing and operating the IBM 2721 Portable Audio Terminal. A section on problem determination is provided to assist the operator in deciding if the terminal requires maintenance.

For more detailed information on the functions and operation of the terminal, refer to the Systems Reference Library Manual, Component Description: IBM 2721 Portable Audio Terminal, GA27-3029.  
Manual, 15 pages

## GA27-3040

CUSTOM UNIT DESCRIPTION - 1970-1 REMOTE AUDIO RESPONSE UNIT

This manual gives basic information necessary for understanding the operating principles of the 1970-1. It includes a description of the functional units, vocabulary, communication requirements, terminals, data sets, operating principles, security, line requirements, applications, programming considerations, physical characteristics, and special alphanumeric capabilities.

The chapter "Programming Considerations" describes only general programming practices. For additional information on programming this unit with the IBM 2701 IPCA feature or Cyclic Checking feature, contact your IBM regional products marketing representative.

It is written for the systems engineer, systems analysis specialist, or the IBM System/360 programmer who is interested in the functional and operational characteristics of remote audio response units.

The reader should be familiar with teleprocessing principles and IBM System/360 programming.  
Systems Reference Library, 44 pages

## GA27-3041

IBM 1970 MODEL 1 REMOTE AUDIO RESPONSE UNITINSTALLATION MANUAL - PHYSICAL PLANNING

This manual furnishes specific details of the physical characteristics of the IBM 1970 Model 1 Remote Audio Response Unit. Included are dimensions, weights, service clearances, heat output, air flow, and electrical and environmental requirements. Also included is ordering information for the basic machine and available features. Planning assistance is also available from IBM sales and installation planning representatives.  
Systems Reference Library Manual, 16 pages

## GA27-3043

IBM 3735 PROGRAMMABLE BUFFERED TERMINAL CONCEPT AND APPLICATION

The purpose of this manual is two-fold: first, it introduces the IBM 3735 Programmable Buffered Terminal; and, second it provides planning information for those who may be involved in installing a 3735. Because of this dual purpose, not all sections of the manual may be of interest to each reader. Those interested in an overview and in the highlights of the 3735 will find the Introduction of most value; those who need more detailed information on the terminal's operation and functional capabilities will find the sections on Operating Characteristics and Implementation Considerations of most interest; systems and application programmers will find information on Programming Considerations for the 3735 in Appendix B.

Generally, the prerequisites for this manual are an understanding of the concept and application of the IBM System/360 and the IBM System/370 in a teleprocessing environment. The section on Programming Considerations requires more extensive knowledge of the applicable operating system (OS or DOS).

Although not intended as a terminal operator's guide or as a programmer's guide, the manual presents general information concerning these subjects.  
System Reference Library, 50 pages

## GA27-3044

IBM 2976 MOBILE TERMINAL SYSTEM CUSTOM SYSTEM DESCRIPTION OPERATOR'S GUIDE - PHYSICAL PLANNING

This manual is the primary source of information on the IBM 2976 Mobile Terminal System. The Mobile Terminal System provides high-speed, two-way data communications between a central IBM System/360 or System/370 and mobile terminals. It is comprised of an IBM 2976 Model 3 Transmission Control Unit, an IBM 2976 Model 5 Signal Converter, and a number of IBM 2976 Model 4 Mobile Terminals.

The manual contains both introductory and in-depth information about the system components, a discussion of programming requirements for the system, the operator information needed to use the components of the system,

diagnostic procedures for rapid problem determination, and the physical planning and installation information required for planning and installing the Mobile Terminal System.

Organization of the manual into separate parts allows the expected users to go directly to the information they require. These users include: management, programming, system analyst, and central site operating personnel; mobile terminal operators; and site planning and installation personnel.

Users who require the detailed information provided in this publication should have a basic understanding of telecommunications and radio operations and should have IBM System/360 or System/370 programming and operating experience.

Manual, 50 pages

## GA27-3048

IBM 3670 BROKERAGE COMMUNICATION SYSTEM  
SYSTEM CONCEPTS AND CONFIGURATOR

This manual presents the concepts of the IBM 3670 Brokerage Communication System for two types of users. For management and supervisory personnel, it provides an overview of the hardware that includes the purpose, design highlights, and varied applications of the system. For support personnel interested in more detail, it offers a description of individual components, program support, system organization, and data protection.

It also provides the systems planner with technical information to aid in configuring a system best suited to his needs. Included are a block diagram and a listing of the units, features, and connections that can make up a system.

Users of this manual should be familiar with the contents of IBM System/360, Introduction to Teleprocessing, GC30-2007, and IBM Teleprocessing System Summary, GA24-3090. Hardware Concepts and Configurator, 48 pages

## GA27-3049

IBM 3670 BROKERAGE COMMUNICATION SYSTEM  
INSTALLATION MANUAL--PHYSICAL PLANNING

This manual is to be used as a guide by installation planners preparing to install the IBM 3670 Brokerage Communication System. It provides technical information, recommendations, and suggestions to be used in installation planning, but no attempt has been made to give step-by-step instructions for preparing the site to receive the 3670 system.

Dimensions, weights, service clearances, physical information for each unit, and environmental and electrical requirements are covered in this manual. Information is also given on cabling, electrical outlets, communication facilities, air conditioning and humidity controls, and environmental safety. The customer's responsibility for planning the installation and preparing the site is discussed.

Planners should be familiar with the 3670, communications networks, and common-carrier services. They should also be familiar with System Library publication, IBM 3670 Brokerage Communication System, System Concepts and Configurator, GA27-3048. System Reference Library Manual, 28 pages

## GA27-3050

IBM 3670 BROKERAGE COMMUNICATION SYSTEM COMPONENT  
DESCRIPTION MANUAL

The IBM 3670 Brokerage Communication System is a subsystem designed to communicate with a TCAM supported IBM System/360 or IBM System/370. The 3670 consists of a shared terminal control unit and a number of independent applications-oriented input/output devices. The components of the 3670 are:

- IBM 3671 Shared Terminal Control Unit
- IBM 3672 Executive Console
- IBM 3673 Data Display
- IBM 3674 Printer-Keyboard

This manual serves as a reference for the components of the 3670 subsystem.

It describes standard and special features, functions, and operating characteristics of the control unit and of each of the attached devices.

A separate chapter is devoted to describing each of the four components.

This publication is written for the user who is interested in the details of machine function and design. It is intended for the customer systems analyst, the customer systems programmer, the IBM Data Processing systems engineer, the IBM Field Engineering customer engineer for machine maintenance, and the IBM Field Engineering program systems representative. It is not intended to give complete information for system implementation.

Users of this manual should be familiar with the contents of IBM 3670 Brokerage Communication System, Concepts and Configurator, GA27-3048.

This prerequisite manual offers an introduction to the concepts of the 3670 and also gives configurator information.

Manual, 50 pages

## GA27-3051

INTRODUCTION TO THE 3705 COMMUNICATIONS CONTROLLER

The IBM 3705 Communications Controller is a compatible transmission control unit designed to assume many

teleprocessing control functions formerly assigned to a teleprocessing access method. The 3705 is controlled by a program resident in the controller.

This publication contains introductory information on the hardware components of the controller and on the programs provided to support it. Any user or potential user of a 3705, including management, programmers, operators, and maintenance personnel, should be familiar with the contents of this manual. The only prerequisite for this manual is an understanding of basic teleprocessing operations. System Library Manual, 56 pages

## GA27-3055

IBM 3705 COMMUNICATIONS CONTROLLER OPERATOR'S GUIDE

This publication gives the operator of the IBM 3705 Communications Controller the information he needs to operate the 3705 under normal operating conditions and in diagnostic mode. The primary user of the manual is the operator, but anyone using the 3705 control panel for testing or diagnostics may also need to refer to it.

A special feature of the manual is a foldout diagram of the control panel. This diagram is divided into areas, each of which has a number. Throughout the book, references to a specific panel control are keyed to the section of the diagram where that control is located. For ease of reference, the diagram can be folded out to be seen with any other page of the manual.

Prerequisite Publication:  
Introduction to the IBM 3705 Communications  
Controller, GA27-3051  
Operator's Guide, 74 pages

## GA27-3058

IBM 3872 MODEM USER'S GUIDE

The IBM 3872 Modem can transfer data at rates of 2400 or 1200 bits per second. It operates on dedicated (leased or privately owned), voice-grade communications facilities. In the USA and Canada, the 3872 also operates on the public switched network.

In this publication, the 3872 is described as an item of equipment in the medium-speed modem field. The manual is in four main parts: Part 1 describes (in general terms) the IBM 3872 Modem, planning considerations, and equipment and facility considerations; Part 2 presents 3872 operating procedures and offline problem determination procedures; Part 3 describes (in detail) the IBM 3872 Modem: interface specifications, installation specifications, channel specifications, and special features. Considerations in using the 3872 in World Trade countries are included in appropriate places in the manual and are summarized in Part 4, which also contains the glossary.

This publication is intended for system planners, systems engineers, installation planners, operators, and supervisory personnel. A knowledge of teleprocessing systems is a prerequisite for Part 3 only. Operator information (Part 3) is separated from general and specific descriptive information, for easier accessibility. System Library User's Guide, 70 pages

## GA27-3059

IBM 3872 MEDIUM-SPEED MODEM DIGEST - REFERENCE SUMMARY

The information contained in this publication is a digest of the characteristics of the IBM modems listed in the chart on the inside. Each characteristic is described, following, in the order of appearance, left-to-right, in the chart.

Note: A similar chart, of the characteristics of IBM Line Adapters using FSK (frequency shift keying) modulation, is contained in Planning and Installation of a Data Communications System Using IBM Line Adapters (GA24-3435). Detailed information on each modem is contained in the IBM manual shown under "System Library Manual" in the chart. Clear-to-send delay, a modem characteristic that effects system throughput, is omitted here because system design and modem design have variations too complex to state simply. Refer to the appropriate manual for the individual modem for a description of clear-to-send delay options.

Space is provided in the chart for notes by the users. Modem Digest, 12 pages

## GA27-3061

IBM 3735 PROGRAMMABLE BUFFERED TERMINAL OPERATOR'S GUIDE

The IBM 3735 Programmable Buffered Terminal consists of two cable-connected units: a keyboard/printer and a control unit. In its typical application, the 3735 is used to prepare source documents (preprinted forms on which the terminal operator adds variable information). Programs, stored within the 3735 control unit, guide the operator during preparation of the forms, and cause selected input data to be stored for later batch transmission to a central data processing system.

This operator's guide introduces the 3735 and describes its operating procedures. Both normal operating procedures and error recovery techniques are described.

The manual assumes that the user has been previously trained in the operation of an office typewriter such as the IBM Selectric. Manual, 100 pages

GA27-3062

IBM 3872 MODEM PROBLEM DETERMINATION CARD  
This foldout card document normally accompanies a 3872 Modem to help the customer determine who to call when a communications channel using the 3872 becomes troublesome. 8-1/2 x 11 inches, 8 cards

GA27-3063

COMPONENT INFORMATION FOR THE IBM 3780 DATA COMMUNICATION TERMINAL  
This manual introduces the IBM 3780 Communication Terminal, designed to transmit and receive data accurately, quickly, and economically in a teleprocessing environment. The terminal's applications, capabilities, and design highlights are discussed, as well as use of the binary synchronous communication, a description of the associated data-link control characters, code structures, and timeouts. The manual also discusses communication facilities, IBM modems, and special features available for this teleprocessing terminal.

In-depth information for those who implement customer applications is also included. Readers concerned with the 3780's capabilities and design highlights will find the Introduction, Card Reader, and Printer sections useful, while those needing more detailed information on the terminal's operation and its binary synchronous method of communication should read the Operating Characteristics and Programming Considerations sections.

Prerequisites for this manual include an understanding of the IBM System/360 and the IBM System/370 in a teleprocessing environment, together with knowledge of the binary synchronous method of data-link control as outlined in the IBM Systems Reference Library publication, General Information--Binary Synchronous Communications, GA27-3004. Manual, 70 pages

GA27-3066

SUPPLEMENTARY OPERATOR'S AND PROGRAMMER'S GUIDE INFORMATION CARD IBM 3735 WITH IBM 129 CARD DATA RECORDER (RPO#EB1935)  
This card contains information on setup and operation, switches, the card deck, column indicator, errors, and recovery.

This guide supplements information contained in the following manuals:

Operator's Guide for IBM 3735 Programmable Buffered Terminal (GA27-3061)  
IBM 3735 Programmer's Guide (OS and DOS Systems) (GC30-3001)  
IBM 129 Card Data Recorder/Machine Description (GA22-6980)

Guide Card, 2 pages

GA27-3068

IBM 2984 MODEL 1 CASH ISSUING TERMINAL CUSTOM UNIT DESCRIPTION OPERATOR'S GUIDE

This manual is the primary source of user information on the IBM 2984 Model 1 Cash Issuing Terminal. The 2984-1 gives bank customers expanded service by providing a convenient method for withdrawing cash during normal banking hours and, for machines equipped with the Outside Access feature, this service is further expanded to include after hours cash withdrawals.

Major subjects include: introductory information, descriptions of terminal components, operation of the terminal within the 3980 System/3 problem determination and diagnostic procedures, programming and security considerations, bank cashier operating procedures, magnetic stripe bank card requirements, and a bank customer user's guide.

The manual furnishes the information needed by bank management and by customer programming, system analyst, and operating personnel to successfully use the terminal. It also gives instructions on how the bank's customer is to use the terminal.

It is essential that users of this manual be familiar with the IBM 3980 System characteristics and operating procedures. (Refer to IBM 3980 Bank Teleprocessing System Functional Characteristics, UK9-1034.) The customer's system analyst should also have an understanding of common-carrier and telecommunications practices.

For terminal installation and planning information, refer to IBM 2984 Model 1 Cash Issuing Terminal, Installation Manual-Physical Planning, GA27-3067. Manual, 82 pages

GA27-3069

SUPPLEMENTARY OPERATOR'S AND PROGRAMMER'S GUIDE INFORMATION IBM 3735 WITH IBM KEYPAD UNIT AND FILE SEARCH (RPQ #853102)  
No abstract available.  
Form

GA27-3070

3735 SUPPORT PROGRAM CODING MANUAL: NO-CHARGE PRPQ, PROG. NO. 5799-WEZ  
This publication contains coding information for the 3735 Application Package (3735AP), a series of programs allowing the user to create and save for transmission a library of application programs which will run on the IBM 3735 Programmable Buffered Terminal.

This book is directed to the 3735 forms encoder responsible for coding application programs to create forms and capture data at the IBM 3735 Programmable Buffered

Terminal, and to the programmer who must code teleprocessing support and application programs at the host System/360 computer to communicate with the 3735 and process data generated and saved at the 3735. Manual, 164 pages

GA27-3073

IBM 3735 WITH AUTO FDP EXECUTION RPQ #MB7057 OPERATOR'S CARD  
This guide supplements information contained in the Operator's Guide for IBM 3735 Programmable Buffered Terminal (GA27-3061).

It is intended for personnel who have been previously trained on an office typewriter such as the IBM Selectric. Card, 2 pages

GA27-3074

IBM 3650 RETAIL STORE SYSTEM INSTALLATION MANUAL--PHYSICAL PLANNING

This manual contains technical information, recommendations, and suggestions to be used in planning an efficient physical installation of the IBM 3650 Retail Store System. Included are physical specifications and electrical and environmental requirements for each unit of the system. Typical system configurations with interunit cabling requirements are presented. The system consists of:

- o IBM 3651 Store Controller
- o IBM 3653 Point of Sale Terminal
- o IBM 3275 Display Station, Model 3
- o IBM 3284 Printer, Model 3
- o IBM 3657 Ticket Unit
- o IBM 3659 Remote Communications Unit

The IBM 3872 Modem and IBM 4872 Modem (although not part of the 3650 system) are included in this manual because they are used with the system.

Physical Planning Manual, 36 pages

GA27-3075

IBM 3650 RETAIL STORE SYSTEM INTRODUCTION

The IBM 3650 Retail Store System is designed to satisfy the needs of the retail industry through the single, complete, and accurate recording of customer and merchandise data.

This manual describes the basic concepts of the Retail Store System, its individual devices, programming support, and configurations. The devices are:

- IBM 3275 Display Station, Model 3
- IBM 3284-3 Printer Attachment
- IBM 3651 Store Controller
- IBM 3653 Point of Sale Terminal
- IBM 3657 Ticket Unit
- IBM 3659 Remote Communications Unit

This manual is intended primarily for the retail executive and administrator. A knowledge of data processing and telecommunications concepts is required to understand and chapters on programming support and system configuration. Manual, 80 pages

GA27-3076

IBM 3660 SUPERMARKET STORE CONTROL SYSTEM INTRODUCTION

The purpose of this publication is twofold. First, to introduce the IBM 3660 Supermarket Store Control System; and second, to provide in-depth information needed to implement the various user-oriented 3660 system features. The units of the 3660 system are: IBM 3661 Supermarket Controller, IBM 3663 Supermarket Terminal, IBM 3666 Checkout Scanner, and IBM 3669 Store Communications Unit. The 3660 system is attached (using common-carrier facilities) to a host processor at a central location remote from individual supermarkets or to a designated supermarket for backup. The system operates under OS/VSI/VTAM, OS/VS2/VTAM, or DOS/VS/VTAM. The general prerequisites for this manual are an understanding of existing supermarket operations. Persons reading chapters related to programming are expected to have a understanding of an operating system and some teleprocessing knowledge.

Manual, 76 pages

GA27-3079

IBM 3660 SUPERMARKET SYSTEM INSTALLATION MANUAL - PHYSICAL PLANNING

This publication should be used by people responsible for physical planning for the IBM 3660 Supermarket System. It includes physical specifications and electrical and environmental requirements for the following units:

- IBM 3661 Supermarket Controller
- IBM 3663 Supermarket Terminal
- IBM 3666 Checkout Scanner
- IBM 3667 Store Communications Unit

Manual, 40 pages

GA27-3091

IBM 3704 OPERATOR REFERENCE SUMMARY

This reference card accompanies the Guide to Using the IBM 3704 Control Panel (or may be ordered separately) and provides the operator with an easy reference for basic 3704 operating procedures.

It lists the procedures to be followed in preparing the 3704 for operating (up to IPL) and the basic error recovery procedures.

Reference Summary, 6 panels

GA27-3092

IBM 3705 OPERATOR REFERENCE SUMMARY

This reference card accompanies the guide to Using the IBM 3705 Control Panel (or may be ordered separately) and provides the operator with an easy reference for basic 3705 operating procedures.

It lists the procedures to be followed in preparing the 3705 for operation (up to IPL) and the basic error recovery procedures.

Reference Summary, 6 panels

GA32-0006

TAPE SPECIFICATIONS FOR IBM ONE-HALF INCH TAPE DRIVES AT: 556 AND 800 BPI AND 3200 FCI

This manual provides the specifications and requirements for magnetic tape to be used on IBM Tape Drives. The specifications are presented in two parts: General information and Tape Properties Essential for IBM Tape Drive Use. The latter section covers minimum properties required for tape use on all IBM Tape Drives.  
Manual, 11 pages

GA32-0007

COMPONENT DESCRIPTION IBM 2420 MODEL 5 MAGNETIC TAPE UNIT

This bulletin describes the characteristics, functions, and features of the IBM 2420 Model 5 Magnetic Tape Unit.  
Systems Reference Library Manual, 12 pages

GA32-0009

IBM 2968 TAPE TRANSMISSION UNIT MODELS 7 AND 10: CUSTOM FEATURE COMPONENT SUMMARY

This manual contains a comprehensive presentation of the characteristics, functions, and features of the IBM 2968-7, 10 Tape Transmission Unit, and a general description of the Binary Synchronous Adapter. In addition, operator error recovery procedures are described.

This manual also includes reference material for Installation Planning, as an aid to Systems Engineers and Customer Engineers.

This manual will assist customers and operators in understanding operating procedures of the device.  
Systems Reference Library Manual, 56 pages

GA32-0015

IBM 3410/3411 MAGNETIC TAPE SUBSYSTEM COMPONENT SUMMARY MANUAL

This manual will give potential customers a general introduction to the 3410/3411 Magnetic Tape Subsystem. The manual describes the IBM 3410 Models 1, 2, and 3 Magnetic Tape Units and the IBM 3411 Magnetic Tape Unit and Control.  
Manual, 8 pages

GA32-0020

3803/3420 MAGNETIC TAPE SUBSYSTEMS

This manual describes the IBM 3803 Model 1 Tape Control and the IBM 3420 Models 3, 5, and 7 Magnetic Tape Units. The 3803 Model 1 tape control provides communication between the tape units and the system input/output interface. The 3420 Models 3, 5, and 7 tape units read and write one-half inch magnetic tape at 75, 125, and 200 inches per second respectively. All three basic tape units read and write nine-track, 1,600 bytes per inch (bpi), phase-encoded format. Nine-track, 800 bpi NRZI recording mode is available as a feature on all models. Seven-track, 556/800 bpi NRZI recording mode is an optional feature on all models.

A reader should be familiar with IBM SYSTEM/360 I/O INTERFACE, CHANNEL TO CONTROL UNIT, ORIGINAL EQUIPMENT MANUFACTURERS' INFORMATION, Form GA22-6843, and IBM SYSTEM/360 PRINCIPLES OF OPERATION, Form GA22-6821 (sections on input/output operations). System/370 users should also refer to IBM SYSTEM/370 PRINCIPLES OF OPERATION, Form GA22-7000.

Systems Reference Library Manual, 32 pages

GA32-0021

IBM 3803-2/3420 MAGNETIC TAPE SUBSYSTEMS SUBSYSTEM DESCRIPTION

This manual describes the IBM 3803 Model 2 Tape Control and the IBM 3420 Models 3 through 8 Magnetic Tape Units. The 3803 Model 2 Tape Control provides communication between the tape units and the system input/output interface.

The 3420 Models 3/4, 5/6, and 7/8 read and write one-half inch magnetic tape at 75, 125, and 200 inches per second respectively. The 3420 Models 4, 6, and 8 read and write 9-track 6,250 bytes per inch (bpi) group coded recording (GCR) format.

The basic 3420 Models 3, 5, and 7 read and write nine track, 1,600 bpi, phase-encoded format. Nine track, 800 bpi NRZI recording mode and seven-track 800/556/200 bpi NRZI recording mode are available as features on the 3420 Models 3, 5, and 7 and on the 3803 Model 2.

A reader should be familiar with IBM System/360 Principles of Operation, GA22-6821 (section on I/O operations) and IBM System/370 Principles of Operation, GA22-7000 (section on I/O Operations).  
Manual, 60 pages

GA32-0022

IBM 3410/3411 MAGNETIC TAPE SUBSYSTEM COMPONENT DESCRIPTION MANUAL

No abstract available.  
Manual, 44 pages

GA32-0023

IBM 3803/3420 CUSTOMER CONVERSION GUIDE

This document guides the IBM marketing representative and the IBM customer in planning a field conversion of 3803-1 and 3420-3, 5, 7 tape subsystems to 3803-2 and 3420-4, 6, 8 (6250 bpi) tape subsystems.

Notify the IBM Field Engineering representative early in the planning stages of the conversion. An early conference with him should be helpful to both of you.

Manual, 16 pages

GA33-0001

IBM 3875 MODEM USER'S GUIDE

In this publication the 3875 Modem is described, and interface details, installation planning, and operating and operator maintenance procedures are given. Differences between operation in the USA and other countries are described in the appropriate parts of the publication, and a summary is given in an appendix.

The content is intended for:

- o Systems Engineers
- o Installation Planning Engineers
- o Operators

The information for systems engineers presupposes a knowledge of teleprocessing, but the information for installation planning engineers and operators requires no such understanding.

Systems Library Manual, 56 pages

GA33-0002

IBM 3874 MODEM USER'S GUIDE

This publication is written for operators, system engineers, and installation planning engineers who are using or intend to use the IBM 3874 modem in a teleprocessing system.

The

manual is divided into four parts:

- o Part 1. General Information
- o Part 2. Operator's Information
- o Part 3. Technical Description
- o Part 4. Appendixes.

No previous teleprocessing experience is required to understand the information given in Parts 1 and 2.

Manual, 78 pages

GA33-1506 see page 337

GA33-1507

IBM SYSTEM/370 MODEL 125 CONFIGURATOR

This configurator is a table showing the models, features, and attachments for the System/360 Model 125 central processing unit. It is intended to be used by IBM Marketing representatives, IBM System engineers, or customer systems evaluation management.

Associated publications are:

- IBM System/370 Input/Output Configurator - GA22-7002
- IBM 3125 Processing Unit Integrated Communications Adapter: Configurator - GA33-1508

Systems Library Manual, 8 pages

GA33-1508

IBM 3125 PROCESSING UNIT INTEGRATED COMMUNICATIONS ADAPTER: CONFIGURATOR MANUAL

IBM System/370/125 Integrated Communications Adapter Configurator consists of a number of text pages and overlays to be used when selecting a System/370 Model 125 teleprocessing configuration. The system/370 Model 125 Integrated Communications Adapter is a teleprocessing attachment that can serve up to six binary synchronous lines and up to sixteen start/stop (asynchronous) lines. The publication is intended to be used by IBM marketing representatives, or experienced customer personnel, when detailed information is required about line speeds, interface types, line control types load factors and the line adapters and their interrelationship. Feature and specified codes are also given for ordering purposes.  
Textbook, 54 pages, 40 acetate overlays

GA33-1509

IBM SYSTEM/370 MODEL 125 OPERATION PROCEDURES

This manual is intended for operating personnel using the System/370 Model 125.

The manual is divided into four sections: The Introduction, The Operation Console, Operation Actions and the Appendix. The section on the operator console describes the hardware and the facilities available for the manual control of the system. The section on the operator actions describes how the facilities are used, how to handle unexpected situations, and how to recover from a fault. The appendix provides reference information for the handling of I/O devices that can be directly attached (no control unit or channel is needed) to the Model 125. Restart procedures for the 2560 multifunction Card Machine, attached directly to the Model 125, are also given.

Manual, 120 pages

## GA33-1510

IBM SYSTEM/370 MODEL 115 FUNCTIONAL CHARACTERISTICS

Contains information on the operations of the System/370 Model 115. The Model 115 is a general purpose data processing system, with a direct disk attachment as a standard feature. It can be equipped with integrated attachments or adapters for magnetic tape units, a line printer, a console printer, and teleprocessing devices. A multiplexer channel or an integrated attachment for a multi-function card device is available. The manual describes the basic architecture and features of the central processing unit, and the channel characteristics.

The intended readership consists mainly of systems analysts evaluating the capabilities of the Model 115 in terms of its manual and program operations, and of system programmers writing channel programs or operating systems. The first main section of the publication, "System Control", describes the architectural features, and gives details of mode selection and other manual operations. The second main section describes the channel characteristics, and specifies the commands, status and sense information of the I/O devices controlled by integrated attachments and adapters. A separate chapter describes the teleprocessing attachment. Instruction timings are listed in an appendix. Prerequisite publications:

IBM System/370 System Summary, GA22-6821  
 IBM System/370 Principles of Operation, GA22-7000 Manual, 244 pages

- o Magnetic tape adapter
  - o Integrated communications adapter
  - o Integrated console printer attachment
  - o Integrated printer attachment
  - o Integrated card I/O attachment.
  - b. Restart Procedures for the IBM 2560 Multi-Function Card Machine (MFCM) and the IBM 5425 Multi-Function Card Unit (MFCU).
  - c. A description of the choices on the "Line Modes for ICA" displays.
  - d. Conversion tables.
  - 6. A glossary, bibliography, and index.
- Systems library manual, 130 pages

## GA33-1515

IBM 3203 PRINTER COMPONENT DESCRIPTION AND OPERATOR'S GUIDE

This publication provides reference information for the users of the IBM 3203 Printer. It is written mainly for the benefit of programmers and operators but is also of interest to system supervisors and engineers.

The main purposes of the publication are to provide a general introduction to the 3203, its components, method of operation, and requirements; to describe the channel commands, status responses and error recovery procedures; and to explain the various operating procedures. A section on printer throughput is included for system analysts who wish to calculate the performance of the machine. A separate chapter covers the requirements and procedures for producing printed output that can be processed by optional character readers.

Manual, 54 pages

## GA33-1511

IBM SYSTEM/370 MODEL 115 CONFIGURATOR

This configurator is intended for sales personnel, systems engineers and customer systems evaluation management. This configurator provides a concise graphic description of the Model 115 with standard and optical features, as well as all possible configurations of I/O devices which can be directly attached to the Model 115.

Manual

## GA33-1516

IBM SYSTEM/370 MODEL 115 CHANNEL CHARACTERISTICS

This manual describes how the effects of imposing loads on the channels of the IBM System/370 Model 115 can be checked. The book is intended for physical planning engineers and systems analysts who wish to check that a proposed configuration of input/output (I/O) devices will work satisfactorily in the System/370 Model 115.

The first section of the book describes the types of channels to which I/O devices can be connected, the theoretical data rates of the channels, and the possible effects of imposing heavy I/O loads on those channels. The effects considered are: data overrun, loss of device performance, channel interference with the machine instruction processor (MIP), program overrun, and excessive channel utilization.

The second section gives the procedures for testing data overrun on the byte-multiplexer channel. This section also includes a description of how to assign priorities to devices on the byte-multiplexer channel.

The third section deals with interference with the MIP that is caused by activities on the channels, and describes how the interference can be assessed. The same section also shows how to check for the possibility of program overrun.

The fourth section describes the concept of channel utilization.

Before using this manual, the reader should have a thorough understanding of input/output operations for the Model 115 as described in: IBM System/370 Model 115 Functional Characteristics, GA33-1510. IBM System/370 Principles of Operation, GA22-7000.

When calculating for data overrun on the byte multiplexer channel, a special worksheet is required: IBM System/370 Model 115 Byte-Multiplexer Channel: Load Sum Worksheet GX33-6007, available in pads of 50. System library manual, 44 pages

## GA33-1512

IBM SYSTEM/370 MODEL 125 CHANNEL CHARACTERISTICS

This manual describes how the effects of imposing loads on the channels of the IBM System/370 Model 125 can be checked. The book is intended for physical planning engineers and systems analysts who wish to check that a proposed configuration of input/output devices will work satisfactorily in the System/370 Model 125.

The manual is divided into four sections. Section one describes the channels in terms of type, theoretical data rates, and the effects of loading. Section two describes how to test for data overrun, and how to assign priorities to devices on the byte multiplexer channel. Section three describes how the interference of the activities of the channels with the IPU can be assessed. Section four describes the concept of channel utilization.

Before using this manual the reader should understand input/output operations for the Model 125 as described in:

IBM System/370 Model 125 Functional Characteristics, GA33-1506  
 IBM System/370 Principles of Operation, GA22-6821  
 IBM System/370 Principles of Operation, GA22-7000 Manual, 36 pages

## GA33-1513

IBM 3115 PROCESSING UNIT INTEGRATED COMMUNICATIONS ADAPTER CONFIGURATOR

Consists of a number of text pages and overlays to be used when selecting a System/370 Model 115 teleprocessing configuration. The System/370 Model 115 Integrated Communications Adapter is a teleprocessing attachment that can serve up to five binary synchronous lines and up to eight start/stop (asynchronous) lines. The publication is intended to be used by IBM marketing representatives, or experienced customer personnel, when detailed information is required about line speeds, interface types, line control types load factors and the line adapters and their interrelationship. Feature and specified codes are also given for ordering purposes.

Manual

## GA33-3005

IBM SYSTEM/370 MODEL 135 FUNCTIONAL CHARACTERISTICS

This publication describes the capabilities, features, input/output channels, integrated adapters, and operations of the IBM System/370 Model 135. The information includes the relationship of System/370 Model 135 to the IBM System/360. The publication is intended for users and potential users (such as systems analysts and programmers) of the System/370 Model 135. The reader is assumed to have a working knowledge of IBM System/370 Principles of Operation (GA22-7000) and IBM System/370 System Summary (GA22-7001).

Manual, 94 pages

## GA33-1514

OPERATOR'S LIBRARY SYSTEM/370 MODEL 115 PROCEDURES

This manual provides operating and reference information for operators of the IBM System/370 Model 115. The reader is assumed to have a working knowledge of Introduction to IBM Data Processing Systems, GC20-1684, and some previous operating experience on either a similar system or on related data processing equipment.

This manual describes how to operate the system hardware of the IBM 3115 Processing Unit.

The manual is divided into:

1. Preliminary information, including action to be taken in an emergency.
2. "Introduction", which briefly describes the system.
3. "Facilities," which describes the operator console, keyboard and video display screen.
4. "Actions," which describes the preparation of the system for operation, and the handling of unexpected situations which may occur during preparation and operation.
5. "Appendix," which provides:
  - a. Reference information on the:
    - o Direct disk attachment

## GA33-3007

IBM SYSTEM/370 MODEL 135-TERMINAL ADAPTER TYPE I MODEL II (FOR ICA): SPECIAL FEATURE DESCRIPTION SYSTEM LIBRARY MANUAL

This manual provides information for writing channel programs for the Terminal Adapter Type I Model II subfeature in the Integrated Communications Adapter (ICA) base feature of the IBM System/370 Model 135.

The manual is intended for applications programmers who use the assembler language and who are familiar with input/output programming as described in IBM System/360 Principles of Operation (GA22-6821) and IBM System/370 Principles of Operation (GA22-7000).

The Terminal Adapter Type I Model II subfeature covered by this manual allows the Model 135 to communicate with remote start/stop terminals such as the IBM 1050 Data Communications Terminals, and IBM System/7.

The first section of the manual outlines the relationship of the ICA to the CPU main storage and to the external communication link. Subsequent sections give details of transmission codes, methods of error detection,

special characters, status and sense information, and communication procedures. Appendixes give information about the particular requirements of the remote devices. Manual, 56 pages

System/370 Model 135 to communicate with remote teletypewriter-exchange-service (TWX) terminals, Models 33 & 35.

The first section of the manual outlines the relationship of the ICA to the main storage of the 3135 Processing Unit and to the external communication link; the section also gives input/output programming information. The remaining sections of the manual apply solely to the Telegraph Adapter Type II feature and give the programmer details of: Transmission codes, Methods of error detection, Control characters, commands, status and sense information, communication procedures and line monitoring.

An appendix give the TWX code structure for the remote devices. Manual, 30 pages

## GA33-3008

IBM SYSTEM/370 MODEL 135 TERMINAL ADAPTER TYPE III FOR ICA: SPECIAL FEATURE DESCRIPTION

This manual provides information for writing channel programs for the Terminal Adapter Type III subfeature in the integrated communications adapter (ICA) base feature of the IBM System/370 Model 135.

The manual is intended for applications programmers who use assembler language and who are familiar with input/output programming as described in IBM System/360 Principles of Operation (GA22-6821) and IBM System/370 Principles of Operation (GA22-7000).

The Terminal Adapter Type III subfeature allows the Model 135 to communicate with remotely sited IBM 2260 or 2265 Display Stations, via IBM 2848 or 2845 Display Controls, respectively.

The first section of the manual outlines the relationship of the ICA to the CPU main storage and to the external communication link. Subsequent sections give details of transmission codes, methods of error detection, special characters, commands, status and sense information, and communication procedures. System Library Manual, 36 pages

## GA33-3009

IBM SYSTEM/370 MODEL 135-SYNCHRONOUS DATA ADAPTER TYPE II (FOR ICA): SPECIAL FEATURE DESCRIPTION

This manual provides reference information for programmers writing channel programs for the Synchronous Data Adapter Type II subfeature in the Integrated Communication Adapter (ICA) feature of the IBM System/370 Model 135.

The Synchronous Data Adapter Type II subfeature allows the Model 135 to communicate with other processing systems and terminals that operate under binary synchronous communications procedures.

The manual is intended for applications programmers who use assembler language and who are familiar with input/output programming as described in IBM System/360 Principles of Operation (GA22-6821) and IBM System/370 Principles of Operation (GA22-7000). The reader should also be familiar with the basic principles of binary synchronous communications, such as is given in General Information - Binary Synchronous Communications (GA27-3004).

The first section of the manual outlines the relationship of the ICA to the CPU main storage and to the external communication link; the second section summarizes the principles of binary synchronous communications. Subsequent sections give details of the transmission codes used in the Synchronous Data Adapter Type II, the error detection methods used, control characters, commands, status and sense information, and operations of the adapter. Manual, 64 pages

## GA33-3010

IBM SYSTEM/370 MODEL 135 CHANNEL CHARACTERISTICS

This manual provides information needed for checking that a proposed configuration of I/O devices on the channels of IBM System/370 will work satisfactorily. The book is intended for use in systems assurance work at the planning stage.

Procedures with examples are given for testing the effects of imposing heavy loads on the Model 135 channels. The effects covered are: data overrun, loss of device performance, channel interference with the CPU, program overrun, and excessive channel utilization.

Additional but related topics covered in the book are: (1) priority sequence of devices on the byte-multiplexer channel (with examples that include the 1419 Magnetic Character Reader with expanded capability); (2) the effects of clock-multiplexing on channel busy time and percentage channel utilization; and (3) channel programming conventions, upon which the validity of test procedures in the book is based.

Prerequisite Publications

The reader must be familiar with System/370 input/output operations as presented in:

- IBM System/360 Principles of Operation GA22-6821
- IBM System/370 Principles of Operation GA22-7000
- IBM System/370 Model 135 Functional Characteristics GA33-3005

IBM System/360 and System/370 Interface Channel Unit Original Equipment Manufacturers Information GA22-6974.

For testing data overrun on the byte-multiplexer channel, the following special worksheet is required: IBM System/370 Model 135 Byte-Multiplexer Channel: Load Sum Worksheet GX33-6004.

Manual, 120 pages

## GA33-3011

IBM SYSTEM/370 MODEL 135 - TELEGRAPH ADAPTER TYPE II (FOR ICA): SPECIAL FEATURE DESCRIPTION MANUAL

This manual is primarily for communication programmers who wish to write their own channel programs for the Telegraph Adapter Type II feature. The manual will also be of interest to programmers who intend to use programs that are available from IBM. The Telegraph Adapter Type II feature (available in USA only) is one of the optional subfeatures in the integrated communications adapter (ICA) feature of the IBM 3135 Processing Unit. The subfeature allows the IBM

## GA33-3014

IBM SYSTEM/370 MODEL 135 CONFIGURATOR

This publication lists the standard, optional, and selective features of the IBM System/370 Model 135, and describes how these features attach to the System/370 Model 135. Details of feature numbers, prerequisite features, programming support, and control storage requirements are also given.

This configurator is intended for IBM marketing personnel, and for customer systems planners; that is, it is intended for readers who are involved with planning Model 135 system configurators and who need to know how the features and combinations of features can be attached to the Model 135. To make the best use of this configurator, the reader should be familiar with the information in IBM System/370 Model 135 Functional Characteristics.

This configurator lists the Model 135 features under the following general headings:

- o standard, optional, and selective features
- o instruction sets
- o channels
- o integrated adapters

Manual, 44 pages

## GA33-3015

REFERENCE MANUAL FOR IBM 5985 COLOR DISPLAY CONTROL UNIT MODEL H02 AND IBM 5941 DISPLAY CONSOLE MODEL H02 (SEE ABSTRACT FOR RPQ'S)

U.S.A., Canada: RPQs Y94176 and 7H0014. Other countries: RPQs 7H0020 and 7H0023. Provides reference information for operating and programming the color display subsystem, which attaches to IBM System/370. The subsystem displays text and graphic data on color television monitors that are provided by the user.

The manual has two main sections. The first section describes the operation of the keys, pushbuttons, and lights of the 5941-H02 Display Console, and gives examples of normal operation and the corrective actions to be taken in unexpected situations. It is intended for operators who have a working knowledge of Introduction to IBM Data Processing Systems, GC20-1684.

The second section, which is for programmers, describes how to generate a character set, manipulate the information on the screen, control some of the lights on the display console for operator guidance, and simulate messages from the display console to check its operation. Programmers should be familiar with channel programming for System/370. System Library Manual, 36 pages

## GA33-4500

IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2826 PAPER TAPE CONTROL UNIT 1017 PAPER TAPE READER 1018 PAPER TAPE PUNCH

This publication describes the above named paper tape input/output components for the reading and punching of paper or Mylar\* tape. Attachment is to the multiplexer channel of the IBM System/360 Models 25, 30, 40, and 50. The channel commands necessary to control the operation of the above units, and the status and sense bytes provided by the control unit, are fully described.

Controls, tape specifications, tape-splicing procedures, tape-loading procedures, and special features are also described.

Systems Reference Library Manual, 42 pages

## GA34-0016

IBM 5275 DIRECT NUMERICAL CONTROL STATION INTRODUCTION AND COMPONENT DESCRIPTION

Provides a description of the 5275 and its function in a numerical control environment. It is intended for customer executives, installation managers, application programmers, and those involved with the physical installation and maintenance of the terminal.

This publication provides: a comparison of conventional numerical control systems to the improved system using the 5275; a brief functional description of the terminal and its major components; human factor considerations; a detailed description of the functional capabilities; highlights of the programming support; and information concerning installation planning, reliability, availability, and performance considerations.

Only a general knowledge of data processing, numerical control systems, and the steps involved in making a part (part programming) is required to use this manual. Manual, 100 pages

GA34-1507

IBM SYSTEM/7-360/370 CHANNEL ATTACHMENT: GENERAL INFORMATION MANUAL, RPQ D08112

This manual describes the RPQ D08112 (System/7 360/370 channel attachment, and RPQD08113 two channel switch). It contains a general explanation of System/7 360/370 attachment to 360/370 channel data transfer sequences. For correct operation, the machine language instructions, status and sense bytes are explained in detail.  
Manual, 36 pages

GA34-1511

SYSTEM/370 IBM 5098-N05 SENSOR BASED CONTROL UNIT GENERAL INFORMATION MANUAL

This manual describes the configuration of the SBCU with System/370 and System/7. It describes the functional operation of the SBCU along with an explanation of the 370 channel commands issued to it. This publication also describes the order and responses sent between the SBCA and SBCU.  
Manual

GA34-1531

IBM 5275 MACHINE TOOL CONTROL UNIT (MCU) ACCESSORY RPQ D08286: GENERAL INFORMATION MANUAL

This publication is intended to be instructional and will introduce the reader to the Machine Tool Control Accessory Unit (D08286) and how it relates to the IBM 5275 and the Machine Tool Control Unit. This publication was written for service personnel and individuals concerned with machine tool control. It is assumed that the reader of this publication is familiar with the IBM 5275 and how it interfaces with the Machine Tool Control Unit. This publication covers the following topics:

- o General description of accessory and associated hardware
- o Functions of accessory D08286
- o Signal considerations
- o Interface specifications
- o MCU Identification
- o Maintenance requirements
- o Installation-physical planning information

Manual, 40 pages

GA36-0001

IBM 4872 MODEM MODEL 1

This publication introduces the IBM 4872 Modem Model 1 and describes its role in a point-to-point network. Details concerning installation planning, operation, and special features are also included.  
Systems Reference Library Manual, 22 pages

GA36-0002

IBM 4481 FILM READER/RECORDER

This publication provides basic information about the IBM 4481 Film Reader/Recorder, with the objective of helping reader to achieve a general understanding of the machine's operation, its interface with the IBM System/360 through the IBM 1827 Data Control Unit, and its functional characteristics. Programming considerations, timing information, operator controls, and installation planning are discussed in detail.  
Systems Reference Library Manual, 36 pages

GA36-0003

4481 FILM READER/RECORDER PROGRAMMER'S GUIDE

This publication provides information that will enable the user to write programs for the IBM 4481 Film Reader/Recorder. Programming considerations are discussed prior to acquainting the user with the software support designed for his use. The user-oriented support programs comprise a set of macro-instructions which control data flow between the System/360 Central Processing Unit and the Film Reader/Recorder, and a selection of FORTRAN callable subroutines and image handling programs which perform transmission of data to and from the Film Reader/Recorder.  
Systems Reference Library Programmer's Guide, 38 pages

GA36-0004

IBM 4872 MODEM MODELS 2 AND 3

This publication introduces the IBM 4872 Modem Models 2 and 3 and describes their role in a multipoint network. Details concerning installation planning, operation, and special features are also included.  
Systems Reference Library Manual, 18 pages

SBOF-2250

PTF FOR OS/VS2

No abstract available.  
Microfiche

SBOF-3575

VM/370 PLC MICROFICHE LISTINGS

Program Level Changes (PLC) to Conversational Monitor System and Control Program Components of VM/370 issued under monthly TNL's.  
Microfiche

SBOF-6106

PTF PROGRAM NUMBER 360S-AL-531

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

SBOF-6103

PTF PROGRAM NUMBER 360S-AS-037

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

SBOF-6106

PTF PROGRAM NUMBER 360S-CB-524

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

SBOF-6109

PTF PROGRAM NUMBER 360S-CB-545

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

SBOF-6110

PTF PROGRAM NUMBER 360S-CI-505

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

SBOF-6113

PTF PROGRAM NUMBER 360S-CI-535

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

SBOF-6116

PTF PROGRAM NUMBER 360S-CI-555

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

SBOF-6119

PTF PROGRAM NUMBER 360S-CO-503

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

SBOF-6122

PTF PROGRAM NUMBER 360S-CQ-513

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

SBOF-6125

PTF PROGRAM NUMBER 360S-CQ-519

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

SBOF-6128

PTF PROGRAM NUMBER 360S-CQ-548

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

SBOF-6131

PTF PROGRAM NUMBER 360S-DM-508

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

SBOF-6137

PTF PROGRAM NUMBER 360S-DN-527

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

SBOF-6140

PTF PROGRAM NUMBER 360S-DN-533

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

SBOF-6143

PTF PROGRAM NUMBER 360S-DN-539

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

SBOF-6146

PTF PROGRAM NUMBER 360S-DN-554

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

SBOF-6149

PTF PROGRAM NUMBER 360S-ED-521

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

SBOF-6152

PTF PROGRAM NUMBER 360S-FO-500

PTF listings for program number listed in title above.  
PTF Listings, Microfiche

## SBOF

SBOF-6155  
PTF PROGRAM NUMBER 360S-FO-520  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6158  
PTF PROGRAM NUMBER 360S-FO-550  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6161  
PTF PROGRAM NUMBER 360S-IO-523  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6164  
PTF PROGRAM NUMBER 360S-IO-526  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6167  
PTF PROGRAM NUMBER 360S-LD-547  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6170  
PTF PROGRAM NUMBER 360S-LM-501  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6173  
PTF PROGRAM NUMBER 360S-LM-512  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6176  
PTF PROGRAM NUMBER 360S-LM-525  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6179  
PTF PROGRAM NUMBER 360S-LM-532  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6182  
PTF PROGRAM NUMBER 360S-LM-537  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6185  
PTF PROGRAM NUMBER 360S-LM-542  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6188  
PTF PROGRAM NUMBER 360S-LM-546  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6192  
PTF PROGRAM NUMBER 360S-NL-511  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6195  
PTF PROGRAM NUMBER 360S-PL-552  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6198  
PTF PROGRAM NUMBER 360S-PT-516  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6201  
PTF PROGRAM NUMBER 360S-RC-536  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6204  
PTF PROGRAM NUMBER 360S-RC-541  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6207  
PTF PROGRAM NUMBER 360S-RC-543  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

## SBOF

SBOF-6210  
PTF PROGRAM NUMBER 360S-RC-551  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6213  
PTF PROGRAM NUMBER 360S-RG-038  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6216  
PTF PROGRAM NUMBER 360S-SM-023  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6219  
PTF PROGRAM NUMBER 360S-UT-506  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6222  
PTF MODULE GENERATION - OS  
 PTF listings for Operating System Module Generation.  
 PTF Listings, Microfiche

SBOF-6225  
PTF SERVICE AIDS OS  
 PTF listings of Operating System Service Aids.  
 PTF Listings, Microfiche

SBOF-6230  
PTF PROGRAM NUMBER 360N-AS-465  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6232  
PTF PROGRAM NUMBER 360N-AS-466  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6234  
PTF PROGRAM NUMBER 360N-CB-452  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6236  
PTF PROGRAM NUMBER 360N-CB-468  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6238  
PTF PROGRAM NUMBER 360N-CB-482  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6240  
PTF PROGRAM NUMBER 360N-CL-453  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6242  
PTF PROGRAM NUMBER 360N-CQ-469  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6244  
PTF PROGRAM NUMBER 360N-CQ-470  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6248  
PTF PROGRAM NUMBER 360N-DN-481  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6250  
PTF PROGRAM NUMBER 360N-EU-484  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6252  
PTF PROGRAM NUMBER 360N-EU-485  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6254  
PTF PROGRAM NUMBER 360N-FO-451  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche



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SBOF-6256  
PTF PROGRAM NUMBER 360N-FO-479  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6258  
PTF PROGRAM NUMBER 360N-IO-454  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6260  
PTF PROGRAM NUMBER 360N-IO-455  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6262  
PTF PROGRAM NUMBER 360N-IO-456  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6264  
PTF PROGRAM NUMBER 360N-IO-457  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6266  
PTF PROGRAM NUMBER 360N-IO-458  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6268  
PTF PROGRAM NUMBER 360N-IO-476  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6270  
PTF PROGRAM NUMBER 360N-IO-477  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6272  
PTF PROGRAM NUMBER 360N-IO-478  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6274  
PTF PROGRAM NUMBER 360N-PL-464  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6276  
PTF PROGRAM NUMBER 360N-PT-459  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6278  
PTF PROGRAM NUMBER 360N-RG-460  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6280  
PTF PROGRAM NUMBER 360N-SM-400  
 PTF listings for program number listed in title above.  
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SBOF-6282  
PTF PROGRAM NUMBER 360N-SM-450  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6284  
PTF PROGRAM NUMBER 360N-SM-483  
 PTF listings for program number listed in title above.  
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SBOF-6286  
PTF PROGRAM NUMBER 360N-SV-473  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6288  
PTF PROGRAM NUMBER 360N-SV-474  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6290  
PTF PROGRAM NUMBER 360N-SV-475  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6292  
PTF PROGRAM NUMBER 360N-SV-486  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6294  
PTF PROGRAM NUMBER 360N-SV-487  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6296  
PTF PROGRAM NUMBER 360N-SV-488  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6298  
PTF PROGRAM NUMBER 360N-UT-461  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6300  
PTF PROGRAM NUMBER 360N-UT-462  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6302  
PTF PROGRAM NUMBER 360N-UT-463  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6304  
PTF PROGRAM NUMBER 360N-UT-471  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6306  
PTF PROGRAM NUMBER 360N-UT-472  
 PTF listings for program number listed in title above.  
 PTF Listings, Microfiche

SBOF-6308  
PTF SERVICE AIDS DOS  
 PTF listings of Disk Operating System Service Aids.  
 PTF Listings, Microfiche

GB21-0001  
GENERALIZED VEHICLE SCHEDULING PROGRAM (VSP) NETWORK FOR LOS ANGELES; FIELD DEVELOPED PROGRAM AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AAA  
 Provides the Los Angeles based distributor a new method of implementing the IBM Vehicle Scheduling Program (360A-ST-06X). The network and its associated program eliminate the need for each distributor to develop his own VSP maps. Availability Notice, 4 pages

SB21-0002  
GENERALIZED VEHICLE SCHEDULING PROGRAM NETWORK FOR LOS ANGELES FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AAA  
 Describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.  
 Provides the Los Angeles based distributor a new method of implementing the IBM Vehicle Scheduling Program (360A-ST-06X). The network and its associated program eliminate the need for each distributor to develop his own VSP maps. Manual, 36 pages

LB21-0003  
VEHICLE SCHEDULING PROGRAM GENERALIZED VSP NETWORK FOR LOS ANGELES, CALIFORNIA: FIELD DEVELOPED PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER 5798-AAA  
 The Generalized VSP Network for Los Angeles provides a means for creating a routing network within the Los Angeles basin (all of Los Angeles and Orange Counties located south of the Santa Susanna and San Gabriel mountain ranges). This manual provides program flowcharts, program listings, and operating instructions for the Map Selection, Link Verification, and Zone Selection Programs. These programs are used to develop a network unique to a given distributor. Licensed Program Product material.  
 Provides the Los Angeles based distributor a new method of implementing the IBM Vehicle Scheduling Program (360A-ST-06X). The network and its associated program eliminate the need for each distributor to develop his own VSP maps. FDP Systems Guide, set of 135 plastic overlays, 168 pages

GB21-0010  
2770/1255 REMOTE MICR ENTRY SYSTEM (UNDER DOS BTAM) - FDP AVAILABILITY NOTICE - PROG. NO. 5798-AAD  
 This program provides ability to transmit, capture on disk,

balance, and settle batches of MICR encoded bank documents. Operating under DOS BTAM, it accumulates totals by application or type of entry for each bank. Field Developed Program Availability Notice, 4 pages

SB21-0011

2770/1255 REMOTE MICR ENTRY SYSTEM  
PROGRAM DESCRIPTION/OPERATION MANUAL  
PROGRAM NUMBER 5798-AAD

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.

This program provides ability to transmit, capture on disk, balance, and settle batches of MICR encoded bank documents. Operating under DOS BTAM, it accumulates totals by application or type of entry for each bank. Field Developed Program - Program Description/Operations Manual, 30 pages

LB21-0012

2770/1255 REMOTE MICR ENTRY SYSTEM - SYSTEMS GUIDE  
PROGRAM NUMBER 5798-AAD

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

This program provides ability to transmit, capture on disk, balance, and settle batches of MICR encoded bank documents. Operating under DOS BTAM, it accumulates totals by application or type of entry for each bank. Field Developed Program - Systems Guide, 138 pages

GB21-0019

VEHICLE MAINTENANCE & COST ANALYSIS: S/360 MODELS 20, 25  
& UP - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAG

This manual provides programs which assist in controlling maintenance cost of equipment. This is accomplished by processing vehicle information in a manner that facilitates the measurement and evaluation of equipment performance. Manual, 8-1/2 x 11, 4 pages

SB21-0020

VEHICLE MAINTENANCE AND COST ANALYSIS, SYSTEM/360 MODELS 20,  
25 AND UP: PROGRAM DESCRIPTION/OPERATIONS MANUAL, FDP PROG.  
NO. 5798-AAG

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described and primary processing procedures are specified. This manual is both a system description and an installation and operations reference document.

Provides programs which assist in controlling the maintenance cost of equipment. This is accomplished by processing vehicle information in a manner that facilitates the measurement and evaluation of equipment performance. Manual, 8-1/2 x 11, 120 pages

LB21-0021

VEHICLE MAINTENANCE AND COST ANALYSIS, SYSTEM/360 MODELS 20,  
25 AND UP: SYSTEMS GUIDE, FDP PROG. NO. 5798-AAG

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

The manual provides programs which assist in controlling the maintenance cost of equipment. This is accomplished by processing vehicle information in a manner that facilitates the measurement and evaluation of equipment performance. Manual, 8-1/2 x 11, 215 pages

GB21-0031

PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370  
AVAILABILITY NOTICE - FDP #5798-AAL

This Field Developed Program written in Assembler, extends the proven capabilities of CICS/OS Version 1 (5736-U11) in the areas of transaction control, user data file control and accessing, and the recovery of these data files with its related restart of the system. A comprehensive audit trail is maintained to facilitate the multiple advanced data file recovery techniques included in this program. Data file integrity is maintained at record level. Data record stalemates are detected and corrected. A test mode facility is provided to assist the programmer. These enhancements are implemented easily by the application programmer through a set of assembler language macro instructions or COBOL statements. No modification of CICS or OS is required to implement the Production Order Inventory Tracking System.

This Availability Notice contains complete ordering instruction for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Notice, 4 pages

SB21-0032

PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370  
PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP #5798-AAL

This Field Developed Program written in Assembler, extends the proven capabilities of CICS/OS Version 1 (5736-U11) in the areas of transaction control, user data file control and accessing, and the recovery of these data files with its related restart of the system. A comprehensive audit trail is maintained to facilitate the multiple advanced data file recovery techniques included in this program. Data file integrity is maintained at record level. Data record stalemates are detected and corrected. A test mode facility is provided to assist the programmer. These enhancements are implemented easily by the application programmer through a set of assembler language macro instructions or COBOL statements. No modification of CICS or OS is required to implement the Production Order Inventory Tracking System.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 243 pages

LB21-0033

PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370  
SYSTEMS GUIDE - FDP # 5798-AAL

This Field Developed Program written in Assembler, extends the proven capabilities of CICS/OS Version 1 (5736-U11) in the areas of transaction control, user data file control and accessing, and the recovery of these data files with its related restart of the system. A comprehensive audit trail is maintained to facilitate the multiple advanced data file recovery techniques included in this program. Data file integrity is maintained at record level. Data record stalemates are detected and corrected. A test mode facility is provided to assist the programmer. These enhancements are implemented easily by the application programmer through a set of assembler language macro instructions or COBOL statements. No modification of CICS or OS is required to implement the Production Order Inventory Tracking System.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Guide, 614 pages

GB21-0034

DOS SORT EXIT ROUTINES FOR CS/30/40 DISK FILES - FDP  
AVAILABILITY NOTICE, PROG. NO. 5798-AAM

This program provides routines which allow users of CS/30 or CS/40 to take advantage of the high-speed DOS/360 Tape and Disk Sort program for sorting emulated 1311 disk files. Independent input and output routines are provided which allow the DOS/360 Sort (360N-SM-0483) or the Program Product (5736-SM1) to read and write disk files in emulator format. Improvements in sorting times over Sort 5 or Sort 6 running under CS/30 will be as great as 70 percent. Availability Notice, 4 pages

SB21-0035

DISK OPERATING SYSTEM SORT EXIT ROUTINES FOR CONTROL SYSTEM  
(CS)/30/40 FILES - FIELD DEVELOPED PROGRAM DESCRIPTION  
OPERATIONS MANUAL - PROGRAM NUMBER 5798-AAM

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures are specified. This manual is both a system description and an installation and operations reference document.

This program provides routines which allow users of CS/30 or CS/40 to take advantage of the high-speed DOS/360 Tape and Disk Sort program for sorting emulated 1311 disk files. Independent input and output routines are provided which allow the DOS/360 Sort (360N-SM-0483) or the Program Product (5736-SM1) to read and write disk files in emulator format. Improvements in sorting times over Sort 5 or Sort 6 running under CS/30 will be as great as 70 percent. Manual, 24 pages

LB21-0036

DISK OPERATING SYSTEM SORT EXIT ROUTINES FOR  
CS/30/40 FILES SYSTEMS GUIDE - PROGRAM NUMBER 5798-AAM

This "User's Manual" is for the Systems Analyst, Programmer, and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

This program provides routines which allow users of CS/30 or CS/40 to take advantage of the high-speed DOS/360 Tape and Disk Sort program for sorting emulated 1311 disk files. Independent input and output routines are provided which allow the DOS/360 Sort (360N-SM-0483) or the Program Product (5736-SM1) to read and write disk files in emulator format. Improvements in sorting times over Sort 5 or Sort 6 running under CS/30 will be as great as 70 percent. Field Developed Program System Guide, 85 pages

GB21-0043

PUBLIC UTILITY FINANCIAL PLANNING SYSTEM - FDP AVAILABILITY  
NOTICE - PROG. NO. 5798-AAQ

This Public Utility Financial Planning System, for the System/360 Model 25 and above, provides a tool to assist the corporate planning function of electric, gas, and combination utilities.

Rather than attempt to forecast the future based on statistical analysis of past data, this system projects data into the future based on management estimates of future performance. The user provides current financial and operating data, as well as planning assumptions about future values of the data items. Based on this information, the system produces projected financial statements for a five-year planning period. These documents would be used by corporate planners to evaluate the given plan.  
Field Developed Program Availability Notice, 4 pages

analysis and display of information relating to CPU and I/O utilization, multiprogramming activity, program use profile, job and task initiation and completion, and distribution of cost.  
Guide, 121 pages

SB21-0044

PUBLIC UTILITY FINANCIAL PLANNING SYSTEM - FIELD DEVELOPED PROGRAM - PROGRAM DESCRIPTION OPERATIONS MANUAL  
PROGRAM NUMBER 5798-AAQ

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures are specified. This manual is both a system description and an installation and operations reference document.

The Public Utility Financial Planning System, for the System/360 Model 25 and above, provides a tool to assist the corporate planning function of electric, gas, and combination utilities.

Rather than attempt to forecast the future based on statistical analysis of past data, this system projects data into the future based on management estimates of future performance. The user provides current financial and operating data, as well as planning assumptions about future values of the data items. Based on this information, the System produces projected financial statements for a five-year planning period. These documents would be used by corporate planners to evaluate the given plan.  
Manual, 47 pages

LB21-0045

PUBLIC UTILITY FINANCIAL PLANNING SYSTEM GUIDE  
PROGRAM NUMBER 5798-AAQ

This 'User's Manual' is for the Systems Analyst, Programmer, and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

The Public Utility Financial Planning System, for the System/360 Model 25 and above, provides a tool to assist the corporate planning function of electric, gas, and combination utilities.

Rather than attempt to forecast the future based on statistical analysis of past data, this system projects data into the future based on management estimates of future performance. The user provides current financial and operating data, as well as planning assumptions about future values of the data items. Based on this information, the system produces projected financial statements for a five-year planning period. These documents would be used by corporate planners to evaluate the given plan.  
Field Developed Program System Guide, 147 pages

GB21-0046

SMF SELECTABLE ANALYZER FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAR

This is a program using as input the data created by the SMF option of OS/MFT and MVT. Based on control card specification, the program main procedure will call in report overlay procedures.

The report procedures include analysis and display of information relating to CPU and I/O utilization, multiprogramming activity, program use profile, job and task initiation and completion, and distribution of cost.  
Notice, 2 pages

SB21-0047

OPERATING SYSTEM/360 SYSTEM MANAGEMENT FACILITY SELECTABLE ANALYZER - PROGRAM DESCRIPTION/OPERATION MANUAL  
PROGRAM NUMBER 5798-AAR

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.

This is a program using as input the data created by the SMF option of OS/MFT and MVT. Based on control card specification, the program main procedure will call in report overlay procedures. The report procedures include analysis and display of information relating to CPU and I/O utilization, multiprogramming activity, program use distribution of cost.  
Manual, 62 pages

LB21-0048

OS SMF SELECTABLE ANALYZER SYSTEMS GUIDE, FDP PROG. NO. 5798-AAR

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

This is a program using as input the data created by the SMF option of OS/MFT and MVT. Based on control card specification, the program main procedure will call in report overlay procedures. The report procedures include

GB21-0061

MINIMUM TELEPROCESSING COMMUNICATION SYSTEM (DOS) - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAY

Now, a Minimum Teleprocessing Communication System is available to the DOS user who would like to install a first terminal system. It is a generalized, single-thread, transaction oriented system that can be quickly installed and requires no specialized training in teleprocessing concepts, BTAM or Assembler Language to implement the system. It utilizes design concepts of the more sophisticated data base/data communication systems where possible. It complements and provides a logical growth path to systems such as IBM Customer Information Control System (CICS).

Field Developed Program Availability Notice, 4 pages

SB21-0062

MINIMUM TELEPROCESSING COMMUNICATIONS SYSTEM MANUAL  
PROGRAM NUMBER 5798-AAY

This manual describes the capabilities of the system and the programs. Discussion of the design assumptions and potential modification areas is included. Record and file layouts are described, and primary processing procedures are specified. This manual is both a system description and an installation and operations reference document.

Now, a Minimum Teleprocessing Communication System is available to the DOS user who would like to install a first terminal system. It is a generalized, single-thread, transaction oriented system that can be quickly installed, and requires no specialized training in teleprocessing concepts, BTAM, or Assembler Language to implement the system. It utilizes design concepts of the more sophisticated data base/data communication systems where possible. It complements and provides a logical growth path to systems such as IBM Customer Information Control System (CICS).

Field Developed Program - Program Description Operation Manual, 90 pages

LB21-0063

MINIMUM TELEPROCESSING COMMUNICATIONS SYSTEM: FDP SYSTEMS GUIDE, PROG. NO. 5798-AAV, FEATURE NO. 8021

This 'User's Manual' is for the Systems Analyst, Programmer, and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

Now, a Minimum Teleprocessing Communication System is available to the DOS user who would like to install a first terminal system. It is a generalized, single-thread, transaction oriented system that can be quickly installed and requires no specialized training in teleprocessing concepts, BTAM, or Assembler Language to implement the system. It utilizes design concepts of the more sophisticated data base/data communication systems where possible. It complements and provides a logical growth path to systems such as IBM Customer Information Control System (CICS).

Manual, 10 pages

GB21-0067

USER ROLLOUT/ROLLIN FOR SYSTEM/360 MODEL 22 & UP - FDP AVAILABILITY NOTICE - PROG. NO. 5798-ABA

User Rollout/Rollin permits the user to maintain a small partition (2K) and expand this partition to the necessary size when a request is made by seizing extra memory from the other two possible partitions. The programs being processed in the other partitions are temporarily stored on disk files until the seized area has completed the assigned task, then processing resumes as if no seizure had taken place.  
Field Developed Program Publication, 2 pages

SB21-0068

DISK OPERATING SYSTEM DYNAMIC ROLLOUT/ROLLIN FIELD DEVELOPED PROGRAM DESCRIPTION OPERATIONS MANUAL  
PROGRAM NUMBER 5798-ABA

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures are specified. This manual is both a system description and an installation and operations reference document.

User Rollout/Rollin permits the user to maintain a small partition (2K) and expand this partition to the necessary size when a request is made by seizing extra memory from the other two possible partitions. The programs being processed in the other partitions are temporarily stored on disk files until the seized area has completed the assigned task, then processing resumes as if no seizure had taken place.  
Manual, 13 pages

LB21-0069

DISK OPERATING SYSTEM DYNAMIC ROLLOUT/ROLLIN PROGRAM NUMBER 5798-ABA - FIELD DEVELOPED PROGRAM SYSTEMS GUIDE

This User's Manual is for the System Analyst, Programmer,

and Operator during the Systems Test and Daily Operations of the program. It also contains programmer notes to assist in making minor alterations.

User Rollout/Rollin permits the user to maintain a small partition (2K) and expand this partition to the necessary size when a request is made by seizing extra memory from the other two possible partitions. The programs being processed in the other partitions are temporarily stored on disk files until the seized area has completed the assigned task, then processing resumes as if no seizure had taken place.  
Manual, 23 pages

GB21-0157

PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING AND EVALUATION (PICTURE) - DOS - FDP AVAILABILITY NOTICE, PROG. NO. 5798-ACL  
These application programs perform the standard accounting functions of product and inventory costing, manufacturing engineering product cost estimating and inventory valuation trend reporting.  
Field Developed Program Availability Notice, 6 pages

SB21-0158

PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING AND EVALUATION - PROGRAM NUMBER 5798-ACL  
PROGRAM DESCRIPTION/OPERATIONS MANUAL  
This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.

These application programs perform the standard accounting functions of product and inventory costing, manufacturing engineering product cost estimating and inventory valuation trend reporting.  
Manual, 58 pages

LB21-0159

PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING AND EVALUATION - SYSTEMS GUIDE - PROGRAM NUMBER 5798-ACL  
This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

These application programs perform the standard accounting functions of product and inventory costing, manufacturing engineering product cost estimating and inventory valuation trend reporting.  
Field Developed Program-Systems Guide, 314 pages

GB21-0229

SHAS PENDING INSURANCE CLAIMS ACCOUNTING PROGRAMS (DOS) FDP AVAILABILITY NOTICE, PROG. NO. 5798-ADN  
Provides the SHAS user with the capabilities of creating and maintaining a file of all claims forwarded to Medicare under the Medicare and part "A" programs.  
Availability Notice, 4 pages

SB21-0230

SHAS PENDING INSURANCE CLAIMS - PROGRAM NUMBER 5798-ADN  
PROGRAM DESCRIPTION/OPERATIONS MANUAL  
This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document. Manual number GB21-0229 contains additional information.  
Manual, 86 pages

LB21-0231

SHAS PENDING INSURANCE CLAIMS - PROGRAM NUMBERS 5798-ADN  
FIELD DEVELOPED PROGRAM - SYSTEMS GUIDE  
This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations. Manual number GB21-0029 contains additional information.  
Systems Guide, 100 pages

GB21-0238

DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES  
FDP AVAILABILITY NOTICE - PROG. NO. 5798-ADT  
This system allows the user to run programs compiled for specific DASD devices on a different DASD device without program recompilation.  
Field Developed Program Availability Notice, 4 pages

SB21-0239

DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES  
PROGRAM DESCRIPTION/OPERATIONS MANUAL  
PROGRAM NUMBER 5798-ADT  
This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.

This system allows the user to run programs compiled for specific DASD devices on a different DASD device without program recompilation.  
Field Developed Program-Program Description/Operations Manual, 22 pages

LB21-0240

DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES  
SYSTEMS GUIDE - PROGRAM NUMBER 5798-ADT  
This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

This system allows the user to run programs compiled for specific DASD devices on a different DASD device without program recompilation.  
Field Developed Program-Systems Guide, 74 pages

GB21-0283

TSO ON-LINE COBOL SYMBOLIC DEBUG - FDP AVAILABILITY NOTICE  
PROGRAM NUMBER 5798-AEZ  
This program provides the TSO user with an interactive facility for symbolic debugging during execution of his COBOL program.

Field Developed Program Availability Notice, 4 pages

SB21-0284

TSO ON-LINE COBOL SYMBOLIC DEBUG  
PROGRAM DESCRIPTION/OPERATIONS MANUAL  
PROGRAM NUMBER 5798-AEZ

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.

This program provides the TSO user with an interactive facility for symbolic debugging during execution of his COBOL program.  
Manual, 136 pages

LB21-0285

TSO ON-LINE COBOL SYMBOLIC DEBUG - SYSTEMS GUIDE  
PROGRAM NUMBER 5798-AEZ

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

This program provides the TSO user with an interactive facility for symbolic debugging during execution of his COBOL program.  
Field Developed Program - Systems Guide, 66 pages

GB21-0313

OS ROTABLE CONTROL PROGRAM - FIELD DEVELOPED PROGRAM  
AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AFA

The IBM OS Rotable Control Program provides airline management with a comprehensive rotatable control system aimed at optimizing the very significant Rotable Spare Investment, while insuring sustained aircraft availability and airworthiness.

Employing the Chained File Management System of the System/360 Requirements Planning Program Product, the rotatable control system is modular in design with an integrated data base framework. Thus, it can function independently or as part of an expanded Maintenance and Engineering system. In this manner, both immediate and long term benefits accrue to the airlines.  
Notice, 6 pages

SB21-0314

OS ROTABLE CONTROL PROGRAM - FIELD DEVELOPED PROGRAM  
DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AFA

The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.  
Manual, 98 pages

LB21-0315

OS ROTABLE CONTROL PROGRAM - FIELD DEVELOPED PROGRAM  
SYSTEMS GUIDE - PROGRAM NUMBER 5798-AFA

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.  
Manual, 180 pages

GB21-0316

DOS ROTABLE CONTROL PROGRAM - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AFC

The DOS Rotable Control Program provides airline management with a comprehensive rotatable control system aimed at optimizing the very significant Rotable Spare Investment, while insuring sustained aircraft availability and airworthiness.

Employing the System/360 Data Base Organization and Maintenance Processor (DBOMP) program product, the system is modular in design with an integrated data base framework.

Thus, it can function independently or as part of an expanded Maintenance and Engineering system. In this manner, both immediate and long term benefits accrue to the airlines.  
Notice, 6 pages

SB21-0317

IBM DISK OPERATING SYSTEM/360 ROTABLE CONTROL PROGRAM  
FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL  
PROGRAM NUMBER 5798-AFC

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.  
Manual, 102 pages

LB21-0318

IBM DISK OPERATING SYSTEM/360 ROTABLE CONTROL PROGRAM  
FIELD DEVELOPED PROGRAM SYSTEMS GUIDE  
PROGRAM NUMBER 5798-AFC

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.  
Guide, 196 pages

GB21-0334

DOS TO OS ASSEMBLER MACRO CONVERSION, FDP 5798-AFL, NOTICE  
The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.  
Notice, 4 pages

SB21-0335

DOS TO OS ASSEMBLER LANGUAGE MACRO CONVERSION, FDP  
5798-AFL DESCRIPTION/OPERATIONS

This 12 page document describes the capabilities of the FDP and the programs of DOS to OS Assembler Language Macro Conversion. Written in OS Assembler Language (360S-AS-037), this system converts DOS Macros to their OS equivalent.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 12 pages

LB21-0336

DOS TO OS ASSEMBLER LANGUAGE MACRO CONVERSION - FIELD  
DEVELOPED PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER 5798-AFL

This 54 page document describes the steps necessary to modify the DOS to OS Assembler Language Macro Conversion written in OS Assembler Language (360S-AS-037). This system converts DOS Macros to their OS equivalent.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Manual, 54 pages

GB21-0387

HONEYWELL 200 SERIES COBOL TO IBM ANS COBOL CONVERSION AIDS  
FDP AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AGC

The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.  
Notice, 4 pages

SB21-0388

HONEYWELL 200 SERIES COBOL TO IBM ANS COBOL CONVERSION AID  
FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL  
PROGRAM NUMBER 5798-AGC

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.  
Manual, 38 pages

LB21-0389

HONEYWELL 200 SERIES COBOL TO IBM ANS COBOL CONVERSION AID  
FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER  
5798-AGC

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.  
Manual, 98 pages

GB21-0393

IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL  
BUSINESS SIMULATION FOR APL/360 - PROGRAM NUMBER 5798-AGM  
FIELD DEVELOPED PROGRAM-AVAILABILITY NOTICE

The availability notice is a marketing oriented

document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.  
Notice, 4 pages

SB21-0394

IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL  
BUSINESS SIMULATION FOR APL/360 - FIELD DEVELOPED PROGRAM  
DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AGM

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.  
Manual, 42 pages

LB21-0395

IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL  
BUSINESS SIMULATION FOR APL/360 - FIELD DEVELOPED PROGRAM  
SYSTEMS GUIDE - PROGRAM NUMBER 5798-AGM

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.  
Manual, 84 pages

GB21-0399

APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 AVAILABILITY  
NOTICE - FDP NUMBER 5798-AGF

This 4 page document describes the purpose and highlights of Contractor/Subcontractor Estimating for the System/3 Model 10. Written in RPG II, this program is designed to handle the numerous extensions, look-up, and pricing required in estimating work. The system considers labor hours factors, material prices, and extra material items, extends prices, and calculates the job estimate. The Job Estimate Report includes labor hours, materials, and amounts, and can be grouped by floor, area, or cost function. Programs are grouped to handle price changes and discounts. Unusual or "one-time" items are accommodated on an exception input basis. Multiple bids can be maintained on the disk. A user can save a bid pending final award, re-run it, or change it, if desired.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 4 pages

SB21-0400

APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 PROGRAM  
DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AGF

This 65 page document describes the capabilities of the FDP and the programs of the APL Coordinate Geometry system. Written in APL for the System/370, this system provides COGO (Coordinate Geometry) capability at an APL terminal. Data may be printed or plotted at the typewriter terminal, or saved for later work. Including spirals, circular arcs, intersections, traverses, areas and subdivisions, and parabolas in the vertical plane, the system can be applied to land and right-of-way surveying highway and interchange design, bridge geometry, construction layout, subdivision work, railroad improvement and many other problems. Typical users are civil engineers and surveyors. No knowledge of APL is needed. Because APL is used, response and reliability are excellent. Other APL applications can be installed without additional core allocation. APL/360 is required with a workspace size of at least 40K. No additional hardware is required.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 65 pages

LB21-0401

APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 SYSTEMS GUIDE  
FDP NUMBER 5798-AGF

This 195 page document describes the steps necessary to modify the APL Coordinate Geometry System written in APL for the System/370. This program provides COGO (Coordinate Geometry) capability at an APL terminal. Data may be printed or plotted at the typewriter terminal, or saved for later work. Including spirals, circular arcs, intersections, traverses, areas and subdivisions, and parabolas in the vertical plane, the system can be applied to land and right-of-way surveying, highway and interchange design, bridge geometry, construction layout, subdivision work, railroad improvement and many other problems. Typical users are civil engineers and surveyors. No knowledge of APL is needed. Because APL is used, response and reliability are excellent. Other APL applications can be installed without additional core allocation. APL/360 is required with a workspace size of at least 40K. No additional hardware is required.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 195 pages

GB21-0408

ZEROS AND INTEGRALS IN APL FDP AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AGJ

This 4 page document describes the purpose and highlights of the Zeros and Integrals in APL program for APL/360. Written in APL, this program is intended for scientists, engineers, and others who need to find roots of equations and compute integrals.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.

Flyer, 4 pages

SB21-0409

ZEROS AND INTEGRALS IN APL FDP - PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AGJ

This 20 page document describes the capabilities of the FDP and the programs of the Zeros and Integrals in APL system. Written in APL for the APL/360, this system is intended for scientists, engineers, and others who need to find roots of equations and compute integrals.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 20 pages

LB21-0410

ZEROS AND INTEGRALS IN APL FDP - SYSTEMS GUIDE - PROGRAM NUMBER 5798-AGJ

This 50 page document describes the steps necessary to modify the Zeros and Integrals in APL written in APL for the APL/360. This program is intended for scientists, engineers, and others who need to find roots of equations and compute integrals.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.

Manual, 50 pages

GB21-0411

GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360 PROG. NO. 5798-AGK - FDP AVAILABILITY NOTICE

The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.

Notice, 4 pages

SB21-0412

GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360 FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AGK

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.

Manual, 56 pages

LB21-0413

GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360 FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE PROGRAM NUMBER 5798-AGK

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

Manual, 54 pages

GB21-0414

GRAPHS AND HISTOGRAMS IN APL AVAILABILITY NOTICE - FDP NUMBER 5798-AGL

This 4 page document describes the purpose and highlights of the Graphs and Histograms in APL for the System/360/370. This workspace contains functions which, on an APL/360 terminal (2741 or 1050): plots of curves, draws histograms, deriving the plotted values from the raw data. It contains options to: plot several curves together. Abscissae need to be the same for the various curves. Employ linear or logarithmic scale on each axis. Use the special plotting type element (P/N 1167114) for finer resolution. Adjust the scale to compensate for the different unit lengths in the two directions at the terminal (100 chars/inch and 6 lines/inch).

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.

Notice, 4 pages

SB21-0415

GRAPHS AND HISTOGRAMS IN APL PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AGL

This 30 page document describes the capabilities of the FDP and the programs of the Graph and Histograms in APL for the

System/360/370. This workspace contains functions which, on an APL/360 terminal (2741 or 1050): plots of curves, draws histograms, deriving the plotted values from the raw data. It contains options to: plot several curves together. Abscissae need to be the same for the various curves. Employ linear or logarithmic scale on each axis. Use the special plotting type element (P/N 1167114) for finer resolution. Adjust the scale to compensate for the different unit lengths in the two directions at the terminal (100 chars/inch and 6 lines/inch).

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 30 pages

LB21-0416

GRAPHS AND HISTOGRAMS IN APL SYSTEMS GUIDE - FDP NUMBER 5798-AGL

This 27 page document describes the steps necessary to modify the Graphs and Histograms in APL for the System/360/370. This workspace contains functions which, on an APL/360 terminal (2741 or 1050): plots of curves, draws histograms, deriving the plotted values from the raw data. It contains options to: plot several curves together. Abscissae need to be the same for the various curves. Employ linear or logarithmic scale on each axis. Use the special plotting type element (P/N 1167114) for finer resolution. Adjust the scale to compensate for the different unit lengths in the two directions at the terminal (100 chars/inch and 6 lines/inch).

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.

Guide, 27 pages

GB21-0432

ANALYTICAL PROCESSING TECHNIQUE (APT) UNDER CP-67/CMS FDP AVAILABILITY NOTICE, PROG. NO. 5798-AGD

The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.

Field Developed Programs-Availability Notice, 4 pages

SB21-0433

APT UNDER CMS: FDP PROGRAM DESCRIPTION/OPERATIONS MANUAL, PROG. NO. 5798-AGD

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.

Manual, 16 pages

LB21-0434

APT UNDER CP/CMS - PROGRAM NUMBER 5798-AGD FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE

This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.

Guide, 76 pages

GB21-0450

DOS TIME ACCOUNTING AND BILLING - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AHB

The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.

Flyer, 4 pages

SB21-0451

DOS TIME ACCOUNTING AND BILLING - FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AHB

This 50 page document describes the capabilities of the FDP and the programs of DOS Time Accounting and Billing. Written in DOS COBOL D (360N-CB-452), this system provides Data Processing and Operations Managers with the information to evaluate operational effectiveness and measure the effect of management action.

Manual, 50 pages

LB21-0452

DOS TIME ACCOUNTING AND BILLING - FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER 5798-AHB

This 184 page document describes the steps necessary to modify the DOS Time Accounting and Billing FDP written in DOS COBOL D (360N-CB-452). This system provides Data Processing and Operations Managers with the information to evaluate operational effectiveness and measure the effect of management action.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.

Manual, 184 pages

GB21-0490

UNIVAC 9300 COBOL TO IBM ANS COBOL CONVERSION AID  
PROG. NO. 5798-AHP, FDP AVAILABILITY NOTICE  
 The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.  
 Notice, 4 pages

SB21-0491

UNIVAC 9300 COBOL TO IBM ANS COBOL CONVERSION AID  
FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL  
PROGRAM NUMBER 5798-AHP  
 This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described, and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.  
 Manual, 34 pages

LB21-0492

UNIVAC 9300 COBOL TO IBM ANS COBOL CONVERSION AID  
FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER  
5798-AHP  
 This "User's Manual" is for the Systems Analyst, Programmer and Operator during the Systems Test and Daily Operations of the programs. It also contains programmer notes to assist in making minor alterations.  
 Manual, 56 pages

GB21-0493

RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360/370  
AVAILABILITY NOTICE - FDP NUMBER 5798-AHT  
 This 6 page document describes the purpose and highlights of RCA COBOL to IBM ANS COBOL Conversion Aid for the System/360, 370. Written in ALC, this series of programs and procedures will assist in the conversion of RCA TOS/TDOS or ANSI COBOL programs to IBM ANS COBOL. The system described here operates under the IBM Disk Operating System (DOS) or the full Operating System (OS).  
 This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
 Notice, 6 pages

SB21-0494

RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360,370  
PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AHT  
 This 36 page document describes the capabilities of the FDP and the programs of the RCA COBOL to IBM ANS COBOL Conversion Aid. Written in ALC, this series of programs and procedures will assist in the conversion of RCA TOS/TDOS or ANSI COBOL programs to IBM ANS COBOL. The system described here operates under the IBM Disk Operating System (DOS) or the full Operating System (OS).  
 This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
 Manual, 36 pages

LB21-0495

RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360,370  
SYSTEMS GUIDE - FDP NUMBER 5798-AHT  
 This 74 page document describes the steps necessary to modify the RCA COBOL to IBM ANS COBOL Conversion Aid. Written in ALC, this series of programs and procedures will assist in the conversion of RCA TOS/TDOS or ANSI COBOL programs to IBM ANS COBOL. The system described here operates under the IBM Disk Operating System (DOS) or the full Operating System (OS).  
 This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
 Guide, 74 pages

GB21-0505

CUSTOMER INFORMATION FILE USING DOS/CICS  
FDP - AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AHX  
 This six page document describes the purpose and highlights of the Customer Information File Using DOS/CICS for the System/360, 370. Written in Assembler Language Code, this program is a multi-purpose file that combines all customer descriptive data into a centralized pool of information. Access can be from on-line terminals via name or account number or from various accounting application programs. This system is designed primarily for banks but can be modified for other institutions.  
 This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
 Notice, 6 pages

SB21-0506

CUSTOMER INFORMATION FILE USING DOS/CICS  
FDP - PROGRAM DESCRIPTION/OPERATIONS MANUAL  
PROGRAM NUMBER 5798-AHX  
 This 174 page document describes the capabilities of the FDP and the programs of the Customer Information File using DOS/CICS system. Written in Assembler Language Code for the System/360,370, this program is a multi-purpose file that combines all customer descriptive data into a centralized pool of information. Access can be from on-line terminals via name or account number or from various accounting application programs. This system is designed primarily for banks but can be modified for other institutions.  
 This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
 Manual, 174 pages

LB21-0507

CUSTOMER INFORMATION FILE USING DOS/CICS  
FDP - SYSTEMS GUIDE - PROGRAM NUMBER 5798-AHX  
 This 260 page document describes the steps necessary to modify the Customer Information File Using DOS/CICS FDP written in Assembler Language Code for the System/360,370. This program is a multi-purpose file that combines all customer descriptive data into a centralized pool of information. Access can be from on-line terminals via name or account number or from various accounting application programs. This system is designed primarily for banks but can be modified for other institutions.  
 This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
 Guide, 260 pages

GB21-0541

LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES FDP  
AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AJK  
 This four page document describes the purpose and highlights of the Lease vs. Purchase Analysis of Capital Expenditures program for the System/360. Written in FORTRAN IV, this program simulates different approaches to capital acquisition by applying a variety of depreciation methods, tax credits, financing, lease prices, etc.  
 This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
 Notice, 4 pages

SB21-0542

LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES PROGRAM  
DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AJK  
 This 62 page document describes the capabilities of the FDP and the programs of the Lease vs. Purchase Analysis of Capital Expenditures system. Written in FORTRAN IV for the System/360, this system simulates different approaches to capital acquisition by applying a variety of depreciation methods, tax credits, financing, lease prices, etc.  
 This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
 Manual, 62 pages

LB21-0543

LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES SYSTEMS  
GUIDE - FDP NUMBER 5798-AJK  
 This 36 page document describes the steps necessary to modify the Lease vs. Purchase Analysis of Capital Expenditures FDP written in FORTRAN IV for the System/360. This program is designed to simulate different approaches to capital acquisition by applying a variety of depreciation methods, tax credits, financing, lease prices, etc.  
 This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
 Guide, 36 pages

GB21-0553

OPERATOR TRAINING - DOS CONSOLE SIMULATION DRILLS: BASIC  
TRAINING COURSE A3609 (PROG. NO. 5798-AJM), CUSTOMER PROBLEM  
DETERMINATION COURSE A3611 (PROG. NO. 5798-AJN),  
AND MULTIPROGRAMMING COURSE A3612 (PROG. NO. 5798-AJP)  
FIELD DEVELOPED PROGRAMS-AVAILABILITY NOTICE  
 The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.  
 For information on new accounting codes, see Branch Office Manual, cover letter for BMR DP 355, ZZ39-1801, 6/26/72.  
 Notice, 6 pages

SB21-0554

DOS BASIC OPERATOR TRAINING - PROGRAM  
DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AJM  
 This 28 page document describes the capabilities of the FDP and the programs of the DOS Basic Operator Training system. Written in the Coursewriter III Language, this Console

Simulation Drill provides the student with simulated hands-on experience but controls the student activity, thus protecting vital system and user files.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 28 pages

LB21-0555

DOS BASIC OPERATOR TRAINING - SYSTEMS GUIDE  
FIELD DEVELOPED PROGRAM - PROGRAM NUMBER 5798-AJM

This 50 page document describes the steps necessary to modify the DOS Basic Operator Training FDP written in the Coursewriter III Language. This Console Simulation Drill provides the student with simulated hands-on experience but controls the student activity, thus protecting vital system and user files.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 50 pages

SB21-0557

DOS CUSTOMER PROBLEM DETERMINATION OPERATOR TRAINING  
PROGRAM DESCRIPTION/OPERATIONS MANUAL - FIELD DEVELOPED  
PROGRAM - PROGRAM NUMBER 5798-AJN

This 28 page document describes the capabilities of the FDP and the programs of the DOS Customer Problem Determination Operator Training system. Written in the Coursewriter III Language, this Console Simulation Drill provides the student with simulated hands-on experience but controls the student activity, thus protecting vital system and user files.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 28 pages

LB21-0558

DOS CUSTOMER PROBLEM DETERMINATION OPERATOR TRAINING  
FIELD DEVELOPED PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER  
5798-AJN

This 80 page document describes the steps necessary to modify the DOS Customer Problem Determination Operator Training FDP written in the Coursewriter III Language. This Console Simulation Drill provides the student with simulated hands-on experience but controls the student activity, thus protecting vital system and user files.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 80 pages

SB21-0560

DOS MULTIPROGRAMMING OPERATOR TRAINING - FIELD DEVELOPED  
PROGRAM - PROGRAM DESCRIPTION/OPERATIONS MANUAL  
PROGRAM NUMBER 5798-AJP

This 26 page document describes the capabilities of the FDP and the programs of the DOS Multiprogramming Operator Training system. Written in the Coursewriter III Language, this Console Simulation Drill provides the student with simulated hands-on experience but controls the student activity, thus protecting vital system and user files.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 26 pages

LB21-0561

DOS MULTIPROGRAMMING OPERATOR TRAINING - SYSTEMS GUIDE  
FIELD DEVELOPED PROGRAM - PROGRAM NUMBER 5798-AJP

This 56 page document describes the steps necessary to modify the DOS Multiprogramming Operator Training FDP written in the Coursewriter III Language. This Console Simulation Drill provides the student with simulated hands-on experience but controls the student activity, thus protecting vital system and user files.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 56 pages

GB21-0574

OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER  
CONVERSION AND REPLACEMENT (DDPREP) AVAILABILITY NOTICE  
FDP NUMBER 5798-AJU

This four page document describes the purpose and highlights of the OS/360/370 Job Control Language - Device Dependent Parameter Conversion and Replacement (DDPREP) program for the System 360/370. Written in PL/1, this program converts production Job Control Language and procedure libraries to accommodate new I/O Device characteristics and data set locations.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 4 pages

SB21-0575

OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER  
CONVERSION AND REPLACEMENT (DDPREP) PROGRAM DESCRIPTION/  
OPERATIONS MANUAL - FDP NUMBER 5798-AJU

This 44 page document describes the capabilities of the FDP and the programs of the OS/360/370 Job Control Language - Device Dependent Parameter Conversion and Replacement (DDPREP) system. Written in PL/1 for the System 360/370, this system converts production Job Control Language and procedure libraries to accommodate new I/O Device characteristics and data set locations.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 44 pages

LB21-0576

OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER  
CONVERSION AND REPLACEMENT (DDPREP) - SYSTEMS GUIDE - FDP  
NUMBER 5798-AJU

This 32 page document describes the steps necessary to modify the OS/360/370 Job Control Language - Device Dependent Parameter Conversion and Replacement (DDPREP) FDP written in PL/1 for the System 360/370. This program converts production Job Control Language and procedure libraries to accommodate new I/O device characteristics and data set locations.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 32 pages

GB21-0610

2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360, 370  
AVAILABILITY NOTICE - FDP NUMBER 5798-AKH

This 4 page document describes the purpose and highlights of "2927 Tape to Printer Utility". Written in Assembler, this program will enable the user to print formatted print tapes on the IBM 2927 Tape-to-Printer with a minimum amount of communication with the operator. Uses BPS to provide control, interrupt, input-output and I/O error recovery functions necessary for program execution.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 4 pages

SB21-0611

2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360, 370  
PROGRAM DESCRIPTION/OPERATIONS MANUAL  
FDP NUMBER 5798-AKH

This 50 page document describes the capabilities of the FDP and programs of the "2927 Tape to Printer". Written in Assembler, this program will enable the user to print formatted print tapes on the IBM 2927 Tape-to-Printer with a minimum amount of communication with the operator. Uses BPS to provide control, interrupt, input-output and I/O error recovery functions necessary for program execution.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 50 pages

LB21-0612

2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360,370  
SYSTEMS GUIDE - FDP NUMBER 5798-AKH

This 22 page document describes the steps necessary to modify the "2927 Tape to Printer Utility". Written in Assembler, this program will enable the user to print formatted print tapes on the IBM 2927 Tape-to-Printer with a minimum amount of communication with the operator. Uses BPS to provide control, interrupt, input-output and I/O error recovery functions necessary for program execution.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 22 pages

GB21-0620

3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - AVAILABILITY  
NOTICE - PROGRAM NUMBER 5798-AKL

This four page document describes the purpose and highlights of the 3270 Format Macro for Output Data Streams program for the system/360. This program was written in Assembler Language. Format is an Assembler Macro which when included in an OS or DOS Assembler Program or made available to the assembler through a Macro Library, allows the programmer to create output data streams for the Local or Remote 3270 Display Screen or Printer.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 4 pages



SB21-0621

3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AKL  
This 62 page document describes the capabilities of the FDP and the programs of the 3270 Format Macro for Output Data Streams system. This program was written in Assembler Language. Format is an Assembler Macro which when included in an OS or DOS Assembler Program or made available to the assembler through a Macro Library, allows the programmer to create output data streams for the Local or Remote 3270 Display Screen or Printer.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Program Description/Operations Manual, 62 pages

LB21-0622

3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - SYSTEMS GUIDE - PROGRAM NUMBER 5798-AKL  
This ten page document describes the steps necessary to modify the 3270 Format Macro for Output Data Streams FDP written in Assembler Language for the System/360. Format is an Assembler Macro which when included in an OS or DOS Assembler Program or made available to the assembler through a Macro Library, allows the programmer to create output data streams for the Local or Remote 3270 Display Screen or Printer.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Systems Guide, 10 pages

GB21-0635

ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-AKR  
This 2 page document describes the purpose and highlights of the Error Statistics By Volume for the System/360, 370. Written in PL/1, this program, using standard SMF data as input, produces Error Statistics Reports that enable the tape user to monitor the quality of his tape library, identify poor volumes for replacement and thus maintain the quality of his library for optimum performance with the hardware. The ESV Reporter operates under either OS MFT or MVT and requires a 130K partition/region and 50 cylinders of IBM 2314 direct access storage (or equivalent).

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 2 pages

SB21-0636

ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AKR  
This 25 page document describes the capabilities of the FDP and the programs of the Error Statistics By Volume system. Written in PL/1 for the System/360, 370, this system, using standard SMF data as input, produces Error Statistics Reports that enable the tape user to monitor the quality of his tape library, identify poor volumes for replacement and thus maintain the quality of his library for optimum performance with the hardware. The ESV Reporter operates under either OS MFT or MVT and requires a 130K partition/region and 50 cylinders of IBM 2314 direct access storage (or equivalent).

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 25 pages

LB21-0637

ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 SYSTEMS GUIDE FDP NUMBER 5798-AKR  
This 16 page document describes the steps necessary to modify the Error Statistics By Volume written in RPG II for the System/360, 370. This program, using standard SMF data as input, produces Error Statistics Reports that enable the tape user to monitor the quality of his tape library, identify poor volumes for replacement and thus maintain the quality of his library for optimum performance with the hardware. The ESV Reporter operates under either OS MFT or MVT and requires a 130K partition/region and 50 cylinders of IBM 2314 direct access storage (or equivalent).

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 16 pages

GB21-0638

DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360 AVAILABILITY NOTICE - FDP NUMBER 5798-AKS  
This 4 page document describes the purpose and highlights of Data Editing and Formatting Aids for the System/360. Written in ALC, this FDP consists of 26 assembler macros providing thirty-one unique functions for text editing and reformatting. The program was developed using the macro facility present in both the DOS and the OS assembler languages. The macros are identical in function under both OS and DOS.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 4 pages

SB21-0639

DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AKS  
This 77 page document describes the capabilities of the FDP and the programs of the Data Editing and Formatting Aids. Written in ALC for the System/360, this system consists of 26 assembler macros providing thirty-one unique functions for text editing and reformatting. The program was developed using the macro facility present in both the DOS and the OS Assembler languages. The macros are identical in function under both OS and DOS.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 77 pages

LB21-0640

DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360 SYSTEMS GUIDE - FDP NUMBER 5798-AKS  
This 33 page document describes the steps necessary to modify the Data Editing and Formatting Aids written in RPG II for the System/360. This program consists of 26 assembler macros providing thirty-one unique functions for text editing and reformatting. The program was developed using the macro facility present in both the DOS and the OS assembler languages. The macros are identical in function under both OS and DOS.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 33 pages

GB21-0671

DOS/OS 3735 COMMUNICATIONS UTILITY FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALG  
This 4 page document describes the purpose and highlights of this DOS/OS 3735 Communications Utility for the System/360, 370. Written in ALC, this FDP provides a comprehensive set of options designed to establish communications between the host System/360 or System/370 and the IBM 3735 Programmable Buffered Terminal. With this FDP, the host system calls the terminal-using the autocall feature on the Transmission Control Unit-collects data from the terminal and sends selected Form Description Programs and data to the terminal. The FDP is run as a batch job under either DOS or OS. Through utility control statements, this FDP provides many options such as terminal ID verifications, data collection on disk or printer, transmission of all or selected form description programs, transmission of selected groups of data to the terminal and many others. Data received from the IBM 3735 can be written onto a sequential disk for later processing by user programs. Data to be selected and sent to the 3735 is located in an indexed sequential file built by the user according to 3735 specifications.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 4 pages

SB21-0672

DOS/OS COMMUNICATIONS UTILITY FOR SYSTEM/360, 370 - PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALG  
This 30 page document describes the capabilities of the FDP and the programs of the DOS/OS Communications utility. Written in ALC for the System/360, 370, this FDP provides a comprehensive set of options designed to establish communications between the host System/360 or System/370 and the IBM 3735 Programmable Buffered Terminal. With this FDP, the host system calls the terminal-using the autocall feature on the Transmission Control Unit-collects data from the terminal and sends selected Form Description Programs and data to the terminal. The FDP is run as a batch job under either DOS or OS. Through utility control statements, this FDP provides many options such as terminal ID verifications, data collection on disk or printer, transmission of all or selected form description programs, transmission of selected groups of data to the terminal and many others. Data received from the IBM 3735 can be written onto a sequential disk for later processing by user programs. Data to be selected and sent to the 3735 is located in an indexed sequential file built by the user according to 3735 specifications.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 30 pages

LB21-0673

DOS/OS COMMUNICATIONS UTILITY FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ALG  
This 14 page document describes the steps necessary to modify the DOS/OS 3735 Communications Utility written in ALC

for the System/360,370. This FDP provides a comprehensive set of options designed to establish communications between the host System/360 or System/370 and the IBM 3735 Programmable Buffered Terminal. With this FDP, the host system calls the terminal-using the autocall feature on the Transmission Control Unit--collects data from the terminal and sends selected Form Description Programs and data to the terminal. The FDP is run as a batch job under either DOS or OS. Through utility control statements, this FDP provides many options such as terminal ID verification, data collection on disk printer, transmission of all or selected form description programs, transmission of selected groups of data to the terminal and many others. Data received from the IBM 3735 can be written on to a sequential disk for later processing by user programs. Data to be selected and sent to the 3735 is located in an indexed sequential file built by the user according to 3735 specifications.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.

Guide, 14 pages

GB21-0677

CREDIT UNION SYSTEM/360/370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALJ

This 4 page document describes the purpose and highlights of Credit Union System/370. Written in RPG II, this FDP is a series of application programs to provide the functions of share and loan accounting. The system is designed to assist credit unions in providing better customer service, reduce expenses, control delinquencies, provide insurance and governmental reports, and maintain efficient internal controls; it operates under DOS on a 3K S/360/370.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.

Flyer, 4 pages

SB21-0678

CREDIT UNION SYSTEM/360/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALJ

This 167 page document describes the capabilities of the FDP and the programs of the Credit Union System/360/370. Written in RPG II, this FDP is a series of application programs to provide the functions of share and loan accounting. The system is designed to assist credit unions in providing better customer service, reduce expenses, control delinquencies, provide insurance and governmental reports, and maintain efficient internal controls; it operates under DOS on a 3K S/360/370.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 167 pages

LB21-0679

CREDIT UNION SYSTEM/360/370 SYSTEMS GUIDE - FDP NUMBER 5798-ALJ

This 114 page document describes the steps necessary to modify the Credit Union System/360/370. Written in RPG II, this FDP is a series of application programs to provide the functions of share and loan accounting. The system is designed to assist credit unions in providing better customer service, reduce expenses, control delinquencies, provide insurance and governmental reports, and maintain efficient internal controls; it operates under DOS on a 3K S/360/370.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.

Guide, 114 pages

GB21-0683

MINIMUM TELE-COMMUNICATION SYSTEM FOR S/370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALN

This 6 page document describes the purpose and highlights of Minimum Tele-Communication System for S/370. Written in Assembler, it is a System/370 offering providing smaller DOS and DOS/VS users with a single-thread, transaction-driven teleprocessing capability. The programming system supports the IBM 3270 and 2740 terminals via DOS BTAM and supports inquiry, file updates, order entry and data collection applications via DOS ISAM. BOMP and DBOMP files may also be accessed via MTCS/370. Transaction programs may be written in Assembler, COBOL or PL/I.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.

Notice, 6 pages

SB21-0684

MINIMUM TELE-COMMUNICATION SYSTEM FOR S/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALN

This 148 page document describes the capabilities of the FDP and the programs of the Minimum Tele-Communication System for S/370. Written in Assembler, it is a System/370

offering providing smaller DOS and DOS/VS users with a single-thread, transaction-driven teleprocessing capability. The programming system supports the IBM 3270 and 2740 terminals via DOS BTAM and supports inquiry, file updates, order entry and data collection applications via DOS ISAM. BOMP and DBOMP files may also be accessed via MTCS/370. Transaction programs may be written in Assembler, COBOL or PL/I.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 148 pages

LB21-0685

MINIMUM TELE-COMMUNICATION SYSTEM FOR S/370 SYSTEMS GUIDE FDP NUMBER 5798-ALN

This 12 page document describes the steps necessary to modify the Minimum Tele-Communication System for S/370. Written in Assembler, it is a System/370 offering providing smaller DOS and DOS/VS users with a single-thread, transaction-driven teleprocessing capability. The programming system supports the IBM 3270 and 2740 terminals via DOS BTAM and supports inquiry, file updates, order entry and data collection applications via DOS ISAM. BOMP and DBOMP files may also be accessed via MTCS/370. Transaction programs may be written in Assembler, COBOL or PL/I.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.

Guide, 12 pages

GB21-0686

DOS 2311/14/19 - 3330 DASD DEVICE INDEPENDENCE ROUTINES AVAILABILITY NOTICE - FDP NUMBER 5798-ALK

This 2 page document describes the purpose and highlights of the DOS 2311/14/19-3330 DASD Device Independence Routines program for the System/360/370 (DOS). Written in Assembler Language, this program provides the DOS user device independence between 2311/14/19 and 3330 disk files. These routines dynamically modify (at OPEN time) any program written in any language that uses Index Sequential, Sequential, Direct Access, or PIOCS in a standard manner.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.

Notice, 2 pages

SB21-0687

DOS 2311/14/19-3330 DASD DEVICE INDEPENDENCE ROUTINES PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALK

This 24 page document describes the capabilities of the FDP and the programs of the DOS 2311/14/19-3330 DASD Device Independence Routines system. Written in Assembler Language for the System 360/370 (DOS), this system provides the DOS user device independence between 2311/14/19 and 3330 disk files. These routines dynamically modify (at OPEN time) any program written in any language that uses Index Sequential, Sequential, Direct Access, or PIOCS in a standard manner.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

Manual, 24 pages

LB21-0688

DOS 2311/14/19-3330 DASD DEVICE INDEPENDENCE ROUTINES SYSTEMS GUIDE - FDP NUMBER 5798-ALK

This 98 page document describes the steps necessary to modify the DOS 2311/14/19-3330 DASD Device Independence Routines FDP written in Assembler Language for the System 360/370 (DOS). This program provides the DOS user device independence between 2311/14/19 and 3330 disk files. These routines dynamically modify (at OPEN time) any program written in any language that uses Index Sequential, Sequential, Direct Access, or PIOCS in a standard manner.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.

Guide, 98 pages

GB21-0704

BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM DOS ALC CONVERSION AID FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-AMC

This 4 page document describes the purpose and highlights of Burroughs 100/200/300/500 Basic Assembler Language to IBM DOS ALC Conversion Aid for the System/360, 370. Written in ALC this program assists in the conversion of Burroughs 100/200/300/500 Series Basic Assembly Language programs to IBM DOS Assembler Language. There are three phases in the conversion process: language translation, manual editing of intermediate output and correction of diagnostics, DOS Assembly. The translation system operates on a System/360 (model 22 or above) or System/370 under DOS. A minimum partition of 14 bytes is required.

This Availability Notice contains complete ordering instruction for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and

others who required information concerning it.  
Flyer, 4 pages

SB21-0705

BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM DOS ALC CONVERSION AID FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMC  
This 56 page document describes the capabilities of the FDP and the programs of the Burroughs 100/200/300/500 Series Basic Assembler Language programs to IBM DOS Assembler Language. There are three phases in the conversion process: language translation, manual editing of intermediate output and correction of diagnostics, DOS Assembly. The translation system operates on a System/360 (model 22 or above) or System/370 under DOS. A minimum partition of 14K bytes is required.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 56 pages

LB21-0706

BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM DOS ALC CONVERSION AID FOR SYSTEM/360, 370 SYSTEMS GUIDE FDP NUMBER 5798-AMC

This 16 page document describes the steps necessary to modify the Burroughs 100/200/300/500 Basic Assembler Language to IBM DOS ALC Conversion Aid written in ALC Conversion Aid for the System/360,370. This program assists in the conversion of Burroughs 100/200/300/500 Basic Assembler Language to IBM DOS Assembler Language. There are three phases in the conversion process: language translation, manual editing of intermediate output and correction of diagnostics, DOS Assembly. The translation system operates on a System/360 (model 22 or above) or System/370 under DOS. A minimum partition of 14K bytes is required.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 16 pages

GB21-0734

ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360 FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALY

This 6 page document describes the purpose and highlights of Arithmetic Proficiency Training Program Using System/360 for System/360, 370. Written in Coursewriter III and Assembler Language and operating on System/360, 370, this program is a computerized test-and-practice program designed to assist the student in improving his computational skills in the basic operations on whole numbers, fractions, mixed numbers, decimals and percents. By interspersed diagnostic testing, it directs a student to practice only those skills in which he is judged deficient. The program covers five skill areas of arithmetic and include twenty-nine sets of skills called molecules. Statistics on the student's progress are kept for teacher review.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 6 pages

SB21-0735

ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360 FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALY

This 155 page document describes the capabilities of the Arithmetic Proficiency Training Program Using System/360, 370. Written in Coursewriter III and Assembler Language, is a computerized test-and-practice program designed to assist the student in improving his computational skills in the basic operations on whole numbers, fractions, mixed numbers, decimals and percents. By interspersed diagnostic testing, it directs a student to practice only those skills in which he is judged deficient. The program covers five skill areas of arithmetic and include twenty-nine sets of skills called molecules. Statistics on the student's progress are kept for teacher review.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 155 pages

LB21-0736

ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ALY

This 105 page document describes the steps necessary to modify the Arithmetic Proficiency Training Program Using System/360, 370 written in Coursewriter III and Assembler Language. This program is a computerized test-and-practice program designed to assist the student in improving his computational skills in the basic operations on whole numbers, fractions, mixed numbers, decimals and percents. By interspersed diagnostic testing, it directs a student to practice only those skills in which he is judged deficient. The program covers five skill areas of arithmetic and include twenty-nine sets of skills called molecules. Statistics on the student's progress are kept for teacher

review.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 105 pages

GB21-0740

DOS 3330 DATA SET CONVERSION AID AVAILABILITY NOTICE - FDP NUMBER 5798-AMN

This 2 page document describes the purpose and highlights of DOS 3330 Data Set Conversion Aid FDP. This FDP, written in ALC, provides the S/360/370 DOS user with a facility to copy data sets from one DASD to a 3330. Based upon parameters submitted by the user, the program will produce DOS Assembler programs which can be compiled and executed to perform the actual conversion of each data set. The 3330 Data Set Conversion Aid provides support for users converting from 2311, 14, 19 to the 3330 DASF.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Manual, 2 pages

SB21-0741

DOS 3330 DATA SET CONVERSION AID PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMN

This 23 page document describes the capabilities and the programs of the DOS 3330 Data Set Conversion Aid. This FDP, written in ALC, provides the S/360/370 DOS user with a facility to copy data sets from one DASD to a 3330. Based upon parameters submitted by the user, the program will produce DOS Assembler programs which can be compiled and executed to perform the actual conversion of each data set. The 3330 Data Set Conversion Aid provides support for users converting from 2311, 14, 19 to the 3330 DASF.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 23 pages

LB21-0742

DOS 3330 DATA SET CONVERSION AID SYSTEMS GUIDE - FDP NUMBER 5798-AMN

This 13 page document describes the steps necessary to modify the DOS 3330 Data Set Conversion Aid FDP. This FDP, written in ALC, provides the S/360/370 DOS user with a facility to copy data sets from one DASD to a 3330. Based upon parameters submitted by the user, the program will produce DOS Assembler programs which can be compiled and executed to perform the actual conversion of each data set. The 3330 Data Set Conversion Aid provides support for users converting from 2311, 14, 19 to the 3330 DASF.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modification, diagnose program errors and perform program maintenance.  
Guide, 13 pages

GB21-0749

CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VS1 AVAILABILITY NOTICE - FDP NUMBER 5798-AMR

The CIF package, written in OS Assembler, provides facilities for building, maintaining, and inquiry into a customer name and address file containing pointers to customer records on application files. Input to the system is name and address records (converted to a standard format) for existing application files. Batch CIF programs standardize this data, generate unique customer name keys and build a CIF based upon customer name. Additionally, application index files (AIFs) are built which point to the customers in the CIF for each account. Report programs are included to extract information from the files in several formats. CICS provides online facilities for inquiry and maintenance of both types of files. Utilizes CICS Version 2.2 under either OS Release 21 or OS/VS Release .1.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 6 pages

SB21-0750

CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VS1 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMR

This 269 page document describes the capabilities of the FDP and the programs of the Customer Information File (CIF) using CICS under OS/VS1. The CIF package, written in OS Assembler, provides facilities for building, maintaining, and inquiry into a customer name and address file containing pointers to customer records in application files. Input to the system is name and address records (converted to a standard format) for existing application files. Batch CIF program standardize this data, generate unique customer name keys and build a CIF based upon customer name. Additionally, application index files (AIFs) are built which point to the customers in the CIF for each account. Report programs are included to extract information from the files in several formats. CICS provides online facilities for

inquiry and maintenance of both types of files. Utilizes CICS Version 2.2 under either OS Release 21 or OS/VS1 Release .1.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 269 pages

## LB21-0751

CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VS1 SYSTEM GUIDE - FDP NUMBER 5798-AMR

This 177 page document describes the steps necessary to modify the Customer Information File (CIF) using CICS under OS/VS1. The CIF package, written in OS Assembler, provides facilities for building, maintaining, and inquiry into a customer name and address file containing pointers to customer records in application files. Input to the system is name and address records (converted to a standard format) for existing application files. Batch CIF programs standardize this data, generate unique customer name keys and build a CIF based upon customer name. Additionally, application index files (AIFs) are built which point to the customers in the CIF for each account. Report programs are included to extract information from the files in several formats. CICS provides online facilities for inquiry and maintenance of both types of files. Utilizes CICS Version 2.2 under either OS Release 21 or OS/VS1 Release .1.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 177 pages

## GB21-0761

STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ANE

This 4 page document describes the purpose and highlights of STREAM - A3270 Information Display System Programming Aid for the System/360, 370. Written in BAL, this program, which is comprised of a macro and a support module, is designed to facilitate the use of the wide variety of advance facilities available on the 3270 IDS. This DSP will assist the programmer in the detailed structuring and analysis of data and control characters. The FDP consists of two basic parts. The first is a support module that is assembled once and catalogued by the user. The second is the programmer interface. When the user wishes to activate the STREAM system, he will issue a series of STREAM macros (BAL) of high-level language STREAM calls.

This Availability Notice contains complete ordering instruction for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Flyer, 4 pages

## SB21-0762

STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING AID FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL FDP NUMBER 5798-ANE

This 49 page document describes the capabilities of the FDP and the programs of the STREAM - A3270 Information Display System Programming Aid. Written in OS/DOS, for the System/360, 370, this system, which is comprised of a macro and a support module, is designed to facilitate the use of the wide variety of advance facilities available on the 3270 IDS. This FDP will assist the programmer in the detailed structuring and analysis of data and control characters. The FDP consists of two basic parts. The first is a support module that is assembled once and catalogued by the user. The second is the programmer interface. When the user wishes to activate the STREAM system, he will issue a series of STREAM macros (BAL) or high-level language STREAM calls.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 49 pages

## LB21-0763

STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING AID FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ANE

This 19 page document describes the steps necessary to modify the STREAM - A3270 Information Display System Programming Aid written in BAL for the System/360, 370. This program, which is comprised of macro and a support module, is designed to facilitate the use of the wide variety of advance facilities available on the 3270 IDS. This FDP will assist the programmer in the detailed structuring and analysis of data and control characters. The FDP consists of two basic parts. The first is a support module that is assembled once and catalogued by the user. The second is the programmer interface. When the user wishes to activate the STREAM system, he will issue a series of STREAM macros (BAL) or high-level language STREAM calls.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 19 pages

## GB21-0764

TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE AVAILABILITY NOTICE - FDP NUMBER 5798-AND

The on-line Teller Control system will provide to a financial institution a higher level of customer satisfaction and improved internal control. It operates under control of the IBM CICS Program Product/DOS-Standard (5736-XX7). Together, they provide an integrated data base/data communications system which supports the teller functions required to process savings transactions, memo-post DDA transactions, and control to the teller monetary position for other transactions using the IBM 2980 terminal system.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice

## SB21-0765

TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AND

This 126 page document describes the capabilities of the FDP and the programs of the Teller Control System Under CICS/DOS/360-370 on-line. Written in DOS, the on-line Teller Control system will provide to a financial institution a higher level of customer satisfaction and improved internal control. It operates under control of the IBM CICS Program Product/DOS-Standard (5736-XX7). Together, they provide an integrated data base/data communications system which supports the teller functions required to process savings transactions, memo-post DDA transactions, and control to the teller monetary position for other transactions using the IBM 2980 terminal system.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 126 pages

## LB21-0766

TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE SYSTEMS GUIDE - FDP NUMBER 5798-AND

This 100 page document describes the steps necessary to modify the Teller Control System online FDP written in DOS for the S/360. The online Teller Control system will provide to a financial institution a higher level of customer satisfaction and improved internal control. It operates under control of the IBM CICS Program Product/DOS-Standard (5736-XX7). Together, they provide an integrated data base/data communications system which supports the teller functions required to process savings transactions, memo-post DDA transactions, and control to the teller monetary position for other transactions using the IBM 2980 terminal system.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 100 pages

## GB21-0776

TELLER CONTROL SYSTEM FOR SYSTEM/370 (OS) AVAILABILITY NOTICE - FDP NUMBER 5798-ANH

This 4 page document describes the purpose and highlights of Teller Control System for System/370 (OS). Written in COBOL and ALC, this program operates under control of the IBM CICS Program Product OS-STANDARD, Version 2 (5734-XX7), to provide an integrated data base/data communications system which supports the teller functions required to process savings transactions, memo-post DDA transactions, and control the teller monetary position for other transactions using the IBM 2980 terminal system. The offline service programs complement the online system by performing necessary file creation and maintenance and produce daily reports.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Flyer, 4 pages

## SB21-0777

TELLER CONTROL SYSTEM FOR SYSTEM/370 (OS): FDP 5798-ANH DESCRIPTION/OPERATIONS

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.  
Manual, 194 pages

## LB21-0778

TELLER CONTROL SYSTEM FOR SYSTEM/370 (OS) SYSTEMS GUIDE FDP NUMBER 5798-ANH

This 196 page document describes the steps necessary to modify the Teller Control System for System/370 (OS). Written in COBOL and ALC, this program operates under control of the IBM CICS Program Product OS-STANDARD, Version

2 (5734-XX7), to provide an integrated data base/data communications system which supports the teller functions required to process savings transactions, memo-post DDA transactions, and control the teller monetary position for other transactions using the IBM 2980 terminal system. The offline service programs complement the online system by performing necessary file creation and maintenance and produce daily reports.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 196 pages

## GB21-0800

CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ANK  
This 2 page document describes the purpose and highlights of CPU Console as System/360, 370 CICS Master Terminal for System/360, 370. Written in Bal, this program allows the user to utilize the CPU console as a master terminal. CICS transactions can be requested from the console, messages can be sent from terminals to the console, and CICS error messages can be routed to the console. The program requires no modification to CICS and allows normal operating system use of the console.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 2 pages

## SB21-0801

CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ANK

This 31 page document describes the capabilities of the FDP and the programs of the CPU Console as System/360, 370 CICS Master Terminal. Written in Bal for the System/360, 370, this system running under CICS DOS Entry, DOS Standard and OS Standard, Version 2, allows the user to utilize the CPU console as a master terminal. CICS transactions can be requested from the console, and CICS error messages can be routed to the console. The program requires no modification to CICS and allows normal operating system use of the console.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 31 pages

## LB21-0802

CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ANK

This 24 page document describes the steps necessary to modify the CPU Console as System/360, 370 CICS Master Terminal written in Bal for the System/360, 370. This program running under CICS DOS Entry, DOS Standard and OS Standard, Version 2, allows the user to utilize the CPU console as a mater terminal. CICS transactions can be requested from the console, messages can be sent from terminals to the console, and CICS error messages can be routed to the console. The program requires no modification to CICS and allows normal operating system use of the console.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 24 pages

## GB21-0836

BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID AVAILABILITY NOTICE - FDP NUMBER 5798-APH

This 6 page document describes the purpose and highlights of the FDP. This FDP written in ALC is a series of programs, subroutines, and procedures designed to address many of the problems encountered when converting from Burrough 2500 Series COBOL to IBM ANS COBOL. The translation system was designed to operate under either DOS or OS, and produce COBOL code to be compiled under OS, DOS, or S/3. A data conversion utility program is provided to convert Burroughs tape files to standard IBM files. It is designed to convert 7 track BCL or BCD, 9 track EBCDIC or ASCII or, via a user exit, a user-specified code. The data conversion utility offers the user great flexibility of data handling and formatting during the conversion process. The FDP will operate under OS on a S/360/370 with a 44K byte or larger region, and under DOS on a S/360/370 with a minimum of 48K bytes of storage.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 6 pages

## SB21-0837

BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-APH  
This 46 page document describes the capabilities of the FDP

and the programs of the Burroughs 2500 series COBOL to IBM ANS COBOL Conversion Aid. This FDP written in ALC is a series of programs, subroutines, and procedures designed to address many of the problems encountered when converting from Burrough 2500 Series COBOL to IBM ANS COBOL. The translation system was designed to operate under either DOS or OS, and produce COBOL code to be compiled under OS, DOS, or S/3. A data conversion utility program is provided to convert Burroughs tape files to standard IBM files. It is designed to convert 7 track BCL or BCD, 9 track EBCDIC or ASCII or, via a user exit, a user-specified code. The data conversion utility offers the user great flexibility of data handling and formatting during the conversion process. The FDP will operate under OS on a S/360/370 with a 44K byte or larger region, and under DOS on a S/360/370 with a minimum of 48K bytes of storage.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 46 pages

## LB21-0838

BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID SYSTEMS GUIDE - FDP NUMBER 5798-APH

This 146 page document describes the steps necessary to modify the Burroughs 2500 Series COBOL to IBM ANS COBOL Conversion Aid written in ALC for the S/360/370. This FDP written in ALC is a series of programs, subroutines, and procedures designed to address many of the problems encountered when converting from Burrough 2500 Series COBOL to IBM ANS COBOL. The translation system was designed to operate under either DOS or OS, and produce COBOL code to be compiled under OS, DOS, or S/3. A data conversion utility program is provided to convert Burroughs tape files to standard IBM files. It is designed to convert 7 track BCL or BCD, 9 track EBCDIC or ASCII or, via a user exit, a user-specified code. The data conversion utility offers the user great flexibility of data handling and formatting during the conversion process. The FDP will operate under OS on a S/360/370 with a 44K byte or larger region, and under DOS on a S/360/370 with a minimum of 48K bytes of storage.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modification, diagnose program errors and perform program maintenance.  
Guide, 146 pages

## GB21-0839

IBM ANS COBOL CONVERSION AID FOR NCR CENTURY COBOL FOR SYSTEM/360/370 AVAILABILITY NOTICE - FDP NUMBER 5798-APG

This 4 page document describes the purpose and highlights of IBM ANS COBOL Conversion Aid for NCR Century COBOL for System/360/370. This Field Developed Program is a series of programs, subroutines, and procedures designed to address many of the problems encountered when converting from NCR Century Series COBOL to IBM ANS COBOL. The translation system was designed to operate under either DOS or OS, and produce COBOL code to be compiled under OS, DOS, or System/3.

A data conversion utility program is provided to copy tape files, translate data and expand files when packed numeric data had been specified. It will handle variable, or fixed records and will produce variable, fixed or spanned records.

The FDP will operate under OS on a System/360/370 in a 50K region, and under DOS on a System/360/370 with a partition of 44K bytes of storage.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Flyer, 4 pages

## SB21-0840

IBM ANS COBOL CONVERSION AID FOR NCR CENTURY COBOL FOR SYSTEM/360/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-APG

This 63 page document describes the capabilities of the FDP and the programs of the IBM ANS COBOL Conversion Aid for NCR Century COBOL for System/360/370. This Field Developed Program is a series of programs, subroutines, and procedures designed to address many of the problems encountered when converting from NCR Century Series COBOL to IBM ANS COBOL. The translation system was designed to operate under either DOS or OS, and produce COBOL code to be compiled under OS, DOS, or System/3.

A data conversion utility program is provided to copy tape files, translate data and expand files when packed numeric data had been specified. It will handle variable, or fixed records and will produce variable, fixed or spanned records.

The FDP will operate under OS on a System/360/370 in a 50K region, and under DOS on a System/360/370 with a partition of 44K bytes of storage.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 63 pages

LB21-0841

IBM ANS COBOL CONVERSION AID FOR NCR CENTURY COBOL FOR SYSTEM/360/370 SYSTEMS GUIDE - FDP NUMBER 5798-APG

This 270 page document describes the steps necessary to modify the IBM ANS COBOL Conversion Aid for NCR Century COBOL for System/360/370. This Field Developed Program is a series of programs, subroutines, and procedures designed to address many of the problems encountered when converting from NCR Century Series COBOL to IBM ANS COBOL. The translation system was designed to operate under either DOS or OS, and produce COBOL code to be compiled under OS, DOS, or System/3.

A data conversion utility program is provided to copy tape files, translate data and expand files when packed numeric data had been specified. It will handle variable, or fixed records and will produce variable, fixed or spanned records.

The FDP will operate under OS on a System/360/370 in a 50K region, and under DOS on a System/360/370 with a partition of 44K bytes of storage.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Guide, 270 pages

SB21-0852

THE TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 OFF-LINE PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-APX

This 67 page document describes the capabilities of the FDP and the programs of the Teller Control System under CICS/DOS/360-370 off-line. Written in DOS the off-line Teller Control System complements the on-line system by performing necessary file creation and maintenance and produces daily reports for the user.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 67 pages

LB21-0853

TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 OFF-LINE SYSTEMS GUIDE - FDP NUMBER 5798-APX

This 96 page document describes the steps necessary to modify the Teller Control System under CICS/DOS/360-370 written in DOS. The off-line Teller Control system complements the on-line system by performing necessary file creation and maintenance and produces daily reports for the user.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Guide, 96 pages

GB21-0857

OS/DITTO AVAILABILITY NOTICE - FDP NUMBER 5798-ARD

This 4 page document describes the purpose and highlights of OS/DITTO. Written in Assembler, this program is a generalized utility program that provides most of the normal card, tape, and disk utility functions, thus eliminating the necessity of using several different OS utility programs. The functions provided are the equivalent of the functions provided by the DOS/DITTO FDP (5798-ARN).

DOS/DITTO, written in ALC, is a general purpose utility program containing thirty-seven utility functions for Unit Record, Tape and Disk Input/Output units. Functional utilities are: Tape and Disk Record Scan, Disk and Tape Record Alteration, Disk ID Volume Number Charge, Deblocking and Tape Records when printing, and User Tape Error Correction. DOS/DITTO is an enhanced version of the Type III program DITTO-360D.00.1.018. It requires a S/360, 370 with a minimum partition size of 16K and supports 3330 devices. This FDP was approved and announced in October 1972.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Notice, 4 pages

SB21-0858

OS/DITTO PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ARD

This 33 page document describes the capabilities of the FDP and the programs of the OS/DITTO. Written in Assembler, this program is a generalized utility program that provides most of the normal card, tape, and disk utility functions, thus eliminating the necessity of using several different OS utility programs. The functions provided are the equivalent of the functions provided by the DOS/DITTO FDP (5798-ARN).

DOS/DITTO, written in ALC, is a general purpose utility program containing thirty-seven utility functions for Unit Record, Tape and Disk Input/Output units. Functional utilities are: Tape and Disk Record Scan, Disk and Tape Record Alteration, Disk ID Volume Number Charge, Deblocking and Tape Records when printing, and User Tape Error Correction. DOS/DITTO is an enhanced version of the Type III program DITTO-360D.00.1.018. It requires a S/360, 370 with a minimum partition size of 16K and supports 3330 devices. This FDP was approved and announced in October 1972.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 33 pages

LB21-0859

OS/DITTO SYSTEMS GUIDE - FDP NUMBER 5798-ARD

This 13 page document describes the steps necessary to modify the OS/DITTO. Written in Assembler, this program is a generalized utility program that provides most of the normal card, tape, and disk utility functions, thus eliminating the necessity of using several different OS utility programs. The functions provided are the equivalent of the functions provided by the DOS/DITTO FDP (5798-ARN).

DOS/DITTO, written in ALC, is a general purpose utility program containing thirty-seven utility functions for Unit Record, Tape and Disk Input/Output units. Functional utilities are: Tape and Disk Record Scan, Disk and Tape Record Alteration, Disk ID Volume Number Charge, Deblocking and Tape Records when printing, and User Tape Error Correction. DOS/DITTO is an enhanced version of the Type III program DITTO-360D.00.1.018. It requires a S/360, 370 with a minimum partition size of 16K and supports 3330 devices. This FDP was approved and announced in October 1972.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Manual, 13 pages

GB21-0875

DOS/DITTO FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ARN

This 2 page document describes the purpose and highlights of DOS/DITTO for the System/360, 370. Written in ALC, this program is a general purpose utility program containing thirty-seven (37) utility functions for Unit Record, Tape and Disk Input/Output units. Functional utilities are: Tape and Disk Record Scan, Disk and Tape Record Alteration, Disk ID Volume Number Charge, Deblocking and Tape Records when printing, and User Tape Error Correction. DOS/DITTO is an enhanced version of the Type III program DITTO-360D.00.1.018. DOS/DITTO requires a System/360, 370 with a minimum partition size of 16K.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Notice, 2 pages

SB21-0876

DOS/DITTO FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ARN

This 28 page document describes the capabilities of the FDP and the programs of DOS/DITTO. Written in ALC for the System/360, 370, this program is a general utility program containing thirty-seven (37) utility functions for Unit Record, Tape and Disk Input/Output units. Functional utilities are: Tape and Disk Record Scan, Disk and Tape Record Alteration, Disk ID Volume Number Charge, Deblocking and Tape Records when printing, and User Tape Error Correction. DOS/DITTO is an enhanced version of the Type III program DITTO-360D.00.1.018. DOS/DITTO requires a System/360, 370 with a minimum partition size of 16K.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 28 pages

LB21-0877

DOS/DITTO FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ARN

This 13 page document describes the capabilities of the FDP and the programs of the DOS/DITTO. Written in ALC for the System/360, 370, this system is a general purpose utility program containing thirty-seven (37) utility functions for Unit Record, Tape and Disk Input/Output units. Functional utilities are: Tape and Disk Record Scan, Disk and Tape Record Alteration, Disk ID Volume Number Charge, Deblocking and Tape Records when printing, and User Tape Error Correction. DOS/DITTO-360D.00.1.018. DOS/DITTO requires a System/360, 370 with a minimum partition size of 16K.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Guide, 13 pages

GB21-0890

DOS FILE GENERATION UTILITY AVAILABILITY NOTICE - FDP NUMBER 5798-ARX

The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.

Notice, 4 pages

SB21-0891

DOS FILE GENERATION UTILITY PDOM - FDP NUMBER 5798-ARX  
This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described and primary processing procedures specified. This manual is both a system description and an installation and operations reference document.  
Manual, 46 pages

LB21-0892

DOS FILE GENERATION UTILITY SYSTEMS GUIDE - FDP NUMBER 5798-ARX

This 14 page document describes the steps necessary to modify the DOS File Generation Utility Systems Guide.  
Testing, a basic function of program development, can make up 20-50% of total project costs. Proper test data and procedures are key to successful systems integration, conversion, and installation. This FDP, written in ALC, reduces the time required to design, code and de-bug test programs since the user need only specify the content of each logical record, format of records to be written, nature of output files (block, size, etc.), and any optional functions. The Generator builds the test files.  
This systems guide provides the Systems Analyst with the necessary information to the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
STCDE(25.0)  
Guide, 13 pages

GB21-0908

IMS/360 2260-3270 CONVERSION AID FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ASG

This 2 page document describes the propose and highlights of IMS/360 2260-3270 Conversion Aid for the System/360, 370. Written in Assembler, this offering will provide IMS/360 Level 2.3 users with a conversion aid for gradual transition from IBM 2260 to IBM 3270 operations. Simulating a 960-character IBM 2260 screen on a 1920-character IBM 3270 screen, the FDP allows the user to continue operations in simulated 2260 mode while converting his applications to 3270 native mode operation. This conversion aid will not be provided beyond Level 2.3 of IMS/360.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 2 pages

SB21-0909

IMS/360 2260-3270 CONVERSION AID FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ASG  
This 55 page document describes the capabilities of the FDP and the programs of the IMS/360 2260-3270 conversion Aid. Written in Assembler for the System/360, 370 this offering will provide IMS/360 Level 2.3 users with a conversion aid for gradual transition from IBM 2260 to IBM 3270 operations. Simulating a 960-character IBM 2260 screen on a 1920-character IBM 3270 screen, the FDP allows the user to continue operation in simulated 2260 mode while converting his applications to 3270 native mode operation. This conversion aid will not be provided beyond Level 2.3 of IMS/360.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 55 pages

LB21-0910

IMS/360 2260-3270 CONVERSION AID FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ASG

This 30 page document describes the steps necessary to modify the IMS/360 2260-3270 Conversion Aid written in Assembler for the System/360, 370. This offering will provide the IMS/360 Level 2.3 users with a conversion aid for gradual transition from IBM 2260 to IBM 3270 operations. Simulating a 960-character IBM 2260 screen on a 1920-character IBM 3270 screen, the FDP allows the user to continue operations in simulated 2260 mode while converting his applications to 3270 native mode operation. This conversion aid will not be provided beyond Level 2.3 of IMS/360.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 30 pages

GB21-0914

IBM ANS COBOL FROM GE-415 COBOL CONVERSION AID FDP 5798-ASY, NOTICE

This 2 page document describes the purpose and highlights of the IBM ANS COBOL from GE-415 COBOL Conversion Aid FDP. This FDP, written in ALC, is a series of programs and procedures designed to assist in the conversion of GE-415 COBOL programs to IBM ANS COBOL as well as translation of GE-415 tape files to EBCDIC. The system operates under DOS, but has capability of producing output for either DOS or OS environments. The conversion programs will operate under DOS on any System 360/370, Model 22 or larger with a

partition size of 14K. The use of the tape file conversion program will require two tape drives, one of which may be 7-track drive.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Availability Notice, 2 pages

SB21-0915

IBM ANS COBOL FROM GE-415 COBOL CONVERSION AID FDP 5798-ASY

DESCRIPTION/OPERATIONS

This 29 page document describes the capabilities of the FDP and the programs of the IBM ANS COBOL from GE-415 COBOL Conversion Aid. This FDP, written in ALC, is a series of programs and procedures designed to assist in the conversion of GE-415 COBOL programs to IBM ANS COBOL as well as translation of GE-415 tape files to EBCDIC. The system operates under DOS, but has capability of producing output for either DOS or OS environments. The conversion programs will operate under DOS on any System 360/370, Model 22 or larger with a partition size of 14K. The use of the tape file conversion program will require two tape drives, one of which may be 7-track drive.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 29 pages

LB21-0916

IBM ANS COBOL FROM GE-415 COBOL CONVERSION AID FDP 5798-ASY SYSTEMS GUIDE

This 17 page document describes the steps necessary to modify the IBM ANS COBOL from GE-415 COBOL Conversion Aid FDP. This FDP, written in ALC, is a series of programs and procedures designed to assist in the conversion of GE-415 COBOL programs to IBM ANS COBOL as well as translation of GE-415 tape files to EBCDIC. The system operates under DOS, but has capability of producing output for either DOS or OS environments. The conversion programs will operate under DOS on any System 360/370, Model 22 or larger with a partition size of 14K. The use of the tape file conversion program will require two tape drives, one of which may be 7-track drive.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Manual, 17 pages

GB21-0935

HEALTH CARE SUPPORT/ADMISSIONS SYSTEM FOR SYSTEM/370: AVAILABILITY NOTICE - FDP NUMBER 5798-ASZ

This 4 page document describes the purpose and highlights of Health Care Support/Admissions System for System/370. Written in COBOL, this set of DOS/CICS/ANS COBOL programs provides the following functions utilizing the IBM 3270 Information Display System:

- o Preadmissions
- o Transfers
- o Admissions
- o Discharges
- o Inquiries for information about patients and beds
- o Communication with the patient accounting system

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 4 pages

SB21-0936

HEALTH CARE SUPPORT/ADMISSIONS SYSTEM FOR SYSTEM/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ASZ

This 133 page document describes the capabilities of the FDP and programs of the Health Care Support/Admissions System for S/370. Written in COBOL, this set of DOS/CICS/ANS COBOL programs provides the following functions utilizing the IBM 3270 Information Display System:

- o Preadmissions
- o Transfers
- o Admissions
- o Discharges
- o Inquiries for information about patients and beds
- o Communication with the patient accounting system

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 133 pages

LB21-0937

HEALTH CARE SUPPORT/ADMISSIONS SYSTEM FOR SYSTEM/370 SYSTEMS GUIDE - FDP NUMBER 5798-ASZ

This 115 page document describes the steps necessary to modify the Health Care Support/Admissions System for S/370. Written in COBOL, this set of DOS/CICS/ANS COBOL programs provides the following functions utilizing the IBM 3270 Information Display System:

- o Preadmissions
- o Transfers

- o Admissions
- o Discharges
- o Inquiries for information about patients and beds
- o Communication with the patient accounting system

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modification, diagnose program errors and perform program maintenance.  
Guide, 115 pages

Manual, 163 pages

GB21-0938

DATA COMPRESSION/EXPANSION FOR S/360/370 AVAILABILITY NOTICE  
FDP NUMBER 5798-ATB  
This 2 page document describes the purpose and highlights of Data Compression/Expansion for S/360/370. This FDP written in ALC is designed to reduce off-line storage requirements for alphanumeric data. The COMPRESS routine provided compresses 8-bit alphanumeric bytes into a 6-bit form, thus reducing storage requirements by 25%. The EXPAND routine restores the data to its original 8-bit format for printing or display purposes. The sub-routines can be accessed by OS or DOS programs written in COBOL, PL/I, RPG, or ALC.  
This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 2 pages

SB21-0939

DATA COMPRESSION/EXPANSION FOR S/360/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATB  
This FDP written in ALC is designed to reduce off-line storage requirements for alphanumeric data. The COMPRESS routine provided compresses 8-bit alphanumeric bytes into a 6-bit form, thus reducing storage requirements by 25%. The EXPAND routine restores the data to its original 8-bit format for printing or display purposes. The sub-routines can be accessed by OS or DOS programs written in COBOL, PL/I, RPG, or ALC.  
This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 13 pages

GB21-0963

HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370 AVAILABILITY NOTICE - FDP NUMBER 5798-ATR  
This 4 page document describes the purpose and highlights of Health Care Support/Patient History System for System/370. Written in ANS COBOL, 370 ALC the Patient History System provides for self-administered on-line collection of medical history data, using the IBM 3277 or 3275 video display terminal with light pen. Optionally, data may be entered via the IBM 3505 or 2540 card readers after extraction from off-line questionnaires. Patient summaries can immediately be printed at the IBM 3286 remote printers, or on high speed printers at the central computer.  
This system contains no medical data. Questions, text for the printed history summaries, and formats for printing summaries are defined on two types of special coding forms by the user. These definitions are punched into cards and processed through generation programs of the Patient History System to create control files. These files are then used by the system in the collection and printing of patient data.  
This system operates under either OS or DOS. The on-line programs use CICS Standard data base/data communication facilities.  
This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 4 pages

SB21-0964

HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATR  
This 163 page document describes the capabilities of the FDP and the programs of the Health Care Support/Patient History System for System/370. Written in ANS COBOL, 370 ALC the Patient History System provides for self-administered on-line collection of medical history data, using the IBM 3277 or 3275 video display terminal with light pen. Optionally, data may be entered via the IBM 3505 or 2540 card readers after extraction from off-line questionnaires. Patient summaries can immediately be printed at the central computer.  
This system contains no medical data. Questions, text for the printed history summaries, and formats for printing summaries are defined on two types of special coding forms by the user. These definitions are punched into cards and processed through generation programs of the Patient History System to create control files. These files are then used by the system in the collection and printing of patient data.  
This system operates under either OS or DOS. The on-line programs use CICS Standard data base/data communication facilities.  
This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.

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LB21-0965

HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370 SYSTEMS GUIDE - FDP NUMBER 5798-ATR  
This 79 page document describes the steps necessary to modify the Health Care Support/Patient History System for System/370. Written in ANS COBOL, 370 ALC the Patient History System provides for self-administered on-line collection of medical history data, using the IBM 3277 or 3275 video display terminal with light pen. Optionally, data may be entered via the IBM 3505 or 2540 card readers after extraction from off-line questionnaires. Patient summaries can immediately be printed at the IBM 3286 remote printers, or on high speed printers at the central computer.  
This system contains no medical data. Questions, text for the printed history summaries, and formats for printing summaries are defined on two types of special coding forms by the user. These definitions are punched into cards and processed through generation programs of the Patient History System to create control files. These files are then used by the system in the collection and printing of patient data.  
This system operates under either OS or DOS. The on-line programs use CICS Standard data base/data communication facilities.  
This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Manual, 79 pages

GB21-0975

INTERACTIVE PLOTTING POST PROCESSOR FOR APT UNDER CMS AVAILABILITY NOTICE - FDP NUMBER 5798-ARX  
This four page document describes the purpose and highlights of Interactive Plotting Post Processor for APT Under CMS, and is written in Assembler, PL/I. Users of CMS APT (FDP 5798-AGD) may now plot the Cutter Location File (CLFILE) which results form the execution of the APT processor. The plotting device may be either a CRT or a pen plotter which is attached to the users 2741 or Teletype terminal. The plot provides visual validation of the part program, reducing the likelihood of error in the NC tape. This FDP is written in Assembler and PL/I for the S/360-67 or S/370-VS.  
This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 4 pages

SB21-0976

INTERACTIVE PLOTTING POST PROCESSOR FOR APT UNDER CMS PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATX  
This 39 page document describes the capabilities of the FDP and the programs of the Interactive Plotting Post Processor for APT Under CMS, and is written in Assembler PL/I. Users of CMS APT (FDP 5798-AGD) may now plot the Cutter Location File (CLFILE) which results form the execution of the APT processor. The plotting device may be either a CRT or a pen plotter which is attached to the users 2741 or Teletype terminal. The plot provides visual validation of the part program, reducing the likelihood of error in the NC tape. This FDP is written in Assembler and PL/I for the S/360-67 or S/370-VS.  
This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 39 pages

GB21-0978

DISTRIBUTION SYSTEM SIMULATOR (DSS) FOR SYSTEM/360-370 AVAILABILITY NOTICE - FDP NUMBER 5798-ATY  
This 4 page document describes the purpose and highlights of Distribution System Simulator Field Developed Program (DSS) for the System 360/370. Written in PL/I, this program provides an effective means to model and analyze a distribution network. DSS uses the questionnaire approach (using commonly known distribution terms) to allow the user to model and examine the behavior of their existing or planned distribution system. DSS is a three phase program. The first phase, the questionnaires, are used to define one's model; the second phase, the simulation, performs the actual simulation; the final phase, the report generator, produces meaningful reports on the simulation. DSS uses this three phase approach to eliminate or significantly reduce the programming required and the analytical interpretation which allows the user to concentrate on his distribution system analysis. Written in PL/I, DSS is designed to run under any System/370 Model 135 (240K-100K partition) and above which has the PL/I optimizing compiler. It runs under OS (minimum partition 200K), OS/VS/1, or OS/VS/II.  
This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Flyer, 4 pages



SB21-0979

DISTRIBUTION SYSTEM SIMULATOR (DSS) FOR SYSTEM/360-370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATY  
This 344 page document describes the capabilities of the FDP and the programs of the Distribution System Simulator Field Developed Program (DSS). Written in PL/1, this program provides an effective means to model and analyze a distribution network. DSS uses the questionnaire approach (using commonly known distribution terms) to allow the user to model and examine the behavior of their existing or planned distribution system. DSS is a three phase program. The first phase, the questionnaires, are used to define one's model; the second phase, the simulation, performs the actual simulation; the final phase, the report generator, produces meaningful reports on the simulation. DSS uses this three phase approach to eliminate or significantly reduce the programming required and the analytical interpretation which allows the user to concentrate on his distribution system analysis. Written in PL/1, DSS is designed to run under any System/370 Model 135 (240K-100K partition) and above which has the PL/1 optimizing compiler. It runs under OS (minimum partition 200K), OS/VS/I, or OS/VS/II.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 344 pages

LB21-0980

DISTRIBUTION SYSTEM SIMULATOR (DSS) FOR SYSTEM/360-370 SYSTEMS GUIDE - FDP NUMBER 5798-ATY  
This 204 page document describes the steps necessary to modify the Distribution System Simulator Field Developed Program (DSS). Written in PL/1, this program provides an effective means to model and analyze a distribution network. DSS uses the questionnaire approach (using commonly known distribution terms) to allow the user to model and examine the behavior of their existing or planned distribution system. DSS is a three phase program. The first phase, the questionnaires, are used to define one's model; the second phase, the simulation, performs the actual simulation; the final phase, the report generator, produces meaningful reports on the simulation. DSS uses this three phase approach to eliminate or significantly reduce the programming required and the analytical interpretation which allows the user to concentrate on his distribution system analysis. Written in PL/1, DSS is designed to run under any System/370 Model 135 (240K-100K partition) and above which has the PL/1 optimizing compiler. It runs under OS (minimum partition 200K), OS/VS/I, or OS/VS/II.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Manual, 204 pages

GB21-0984

APPAREL CUT SCHEDULING FOR SYSTEM/3 MODEL 10 OR SYSTEM/360/370/DOS AVAILABILITY NOTICE - FDP NUMBER 5798-AWA  
This 4 page document describes the purpose and highlights of Apparel Cut Scheduling for System/3 Model 10 or System/360/370/DOS. The program generates cutting schedules, which consist of marker-sizes and spreading-heights, in a cutting-ticket format. The schedules are determined by user-supplied cutting rules (minimum and maximum heights) and input data (garments to be cut). The program is written in RPG II, and is designed to operate on a System/3 Model 10 Disk System or a System/370 under DOS.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 4 pages

SB21-0985

APPAREL CUT SCHEDULING FOR SYSTEM/3 MODEL 10 OR SYSTEM/360/370/DOS PROGRAM DESCRIPTION/OPERATIONS MANUAL FDP NUMBER 5798-AWA

This 25 page document describes the capabilities of the FDP and the programs of the Apparel Cut Scheduling for System/3 Model 10 or System/360/370/DOS. The program generates cutting schedules, which consist of marker-sizes and spreading-heights, in a cutting-ticket format. The schedules are determined by user-supplied cutting rules (minimum and maximum heights) and input data (garments to be cut). The program is written in RPG II, and is designed to operate on a System/3 Model 10 Disk System or a System/370 under DOS.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 25 pages

LB21-0986

APPAREL CUT SCHEDULING FOR SYSTEM/3 MODEL 10 OR SYSTEM/360/370/DOS SYSTEMS GUIDE - FDP NUMBER 5798-AWA

This 10 page document describes the steps necessary to modify the Apparel Cut Scheduling for System/3 Model 10 or System/360/370/DOS FDP. The program generates cutting schedules, which consist of marker-sizes and spreading-heights, in a cutting-ticket format. The schedules are determined by user-supplied cutting rules (minimum and

maximum heights) and input data (garments to be cut). The program is written in RPG II, and is designed to operate on a System/3 Model 10 Disk System or a System/370 under DOS.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 10 pages

GB21-0987

ALPHA SEARCH INQUIRY SYSTEM/IMS INTERFACE

This 4 page document describes the purpose and highlights of the FDP. Written in OS, Alpha Search Inquiry System/IMS Interface extends the facilities and the convenience of the Alpha Search Inquiry System Program Product to the IMS user. The Alpha Search Inquiry System and the "Alpha Search/IMS Interface" provide a conversational name oriented information retrieval system for the IMS user.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Availability Notice, 4 pages

SB21-0988

ALPHA SEARCH INQUIRY SYSTEM/IMS INTERFACE - FDP 5798-AWB DESCRIPTION/OPERATIONS

This 76 page document describes the capabilities of the FDP and the programs of the Alpha Search Inquiry System/IMS Interface. Written in OS for the S/370 this FDP extends the facilities and the convenience of the Alpha Search Inquiry System Program Product to the IMS user. The Alpha Search Inquiry System and the "Alpha Search/IMS Interface" provide a conversational, name oriented, information retrieval system for the IMS user.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 76 pages

LB21-0989

ALPHA SEARCH INQUIRY SYSTEM/IMS INTERFACE - FDP 5798-AWB SYSTEMS GUIDE

This 48 page document describes the steps necessary to modify the Alpha Search Inquiry System/IMS Interface FDP. Written in OS, Alpha Search Inquiry System/IMS Interface extends the facilities and the convenience of the Alpha Search Inquiry System Program Product to the IMS user. The Alpha Search Inquiry System and the "Alpha Search/IMS Interface" provide a conversational, name oriented, information retrieval system for the IMS user.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Manual, 48 pages

GB21-0996

PEGGED REQUIREMENTS/REQUIREMENTS PLANNING SYSTEM/360/370/DOS AVAILABILITY NOTICE - FDP NUMBER 5798-AWE

This 4 page document describes the purpose and highlights of Pegged Requirements/Requirements Planning System/360/370/DOS. Written in PL/I, this program designed for use with Requirements Planning (DOS) (360A-MF-05X) and the Requirements Planning Interface (5736-M13), the FDP provides a "Pegging" facility, pegging individual requirements to their specific sources. This facility enhances the usefulness of the Material Plan by providing user reports to assist Production Planning personnel in evaluating plan changes and handling emergency and rush situations.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Flyer, 4 pages

SB21-0997

PEGGED REQUIREMENTS/REQUIREMENTS PLANNING SYSTEM/360/370/DOS PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AWE

This 80 page document describes the capabilities of the FDP and the programs of the Pegged Requirements/Requirements Planning System/360/370/DOS. Written in PL/I, this program designed for use with Requirements Planning (DOS) (360A-MF-05X) and the Requirements Planning Interface (5736-M13), the FDP provides a "Pegging" facility, pegging individual requirements to their specific sources. This facility enhances the usefulness of the Material Plan by providing user reports to assist Production Planning personnel in evaluating plan changes and handling emergency and rush situations.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 80 pages

LB21-0998

PEGGED REQUIREMENTS/REQUIREMENTS PLANNING SYSTEM/360/370/DOS SYSTEMS GUIDE - FDP NUMBER 5798-AWE  
This 27 page document describes the steps necessary to modify the Pegged Requirements/Requirements Planning System/360/370/DOS FDP. Written in PL/I, this program designed for use with Requirements Planning (DOS) (360A-MF-05X) and the Requirements Planning Interface (5736-M13), the FDP provides a "Pegging" facility, pegging individual requirements to their specific sources. This facility enhances the usefulness of the Material Plan by providing user reports to assist Production Planning personnel in evaluating plan changes and handling emergency and rush situations.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 27 pages

GB21-0999

DOS SOURCE STATEMENT LIBRARY MAINTENANCE FOR ANS COBOL ON SYSTEM/370 AVAILABILITY NOTICE - FDP NUMBER 5798-AWD  
This 2 page document describes the purpose and highlights of DOS Source Statement Library Maintenance for ANS COBOL on System/370. This program is written in Assembler. DOS ANS COBOL users have been reluctant in the past to use the extended source program library facility. In order to update the library, the programmer must prepare a new set of control cards for the DOS MAINT program. He must also convert the COBOL statement numbers (the first six positions) to MAINT statement numbers (the last four positions). This program allows updating the library with the same control cards used in compiling the program. The time required to make new control cards and correct errors can be eliminated.

The convenience of maintaining complete COBOL program libraries on disk may be realized. Programs may be compiled directly from the source statement library with changes submitted on cards. When a program has been fully tested, the change cards may be used to update the library, providing a final version for later use.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Flyer, 2 pages

SB21-1000

DOS SOURCE STATEMENT LIBRARY MAINTENANCE FOR ANS COBOL ON SYSTEM/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AWD

This 26 page document describes the capabilities of the FDP and the programs of the DOS Source Statement Library Maintenance for ANS COBOL on System/370. This program is written in Assembler. DOS ANS COBOL users have been reluctant in the past to use the extended source program library facility. In order to update the library, the programmer must prepare a new set of control cards for the DOS MAINT program. He must also convert the COBOL statement numbers (the first six positions) to MAINT statement numbers (the last four positions). This program allows updating the library with the same control cards used in compiling the program. The time required to make new control cards and correct errors can be eliminated.

The convenience of maintaining complete COBOL program libraries on disk may be realized. Programs may be compiled directly from the source statement library with changes submitted on cards. When a program has been fully tested, the change cards may be used to update the library, providing a final version for later use.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 26 pages

LB21-1001

DOS SOURCE STATEMENT LIBRARY MAINTENANCE FOR ANS COBOL ON SYSTEM/370 SYSTEMS GUIDE - FDP NUMBER 5798-AWD

This 11 page document describes the steps necessary to modify the DOS Source Statement Library Maintenance for ANS COBOL on System/370. This program is written in Assembler. DOS ANS COBOL users have been reluctant in the past to use the extended source program library facility. In order to update the library, the programmer must prepare a new set of control cards for the DOS MAINT program. He must also convert the COBOL statement numbers (the first six positions) to MAINT statement numbers (the last four positions). This program allows updating the library with the same control cards used in compiling the program. The time required to make new control cards and correct errors can be eliminated.

The convenience of maintaining complete COBOL program libraries on disk may be realized. Programs may be compiled directly from the source statement library with changes submitted on cards. When a program has been fully tested, the change cards may be used to update the library, providing a final version for later use.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 11 pages

GB21-1002

DOS/VS DASD DEVICE INDEPENDENCE OPEN (DI OPEN) AVAILABILITY NOTICE - FDP # 5798-AWH

This 2 page document describes the purpose and highlights of DOS/VS DASD Device Independence Open (DI OPEN) for S/370, written in ALC.

This FDP provides DOS-VS users a measure of DASD Device Independence. User programs are modified at execution time to match the direct access device to which they are assigned (2311, 2314, 2319, 3330 or 3340), thereby eliminating the need to change a program to match the device actually on-line. This program is a minor enhancement of DOS 2311/14/19-3330 DASD Device Independence Routines (5798-ALK).

The Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 2 pages

SB21-1003

DOS/VS DASD DEVICE INDEPENDENCE OPEN (DI OPEN) PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AWH

This 31 page document describes the capabilities of the FDP and the programs of the DOS/VS DASD Device Independence Open (DI OPEN), written in ALC for the System/370. This FDP provides DOS-VS users a measure of DASD Device Independence. User programs are modified at execution time to match the direct access device to which they are assigned (2311, 2314, 2319, 3330, or 3340), thereby eliminating the need to change a program to match the device actually on-line. This program is a minor enhancement of DOS 2311/14/19-3330 DASD Device Independence Routines (5798-ALK).

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 31 pages

LB21-1004

DOS/VS DASD DEVICE INDEPENDENCE OPEN (DI OPEN) SYSTEMS GUIDE FDP NUMBER 5798-AWH

This 111 page document describes the steps necessary to modify the DOS/VS DASD Device Independence Open (DI OPEN) FDP written in ALC for the System/370. This FDP provides DOS-VS users a measure of DASD Device Independence. User programs are modified at execution time to match the direct access device to which they are assigned (2311, 2314, 2319, 3330, or 3340), thereby eliminating the need to change a program to match the device actually on-line. This program is a minor enhancement of DOS 2311/14/19-3330 DASD Device Independence Routines (5798-ALK).

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 111 pages

GB21-1008

DOS/VS ASSEMBLER TESTING AID - FDP NUMBER 5798-AWJ NOTICE

This 4 page document describes the purpose and highlights of DOS/VS Assembler Testing Aid. This program is written in Assembler.

This program can merge coding into the user's assembler source deck. When an UPSI card is placed in JCL at execution time, the labels in the name fields of executed instructions print on SYSLSST. When testing is complete, the program may be used to remove the added code. (Without UPSI card, code is transparent to user.)

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 4 pages

SB21-1009

DOS/VS ASSEMBLER TESTING AID - FDP NUMBER 5798-AWJ DESCRIPTION/OPERATIONS

This 46 page document describes the capabilities of the FDP and the programs of the DOS/VS Assembler Testing Aid. This program is written in Assembler.

This program can merge coding into the user's assembler source deck. When an UPSI card is placed in JCL at execution time, the labels in the name fields of executed instructions print on SYSLSST. When testing is complete, the program may be used to remove the added code. (Without UPSI card, code is transparent to user.)

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 46 pages

LB21-1010

DOS/VS ASSEMBLER TESTING AID - FDP NUMBER 5798-AWJ SYSTEMS GUIDE

This document describes the steps necessary to modify the DOS/VS Assembler Testing Aid. This program is written in Assembler.

This program can merge coding into the user's assembler source deck. When an UPSI card is placed in JCL at execution time, the labels in the name fields of executed

instructions print on SYSLIST. When testing is complete, the program may be used to remove the added code. (Without UPSI card, code is transparent to user.)

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Manual, 25 pages

GB21-1035

CICS/3270 SIMULATOR (5798-AXC), CICS DYNAMIC MAP (5798-AXR), AND CICS PERFORMANCE ANALYZER (5798-AZN): 3 FDP'S NOTICE

This 5 page document describes the purpose and highlights of the CICS Dynamic Map. This FDP is written in Assembler.

Operating as a task in a variety of modes within a CICS/STANDARD partition, this program can selectively display a myriad of system tuning statistics. These include parameters describing the partition composition, fragmentation and its effects, storage utilization for task and system, dynamic task activity, and the effects of program residence on storage and system performance. Other features optionally available are time-initiation, logging, core dumping, and an output writer facility.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Availability Notice, 5 pages

SB21-1036

CICS/3270 SIMULATOR - FDP 5798-AXC DESCRIPTION/OPERATIONS

This 97 page document describes the capabilities of the FDP and the programs of the CICS/3270 Simulator. This FDP is written in Assembler.

Provides a simulated terminal facility for 3270 terminals in CICS. The input stream can be mapped using CICS basic mapping support and the output can be printed exactly as it would appear on the 3270 screen. A documentation transaction is included which when used with the output print program will document any 3270 "map" showing the screen layout and all fields which can potentially receive data.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 97 pages

GB21-1038

CUSTOMER INFORMATION FILE (CIF) USING IMS DB/DC FOR SYSTEM/370 - FDP 5798-AWZ NOTICE

This 6 page document describes the purpose and highlights of the Customer Information File (CIF) using IMS DB/DC for System/370 FDP, written in COBOL/Assembler.

The system is designed to provide a financial institution the ability to implement a customer information file under IMS. Written principally in ANS COBOL, this FDP should give the bank the flexibility of using 3270 Model 1 or Model 2 to maintain and inquire into a CIF, thus enabling it to group all the information about a customer and his accounts together. A set of programs is provided to standardize the bank's existing name and address files into a CIF. This system provides implementation of a CIF for the IMS user and a conversion path for the CICS CIF FDP user to convert to IMS.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Notice, 6 pages

SB21-1039

CUSTOMER INFORMATION FILE (CIF) USING IMS DB/DC FOR SYSTEM/370 - FDP 5798-AWZ DESCRIPTION/OPERATIONS

This 201 page document describes the capabilities of the FDP and the programs of the Customer Information File (CIF) using IMS DB/DC for System/370 FDP written in COBOL/Assembler.

The system is designed to provide a financial institution the ability to implement a customer information file under IMS. Written principally in ANS COBOL, this FDP should give the bank the flexibility of using 3270 Model 1 or Model 2 to maintain and inquire into a CIF, thus enabling it to group all the information about a customer and his accounts together. A set of programs is provided to standardize the bank's existing name and address files into a CIF. This system provides implementation of a CIF for the IMS user and a conversion path for the CICS CIF FDP user to convert to IMS.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 201 pages

LB21-1040

CUSTOMER INFORMATION FILE (CIF) USING IMS DB/DC FOR SYSTEM/370 - FDP 5798-AWZ SYSTEMS GUIDE

This 1009 page document describes the steps necessary to modify the Customer Information File (CIF) using IMS DB/DC for System/370.

The system is designed to provide a financial institution the ability to implement a customer information file under IMS. Written principally in ANS COBOL, this FDP should give the bank the flexibility of using 3270 Model 1 or Model 2 to maintain and inquire into a CIF, thus enabling it to group all the information about a customer and his accounts together. A set of programs is provided to standardize the bank's existing name and address files into a CIF. This system provides implementation of a CIF for the IMS user and a conversion path for the CICS CIF FDP user to convert to IMS.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Guide, 1009 pages

LB21-1041

CUSTOMER INFORMATION FILE (CIF) USING IMS DB/DC FOR SYSTEM/370 (5798-AWZ) FDP - TERMINAL OPERATOR'S GUIDE

This document describes the steps necessary to operate the terminal for the Customer Information File (CIF) using IMS DB/DC for System/370, written in COBOL/Assembler. The system is designed to provide a financial institution the ability to implement a customer information file under IMS. Written principally in ANS COBOL, this FDP should give the bank the flexibility of using 3270 Model 1 or Model 2 to maintain and inquire into a CIF, thus enabling it to group all the information about a customer and his accounts together. A set of programs is provided to standardize the bank's existing name and address files into a CIF. This system provides implementation of a CIF for the IMS user and a conversion path for the CICS CIF FDP user to convert to IMS.  
Terminal Operator's Guide, 517 pages

GB21-1044

CFO II - DL/I INTERFACE - FDP 5798-AXW - NOTICE

CFO II - DL/I Interface is a Field Developed Program which provides a DL/I redesign of the CFO II Policy Master file. The policy analysis and extract run has been replaced by a program that extracts active records from the DL/I file and reformats them for use by the existing CFO II daily cycle. The DL/I file replaces the CFO II tape file and eliminates the need to store and use duplicate copies of the CFO II file.

Programs are also provided to convert a CFO II Policy Master File to a DL/I file and to optionally recreate the sequential CFO II file to facilitate the interface with existing subsystems such as billing and commissions. Modifications have also been made to five CFO II programs which access the entire Policy Master File rather than the activity file.

The FDP provides a way for your customer to establish a DL/I base for the development of new applications such as on-line inquiry, data entry, alpha search and computer correspondence without having to abandon the existing daily cycle.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Availability Notice, 2 pages

SB21-1045

CFO II - DL/I INTERFACE - FDP 5798-AXW DESCRIPTION/OPERATIONS

This 248 page document describes the capabilities of the FDP and the programs of the CFO II - DL/I Interface. Written in OS for S/370 this Field Developed Program provides a DL/I redesign of the CFO II Policy Master File.

The policy analysis and extract run has been replaced by a program that extracts active records from the DL/I file and reformats them for use by the existing CFO II daily cycle. The DL/I file replace the CFO II tape file and eliminates the need to store and use duplicate copies of the CFO II file.

Programs are also provided to convert a CFO II Policy Master File to a DL/I file and to optionally recreate the sequential CFO II file to facilitate and interface with existing subsystems such as billing and commissions. Modifications have also been made to five CFO II programs which access the entire Policy Master File rather than the activity file.

The FDP provides a way for your customer to establish a DL/I base for the development of new applications such as on-line inquiry, data entry, alpha search and computer correspondence without having to abandon the existing daily cycle.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 248 pages

LB21-1061

SYSTEM/370 SUPPORT FOR THE ECG SIGNAL ACQUISITION SYSTEM FDP 5798-AXF - SYSTEMS GUIDE

This 30 page document describes the steps necessary to modify the System/370 Support for the ECG Signal Acquisition System. This FDP is written in Assembler.

Provides an interface between an IBM System/7 attached to the byte multiplexor channel of a System/370 and the IBM

Health Care Support/Electrogram Analysis Programs (5734-H11 and 5736-H15). This FDP, which operates under OS or DOS acquires Electrocardiogram data from the System/7 and formats the data for direct input to the analysis programs. The data is maintained on a reusable direct access queue to guard against data loss in case of system shutdown. This FDP is designed to operate with the ECG Signal Acquisition System for the IBM System/7 FDP (5798-AXG).

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Systems Guide, 30 pages.

patient data from the Bed Index.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 144 pages

## GB21-1062

SYSTEM/370 SUPPORT FOR THE ECG SIGNAL ACQUISITION SYSTEM  
FDP 5798-AXE, AXG - NOTICE

This 5 page document describes the purpose and highlights of the System/370 Support for the ECG Signal Acquisition System FDP written in Assembler. Provides an interface between an IBM System/7 attached to the byte multiplexor channel of a System/370 and the IBM Health Care Support/Electrogram Analysis Programs (5734-H11 and 5736-H15). This FDP, which operates under OS or DOS acquires Electrocardiogram data from the System/7 and formats the data for direct input to the analysis programs. The data is maintained on a reusable direct access queue to guard against data loss in case of system shutdown. This FDP is designed to operate with the ECG Signal Acquisition System for the IBM System/7 FDP (5798-AXG).

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Availability Notice, 5 pages

## SB21-1063

SYSTEM/370 SUPPORT FOR THE ECG SIGNAL ACQUISITION SYSTEM  
FDP'S 5798-AXF, 5798-AXG DESCRIPTION/OPERATIONS

This 61 page document describes the capabilities of the programs of the System/370 Support for the ECG Signal Acquisition System, written in Assembler. Provides an interface between an IBM System/7 attached to the byte multiplexor channel of a System/370 and the IBM Health Care Support/Electrogram Analysis Programs (5734-H11 and 5736-H15). This FDP, which operates under OS or DOS acquires Electrocardiogram data from the System/7 and formats the data for direct input to the analysis programs. The data is maintained on a reusable direct access queue to guard against data loss in case of system shutdown. This FDP is designed to operate with the ECG Signal Acquisition System for the IBM System/7 FDP (5798-AXG).

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 61 pages

## GB21-1065

HEALTH CARE SUPPORT/PHARMACY ORDER ENTRY & ADMINISTRATIVE  
SYSTEM - FDP 5798-AXO, NOTICE

This 6 page document describes the purpose and highlights of the Health Care Support/Pharmacy Order Entry & Administrative System FDP, written in ANS COBOL. This FDP consists of a set of batch and on-line ANS COBOL program modules to be used by the pharmacist for entering drug orders, for drug administration scheduling, for displaying and printing patient drug profiles, for printing of labels, for charging and crediting drugs to the patient accounts, and for maintaining a drug master file.

The FDP is designed to be suitable for both non-unit dose and individual prescription pharmacies. All entries can be made through the keyboard with a minimum number of screens.

Compatibility with SHAS and HCS/Accounting exists for charges and credits. The indexes from HCS/Admissions can be used to gather patient data from the Bed Index.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Flyer, 6 pages

## SB21-1066

HEALTH CARE SUPPORT/PHARMACY ORDER ENTRY & ADMINISTRATIVE  
SYSTEM - DESCRIPTION/OPERATIONS - FDP 5798-AZQ

This 144 page document describes the capabilities of the FDP and the programs of the Health Care Support/Pharmacy Order Entry & Administrative System, written in ANS COBOL. This FDP consists of a set of batch and on-line ANS COBOL program modules to be used by the pharmacist for entering drug orders, for drug administration scheduling, for displaying and printing patient drug profiles, for printing of labels, for charging and crediting drugs to the patient accounts, and for maintaining a drug master file.

The FDP is designed to be suitable for both non-unit dose and individual prescription pharmacies. All entries can be made through the keyboard with a minimum number of screens.

Compatibility with SHAS and HCS/Accounting exists for charges and credits. The indexes from HCS/Admissions can be used to gather

## LB21-1067

HEALTH CARE SUPPORT/PHARMACY ORDER ENTRY & ADMINISTRATIVE  
SYSTEM - SYSTEMS GUIDE - FDP 5798-AXQ

This 151 page document describes the steps necessary to modify the Health Care Support/Pharmacy Order Entry & Administrative System FDP, written in ANS COBOL. This FDP consists of a set of batch and on-line ANS COBOL program modules to be used by the pharmacist for entering drug orders, for drug administration scheduling, for displaying and printing patient drug profiles, for printing of labels, for charging and crediting drugs to the patient accounts, and for maintaining a drug master file.

The FDP is designed to be suitable for both non-unit dose and individual prescription pharmacies. All entries can be made through the keyboard with a minimum number of screens.

Compatibility with SHAS and HCS/Accounting exists for charges and credits. The indexes from HCS/Admissions can be used to gather patient data from the Bed Index.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Manual, 151 pages

## SB21-1075

CICS DYNAMIC MAP - FDP 5798-AXR  
DESCRIPTION/OPERATIONS

This 45 page document describes the capabilities of the FDP and the programs of the CICS Dynamic MAP. This FDP is written in Assembler.

Operating as a task in a variety of modes within a CICS/STANDARD partition, this program can selectively display a myriad of system tuning statistics. These include parameters describing the partition composition, fragmentation and its effects, storage utilization for task and system, dynamic task activity, and the effects of program residence on storage and system performance. Other features optionally available are time-initiation, logging, core dumping, and an output writer facility.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 45 pages

## GB21-1083

COLOR MATCHING (DYE SELECTION AND FORMULATION)  
FDP 5798-AXL, AXK, AXN, AXP - NOTICE

This 4 page document describes the purpose and highlights of the Color Matching (Dye Selection and Formulation) FDPs. These programs handle dye selection and formulation to match colored samples on textile materials in the laboratory. The program can examine all 3 or 4 dye combinations of dyes from a list of candidates to match a given shade and list the resulting formulas in cost and/or best match sequence. The latest color theory and experience will be employed where applicable. Several new correction and production add routines are included, along with a program to assist in multiple fiber blends.

The resultant FDP will offer operational and functional enhancements over the Type III Color Match Program.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are perspective users of the program and others who require information concerning it. Availability Notice, 4 pages

## SB21-1084

COLOR MATCHING (DYE SELECTION AND FORMULATION)  
FDP'S 5798-AXK, L, N, & P DESCRIPTION/OPERATIONS

This 153 page document describes the capabilities of the FDPs and the programs of the Color Matching (Dye Selection and Formulation) FDPs. These programs handle dye selection and formulation to match colored samples on textile materials in the laboratory. The program can examine all 3 or 4 dye combinations of dyes from a list of candidates in cost and/or best match sequence. The latest color theory and experience will be employed where applicable. Several new correction and production add routines are included, along with a program to assist in multiple fiber blends.

The resultant FDP will offer operational and functional enhancements over the Type III Color Match Program. Manual, 153 pages

## LB21-1085

COLOR MATCHING (DYE SELECTION AND FORMULATION)  
FDP 5798-AXL, AXK, AXN, AXP - SYSTEMS GUIDE

This 71 page document describes the steps necessary to modify the Color Matching (Dye Selection and Formulation) FDPs. These programs handle dye selection and formulation to match colored samples on textile materials in the laboratory. The program can examine all 3 or 4 dye combinations of dyes from a list of candidates to match a given shade and list the resulting formulas in cost and/or best match sequence. The latest color theory and experience

will be employed where applicable. Several new correction and production add routines are included, along with a program to assist in multiple fiber blends.

The resultant FDP will offer operational and functional enhancements over the Type III Color Match Program.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Systems Guide, 71 pages

## GB21-1092

LOW LEVEL CODING AND CONTINUITY CHECKING - FDP 5798-AYN  
This 2 page document describes the purpose and highlights of the Low Level Coding and Continuity Checking FDP, written in COBOL.

With the present emphasis on COPICS and Materials Requirements Planning, users who desire or require the flexible design capabilities of the Information Management System (IMS) have been faced with a problem: how to accomplish Low Coding and Continuity Checking of Bills of Materials, and still maintain the data base design flexibility of IMS?

The IMS Low Level Coding and Continuity Checking Subprogram provides an answer to this question:

- o Provides for the addition of Bills of Material to an IMS Data Base.
- o Creates and maintains low level codes.
- o Provides standard error-checking of previous packages (BOMP-CFMS).
- o Includes a transaction and error listing of product structure additions.
- o May be used as the basis for an expanded Bills of Material maintenance program.
- o Single level explosion program as part of the sample program.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Flyer, 2 pages

## GB21-1104

COBIMS - FDP 5798-AYK - AVAILABILITY NOTICE

This 8 page document describes the purpose and highlights of COBIMS. This FDP is written in COBOL.

PLIMS/COBOL, macro language extension of COBOL, is a programming aid designed to reduce programming and testing time in producing IMS batch and/or TP application programs. PLIMS/COBOL statements are expanded by a precompile step into a complete COBOL Source Program ready for compilation. Those PLIMS/COBOL Statements which involve data base activity are expanded into COBOL source code which is customized to the user's data structure as defined by the IMS PSB and by Segment Definitions. COBOL Statements can be intermixed with PLIMS/COBOL statements, thus combining the ease and simplicity of PLIMS with the power of COBOL.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Availability Notice, 8 pages

## SB21-1105

COBIMS - FDP 5798-AYK - DESCRIPTION/OPERATIONS

This 75 page document describes the capabilities of the FDP and the programs of COBIMS. This FDP is written in COBOL.

PLIMS/COBOL, macro language extension of COBOL, is a programming aid designed to reduce programming and testing time in producing IMS batch and/or TP application programs. PLIMS/COBOL statements are expanded by a precompile step into a complete COBOL Source Program ready for compilation. Those PLIMS/COBOL Statements which involve data base activity are expanded into COBOL source code which is customized to the user's data structure as defined by the IMS PSB and by Segment Definitions. COBOL Statements can be intermixed with PLIMS/COBOL statements, thus combining the ease and simplicity of PLIMS with the power of COBOL.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 75 pages

## LB21-1106

COBIMS - FDP 5798-AYK - SYSTEMS GUIDE

This 45 page document describes the steps necessary to modify the COBIMS FDP written in COBOL.

PLIMS/COBOL, macro language extension of COBOL, is a programming aid designed to reduce programming and testing time in producing IMS batch and/or TP application programs. PLIMS/COBOL statements are expanded by a precompile step into a complete COBOL Source Program ready for compilation. Those PLIMS/COBOL Statements which involve data base activity are expanded into COBOL source code which is customized to the user's data structure as defined by the IMS PSB and by Segment Definitions. COBOL Statements can be intermixed with PLIMS/COBOL statements, thus combining the ease and simplicity of PLIMS with the

power of COBOL.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Systems Guide, 45 pages

## GB21-1110

VM/370 CONTROL AND ACCOUNTING PROGRAMS - FDP 5798-AYP NOTICE

This 2 page document describes the purpose and highlights of the VM/370 Control and Accounting Programs. Written in Assembler, this FDP is a group of 8 programs intended to fulfill a number of requirements common to most VM/370 installations: Aids to facilitate accounting, directory maintenance, and DOS/OS-VM communications.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Availability Notice, 2 pages

## SB21-1111

VM/370 CONTROL AND ACCOUNTING PROGRAMS - FDP 5798-AYP DESCRIPTION/OPERATIONS

This 29 page document describes the capabilities of the FDP and the programs of the VM/370 Control and Accounting Programs. Written in Assembler, this FDP is a group of 8 programs intended to fulfill a number of requirements common to most VM/370 installations: Aids to facilitate accounting, directory maintenance, and DOS/OS-VM communications.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 29 pages

## GB21-1113

HEALTH CARE SUPPORT/HOSPITAL ORDER COMMUNICATIONS SYSTEM FDP 5798-AYG NOTICE

This 4 page document describes the purpose and highlights of the Health Care Support/Hospital Order Communications System. This FDP is written in ALC. A set of ANS COBOL and ALC CICS programs designed to allow the entry and communication of doctors orders, requisitions, and general messages through a "menu selection" process on the 3270. Transactions are created by selecting entries from a series of screens. The previous entries selected are displayed on each successive screen. Following visual verification by the operator, the transaction is communicated to selected 3270 printers. Entries may be made at nursing stations or service areas. The system creates a log from which charges associated with the transactions are passed to user accounting programs. The user may write additional subroutines to process data from the system log. This FDP is written to work in conjunction with the Health Care Support/Family and requires the Health Care Support/Admissions FDP (5798-ASZ), or equivalent.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Availability Notice, 4 pages

## SB21-1114

HEALTH CARE SUPPORT/HOSPITAL ORDER COMMUNICATIONS SYSTEM FDP - 5798-AYG DESCRIPTION/OPERATIONS

This 84 page document describes the capabilities of the FDP and programs of the Health Care Support/Hospital Order Communications System. This FDP is written in ALC. A set of ANS COBOL and ALC CICS programs designed to allow the entry and communication of doctors orders, requisitions, and general messages through a "menu selection" process on the 3270. Transactions are created by selecting entries from a series of screens. The previous entries selected are displayed on each successive screen. Following visual verification by the operator, the transaction is communicated to selected 3270 printers. Entries may be made at nursing stations or service areas. The system creates a log from which charges associated with the transactions are passed to user accounting programs. The user may write additional subroutines to process data from the system log. This FDP is written to work in conjunction with the Health Care Support/Family and requires the Health Care Support/Admissions FDP (5798-ASZ), or equivalent.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 84 pages

## LB21-1115

HEALTH CARE SUPPORT/HOSPITAL ORDER COMMUNICATIONS SYSTEM FDP 5798-AYG - SYSTEMS GUIDE

This 112 page document describes the steps necessary to modify the Health Care Support/Hospital Order Communications System FDP written in ALC. A set of ANS COBOL and ALC CICS programs designed to allow the entry and communication of doctors orders, requisitions, and general messages through a "menu selection" process on the 3270. Transactions are created by selecting entries from a series of screens. The

previous entries selected are displayed on each successive screen. Following visual verification by the operator, the transaction is communicated to selected 3270 printers. Entries may be made at nursing stations or service areas. The system creates a log from which charges associated with the transactions are passed to user accounting programs. The user may write additional subroutines to process data from the system log. This FDP is written to work in conjunction with the Health Care Support/Family and requires the Health Care Support/Admissions FDP (5798-ASZ), or equivalent.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Systems Guide, 112 pages

Flyer, 4 pages

GB21-1155

HEALTH CARE SUPPORT/PHARMACY INVENTORY & STOCK TRANSFER SYSTEM - NOTICE 5798-AZJ

This 6 page document describes the purpose and highlights of the Health Care Support/Pharmacy Inventory & Stock Transfer System FDP, written in ANS COBOL. This FDP consists of a set of batch and online (CICS) ANS COBOL program modules to be used by the pharmacist for receipt and adjustment to stock, transfer of stock, drug master record display and status and usage of drugs.

This FDP is designed to be suitable for both unit dose and nonunit dose pharmacies. All entries can be made through the keyboard with a minimum number of screens. The pharmacy inventory system is an extension to the pharmacy order entry and administration FDP #849. The formats of the files will be the same and the inventory system is dependent on the order entry and administration FDP to update the inventory for each order generated.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Flyer, 6 pages

GB21-1122

TSO COMMAND PROCESSOR - FDP 5798-AYF NOTICE

This 4 page document describes the purpose and highlights of the TSO Command Processor FDP, written in Assembler. Provides the print command for a TSO terminal user to list a data set on a 3284 or 3286 printer.

This Availability Notice contains complete ordering instructions for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Notice, 4 pages

SB21-1156

HEALTH CARE SUPPORT/PHARMACY INVENTORY & STOCK TRANSFER SYSTEM - DESCRIPTION/OPERATIONS FDP 5798-AZJ

This 70 page document describes the capabilities of the FDP and the programs of the Health Care Support/Pharmacy Inventory & Stock Transfer System, written in ANS COBOL. This FDP consists of a set of batch and online (CICS) ANS COBOL program modules to be used by the pharmacist for receipt and adjustment to stock, transfer of stock, drug master record display and status and usage of drugs.

This FDP is designed to be suitable for both unit dose and nonunit dose pharmacies. All entries can be made through the keyboard with a minimum number of screens. The pharmacy inventory system is an extension to the pharmacy order entry and administration FDP #849. The formats of the files will be the same and the inventory system is dependent on the order entry and administration FDP to update the inventory for each order generated.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 70 pages

GB21-1134

AUTOMATIC LINE SPEED SELECTION FOR IBM 3704/3705 FDP 5798-AYR, NOTICE

This 4 page document describes the purpose and highlights of Automatic Line Speed Selection for IBM 3704/3705. Written in Assembler OS this Automatic Line Speed selection on 3704/3705 FDP allows the 3704/3705 equipped with a Communication Scanner Type 1 or 2 running in Emulation Mode (360H-TX-033) to detect line speed and device type of various dial up terminals. A maximum of four different line speeds (110,134,5,150 and 300 baud) and three different start-stop line codes (9/7,10/8,11/8) can be accommodated.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Availability Notice, 4 pages

SB21-1157

HEALTH CARE SUPPORT/PHARMACY INVENTORY & STOCK TRANSFER SYSTEM - TERMINAL OPERATOR'S GUIDE FDP 5798-AZJ

This 37 page document describes the capabilities of the FDP and the programs of the Health Care Support/Pharmacy Inventory & Stock Transfer System FDP, written in ANS COBOL. This FDP consists of a set of batch and online (CICS) ANS COBOL program modules to be used by the pharmacist for receipt and adjustment to stock, transfer of stock, drug master record display and status and usage of drugs.

This FDP is designed to be suitable for both unit dose and nonunit dose pharmacies. All entries can be made through the keyboard with a minimum number of screens. The pharmacy inventory system is an extension to the pharmacy order entry and administration FDP #849. The formats of the files will be the same and the inventory system is dependent on the order entry and administration FDP to update the inventory for each order generated.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Manual, 37 pages

SB21-1135

AUTOMATIC LINE SPEED SELECTION FOR 3704/3705 FDP 5798-AYR DESCRIPTION/OPERATIONS

This 14 page document describes the capabilities of the FDP and the programs of the Automatic Line Speed selection on 3704/3705 which allows the 3704/3705 equipped with a Communication Scanner Type 1 or 2 running in Emulation Mode (360H-TX-033) to detect line speed and device type of various dial up terminals. A maximum of four different line speeds (110,134,5,150 and 300 baud) and three different start-stop line codes (9/7,10/8, 11/8) can be accommodated.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 14 pages

LB21-1136

AUTOMATIC LINE SPEED SELECTION FOR IBM 3704/3705 FDP 5798-AYR SYSTEMS GUIDE

This 16 page document describes the steps necessary to modify the Automatic Line Speed selection on 3704/3705 FDP. Written in Assembler OS this FDP allows the 3704/3705 equipped with a Communication Scanner Type 1 or 2 running in Emulation Mode (360H-TX-033) to detect line speed and device type of various dial up terminals. A maximum of four different line speeds (110,134,5,150 and 300 baud) and three different start-stop line codes (9/7,10/8,11/8) can be accommodated.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Manual, 16 pages

LB21-1158

HEALTH CARE SUPPORT/PHARMACY INVENTORY & STOCK TRANSFER SYSTEM FDP 5798-AZJ SYSTEMS GUIDE

This 65 page document describes the steps necessary to modify the Health Care Support/Pharmacy Inventory & Stock Transfer System FDP, written in ANS COBOL.

This FDP consists of a set of batch and online (CICS) ANS COBOL program modules to be used by the pharmacist for receipt and adjustment to stock, transfer of stock, drug master record display and status and usage of drugs.

This FDP is designed to be suitable for both unit dose and nonunit dose pharmacies. All entries can be made through the keyboard with a minimum number of screens. The pharmacy inventory system is an extension to the pharmacy order entry and administration FDP #849. The formats of the files will be the same and the inventory system is dependent on the order entry and administration FDP to update the inventory for each order generated.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Manual, 65 pages

GB21-1137

STATISTICS GENERATING PACKAGE - NOTICE FDP 5798-AYY

This 4 page document describes the purpose and highlights of the Statistics Generating Package FDP, written in PL/1.

The Statistics Generating Package is an information retrieval program supplemented with a variety of summarization techniques. It is used to access a data base of system performance and usage information collected by the System Management Facilities (SMF) of OS/MFT, OS/MVT, OS/VS1, OS/VS2 operating systems. The FDP is designed to provide information that is needed by installation management, system programmers, consultants and computer users to make decisions.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.

SB21-1181

CICS PERFORMANCE ANALYZER - FDP 5798-AZN DESCRIPTION/OPERATIONS

This 62 page document describes the capabilities of the

FDP and the programs of the CICS Performance Analyzer. The FDP is written in Assembler.

The program gathers statistics about user transactions run under control of CICS. The type of information gathered is CPU execution time, total transaction time, largest amount of core used, the total entries to a file control access method, and so on. The information is very useful for performance evaluation and system tuning.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 62 pages

## GB21-1195

UTILITY DATA REDUCTION SUBROUTINES FOR S/360-370  
FDP 5798-AZW, NOTICE

This 2 page document describes the purpose and highlights of the Utility Data Reduction Subroutines FDP written in DOS or OS for S/360-370. These are general purpose utilities designed to reduce the size of records stored in auxiliary storage devices. One subroutine condenses the record by deleting from it unnecessary or null characters, and a second subroutine reconstructs the original record. The deleted characters may vary from three or four in a field to thousands of types per record.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Availability Notice, 2 pages

## SB21-1196

UTILITY DATA REDUCTION SUBROUTINES FOR S/360-370  
FDP 5798-AZW DESCRIPTIONS/OPERATIONS

This 12 page document describes the capabilities of the FDP and the programs of the Utility Data Reduction Subroutines. These are general purpose utilities designed to reduce the size of records stored in auxiliary storage devices. One subroutine condenses the record by deleting from it unnecessary or null characters, and a second subroutine reconstructs the original record. The deleted characters may vary from three or four in a field to thousands of types per record.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 12 pages

## LB21-1197

UTILITY DATA REDUCTION SUBROUTINES FOR S/360-370  
FDP 5798-AZW, SYSTEMS GUIDE

This 7 page document describes the steps necessary to modify the Utility Data Reduction Subroutines FDP written in DOS or OS for S/360-370. These are general purpose utilities designed to reduce the size of records stored in auxiliary storage devices. One subroutine condenses the record by deleting from it unnecessary or null characters, and a second subroutine reconstructs the original record. The deleted characters may vary from three or four in a field to thousands of types per record.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Systems Guide, 7 pages

## GB21-1198

SYSTEMS/370 JUSTICE SYSTEM FDP 5798-AZX, NOTICE

This 4 page document describes the purpose and highlights of the S/370 Justice System FDP. Written in DOS/OS for S/370 this FDP is designed to provide the basic framework for automating the information gathering and reporting functions in justice agencies.

- A. It provides a means for maintaining and reporting the status of each person and case involved in the justice system processes.
- B. It can provide a data base for, and serve as a first step toward, a total justice information system encompass the courts, a law enforcement agencies and correctional institutions.
- C. A batch system which runs under DOS/VS or OS/VS, the system can be used as a "core program" for the user planning to add online programs to run in a terminal environment.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Availability Notice, 4 pages

## SB21-1199

SYSTEM/370 JUSTICE SYSTEM FDP 5798-AZX  
DESCRIPTION/OPERATIONS

This 415 page document describes the capabilities of the FDP and the programs of the System/370 Justice System. It is written in DOS/OS for S/370 and is designed to provide the basic framework for automating the information gathering and reporting functions in justice agencies.

- A. It provides a means for maintaining and reporting the status of each person and case involved in the justice

system processes.

- B. It can provide a data base for, and serve as a first step toward, a total justice information system encompass the courts, a law enforcement agencies and correctional institutions.
- C. A batch system which runs under DOS/VS or OS/VS, the system can be used as a "core program" for the user planning to add online programs to run in a terminal environment.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 415 pages

## LB21-1200

SYSTEM/370 JUSTICE SYSTEM FDP 5798-AZX, SYSTEMS GUIDE

This 110 page document describes the steps necessary to modify the System/370 Justice System FDP. It is designed to provide the basic framework for automating the information gathering and reporting functions in justice agencies.

- A. It provides a means for maintaining and reporting the status of each person and case involved in the justice system processes.
- B. It can provide a data base for, and serve as a first step toward, a total justice information system encompass the courts, a law enforcement agencies and correctional institutions.
- C. A batch system which runs under DOS/VS or OS/VS, the system can be used as a "core program" for the user planning to add online programs to run in a terminal environment.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Systems Guide, 110 pages

## GB21-1201

BASE CUSTOMER ACCOUNT STATUS AND SEGREGATION SYSTEM  
FDP 5798-BAX, DESCRIPTION/OPERATIONS

This 224 page document describes the capabilities of the FDP and the programs of the BASE Customer Account Status and Segregation System, written in RPG II, ANS COBOL. The BASE Customer Account Status and Segregation System is a set of programs that complements IBM BASE (Brokerage Accounting System Elements) (5736-F31), an IBM Program Product for handling brokerage back-office accounting functions. This system can provide a significant improvement over the manual methods commonly used for customer account processing by generating valued positions properly segregated on a customer account status report for the margin clerk. The BASE Customer Account Status and Segregation System can eliminate the need for the transfer posting tasks done in a brokerage firm, and may concurrently reduce the equipment and personnel required to handle such posting. In addition, automatic segregation, perhaps the most valuable feature of this FDP, can assist the user in adherence to the SEC Rule 15c3-3 and may thereby improve the broker's stock borrowed/stock loaned position. The system may be modified by the user to meet the varying needs of the margin department while providing a low cost entry into this important brokerage application area.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Manual, 224 pages

## SB21-1202

BASE CUSTOMER ACCOUNT STATUS AND SEGREGATION SYSTEM  
FDP - 5798-BAX - DESCRIPTION/OPERATIONS

This manual describes the capabilities of the system and the programs. Discussion of design assumptions and potential modification areas are included. Record and file layouts are described and primary processing procedures specified. This manual is both a system description and an installation and operations reference document. Manual

## LB21-1203

BASE CUSTOMER ACCOUNT STATUS AND SEGREGATION SYSTEM  
FDP 5798-BAX SYSTEMS GUIDE

This 74 page document describes the steps necessary to modify the BASE Customer Account Status and Segregation System FDP, written in RPG II, ANS COBOL. The BASE Customer Account Status and Segregation System is a set of programs that complements IBM BASE (Brokerage Accounting System Elements) (5736-F31), an IBM Program Product for handling brokerage back-office accounting functions. This system can provide a significant improvement over the manual methods commonly used for customer account processing by generating valued positions properly segregated on a customer account status report for the margin clerk. The BASE Customer Account Status and Segregation System can eliminate the need for the transfer posting tasks done in a brokerage firm, and may concurrently reduce the equipment and personnel required to handle such posting. In addition, automatic segregation, perhaps the most valuable feature of this FDP, can assist the user in adherence to the SEC Rule 15c3-3 and may thereby improve the broker's stock borrowed/stock loaned position. The system may be modified by the user to meet the varying needs of the margin department while providing a low cost

entry into this important brokerage application area.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Manual, 74 pages

information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Flyer, 4 pages

## GB21-1210

ON-LINE PREPARATION OF VIDEO/370 FORMATS  
FDP 5798-BAC, NOTICE

This 4 page documentation describes and highlights the purpose of the On-Line Preparation of VIDEO/370 Formats FDP. Written in RPG II, this FDP consists of three formats for VIDEO/370 and a set of Assembler language macros that expand into VIDEO/370 format definition statements. The FDP eliminates the use of coding sheets for preparation of formats by allowing creation of formats from a picture of a proposed screen layout. The FDP provides a fill-in-the-blanks approach so that no keywords have to be coded.

Three basic screen formats are used during the definition of a new document. The first describes the document name and exit routines. The second is used for entering information about the fields. The third type is used to describe how the fields should be extracted. The input that is keyed on the 3270 is, in most cases, a single character as opposed to a keyword if a coding sheet is used.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Availability Notice, 4 pages

## SB21-1211

ON-LINE PREPARATION OF VIDEO/370 FORMATS  
FDP 5798-BAC, DESCRIPTION/OPERATIONS

This 46 page document describes the capabilities of the FDP and the programs of On-Line Preparation of VIDEO/370 Formats FDP. Written in RPG II, this FDP consists of three formats for VIDEO/370 and a set of Assembler language macros that expand into VIDEO/370 format definition statements. The FDP eliminates the use of coding sheets for preparation of formats by allowing creation of formats from a picture of a proposed screen layout. The FDP provides a fill-in-the-blanks approach so that no keywords have to be coded.

Three basic screen formats are used during the definition of a new document. The first describes the document name and exit routines. The second is used for entering information about the fields. The third type is used to describe how the fields should be extracted. The input that is keyed on the 3270 is, in most cases, a single character as opposed to a keyword if a coding sheet is used.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 46 pages

## LB21-1212

ON-LINE PREPARATION OF VIDEO/370 FORMATS  
FDP 5798-BAC - SYSTEMS GUIDE

This 12 page document describes the steps necessary to modify the On-Line Preparation of VIDEO/370 Formats FDP. Written in RPG II, this FDP consists of three formats for VIDEO/370 and a set of Assembler language macros that expand into VIDEO/370 format definition statements. The FDP eliminates the use of coding sheets for preparation of formats by allowing creation of formats from a picture of a proposed screen layout. The FDP provides a fill-in-the-blanks approach so that no keywords have to be coded.

Three basic screen formats are used during the definition of a new document. The first describes the document name and exit routines. The second is used for entering information about the fields. The third type is used to describe how the fields should be extracted. The input that is keyed on the 3270 is, in most cases, a single character as opposed to a keyword if a coding sheet is used.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Systems Guide, 12 pages

## GB21-1225

BOMP/DBOMP EMULATION INTERFACE TO THE BILL PROCESSOR SYSTEMS  
IMS/360 BRIDGE - 5798-BAQ

This 4 page document describes the purpose and highlights of BOMP/DBOMP Emulation Interface to the Bill Processor Systems - IMS/360 Bridge. Written in ALC this FDP is an enhancement to the program product Bill Processor Systems - IMS/360 Bridge (5734-XX9). EMUBRIDGE allows BOMP or DBOMP programs to execute under control of the DOS Emulator under OS on a System/370 and access an IMS data base. The DOS programs require NO SOURCE CODE CONVERSION (to OS). DOS BOMP or DBOMP data bases are converted to an IMS data have via the Bill Processor Systems - IMS/360 Bridge unload and load programs.

EMUBRIDGE is a group of OS and DOS macro instructions. The OS macros are used to generate a control program which monitors the DOS Emulator and the IMS/360 Bridge Interface program. The DOS macros are used to generate replacement modules for the BOMP and DBOMP modules currently being used with the problem programs.

This Availability Notice contains complete ordering

## SB21-1226

BOMP/DBOMP EMULATION INTERFACE TO THE BILL PROCESSOR SYSTEM  
IMS/360 BRIDGE - FDP 5798-BAQ DESCRIPTION/OPERATIONS

This 72 page document describes the capabilities of the FDP and the programs of the BOMP/DBOMP Emulation Interface to the Bill Processor Systems - IMS/360 Bridge. Written in ALC this FDP is an enhancement to the program product Bill Processor Systems - IMS/360 Bridge (5734-XX9). EMUBRIDGE allows BOMP or DBOMP programs to execute under control of the DOS Emulator under OS on a System/370 and access an IMS data base. The DOS programs require NO SOURCE CODE CONVERSION (to OS). DOS BOMP or DBOMP data bases are converted to an IMS data have via the Bill Processor Systems - IMS/360 Bridge unload and load programs.

EMUBRIDGE is a group of OS and DOS macro instructions. The OS macros are used to generate a control program which monitors the DOS Emulator and the IMS/360 Bridge Interface program. The DOS macros are used to generate replacement modules for the BOMP and DBOMP modules currently being used with the problem programs.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 72 pages

## GB21-1249

DOS/VS POWER WORKSTATION SUPPORT FOR THE IBM 2922  
FDP 5798-BBY - NOTICE

This 4 page document describes the purpose and highlights of the DOS/VS POWER Workstation Support for the IBM 2922 FDP. Written in Model 20 Assembler this FDP provides a workstation program for the IBM 2922 Programmable Terminal communicating with DOS/VS Power RJE. The program in effect simulates the responses of the IBM 2780 thereby eliminating the need to modify DOS/VS Power RJE. The FDP supports the card reader, printer, card punch and console.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Flyer, 4 pages

## SB21-1250

DOS/VS POWER WORKSTATION SUPPORT FOR THE IBM 2922  
FDP 5798-BBY - DESCRIPTION/OPERATIONS

This 40 page document describes the capabilities of the FDP and the programs of the DOS/VS POWER Workstation Support for the IBM 2922 FDP. Written in Model 20 Assembler this FDP provides a workstation program for the IBM 2922 Programmable Terminal communicating with DOS/VS Power RJE. The program in effect simulates the responses of the IBM 2780 thereby eliminating the need to modify DOS/VS Power RJE. The FDP supports the card reader, printer, card punch and console.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 40 pages

## LB21-1251

DOS/VS POWER WORKSTATION SUPPORT FOR THE IBM 2922  
FDP 5798-BBY

This 28 page document describes the steps necessary to modify the DOS/VS POWER Workstation Support for the IBM 2922 FDP. Written in Model 20 Assembler this FDP provides a workstation program for the IBM 2922 Programmable Terminal communicating with DOS/VS Power RJE. The program in effect simulates the responses of the IBM 2780 thereby eliminating the need to modify DOS/VS Power RJE. The FDP supports the card reader, printer, card punch and console.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Manual, 28 pages

## GB21-1255

IMS DICTIONARY SYSTEM - FDP 5798-BBA - NOTICE

This 8 page document describes the purpose and highlights of IMS Dictionary system. Written in OS for S/360/370 this FDP is an IMS application program designed to help control the installation and growth of a data base, either DB/DC or DB and supported under IMS 2.3 and IMS/VS 1.0, and will soon be tested under 2.4. Input is from DBD or PSB libraries (permanent or temporary) in addition to direct user input from cards (batch/BMP) or 3270 terminal (MPP).

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Availability Notice, 8 pages



SB21-1256

IMS DICTIONARY SYSTEM - FDP 5798-BBA DESCRIPTION/OPERATIONS  
This 147 page document describes the capabilities of the FDP and the programs of IMS Dictionary System. Written in OS for S/360/370 this FDP is an IMS application program designed to help control the installation and growth of a data base, either DB/DC or DB and supported under IMS 2.3 and IMS/VS 1.0, and will soon be tested under 2.4. Input is from DBD or PSB libraries (permanent or temporary) in addition to direct user input from cards (batch/BMP) or 3270 terminal (MPP).

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 147 pages

LB21-1257

IMS DICTIONARY SYSTEM - FDP 5798-BBA - SYSTEMS GUIDE  
This 357 page document describes the steps necessary to modify the IMS Dictionary System FDP. Written in OS for S/360/370 the FDP is an IMS application program designed to help control the installation and growth of a data base, either DB/DC or DB and supported under IMS 2.3 and IMS/VS 1.0, and will soon be tested under 2.4. Input is from DBD or PSB libraries (permanent or temporary) in addition to direct user input from cards (batch/BMP) or 3270 terminal (MPP).

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Systems Guide, 357 pages

GB21-1273

TSO/VS2 PROGRAMMING CONTROL FACILITY - FDP 5798-BBJ - NOTICE  
This 5 page document describes the purpose and highlights of TSO/VS2 Programming Control Facility, and is written in VS/Assembler.

The purpose of the TSO/VS Programming Control Facility is to provide significant enhancements to OS/VS2 TSO in the following areas:

- a) File Access control and security
- b) TSO command subsetting and program execution control by user
- c) SMF accounting data optionally recorded for each command and subcommand
- d) ability to issue any command from subcommand mode and enter multiple commands on a line

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Availability Notice, 5 pages

LB21-1275

TSO/VS2 PROGRAMMING CONTROL FACILITY - FDP 5798-BBJ SYSTEMS GUIDE

This 23 page document describes the purpose and highlights of TSO/VS2 Programming Control Facility, and is written in VS/Assembler.

The purpose of the TSO/VS Programming Control Facility is to provide significant enhancements to OS/VS2 TSO in the following areas:

- a) File Access control and security
- b) TSO command subsetting and program execution control by user
- c) SMF accounting data optionally recorded for each command and subcommand
- d) ability to issue any command from subcommand mode and enter multiple commands on a line

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Manual, 23 pages

GB21-1291

3330 DEVICE SUPPORT EXTENDED-S/370 OS/MFT/MVT FDP 5798-BCE NOTICE

This 3 page document describes the purpose and highlights of the 3330 Device Support Extended-S/370 OS/MFT/MVT FDP written in S/370 Assembler. Provides OS Release 21 users with modifications and procedures required to extend current 3330 support to include the 3333/3330 Model II. The modifications allow the user to take advantage of the new 200-megabyte capacity. Programs which use standard OS access methods in a device independent manner can be extended to function properly while using the full capacity of the 3333/3330 Model II. Due to the technique used, some user restrictions are necessary. These are described in the Availability Notice and in the documentation. Planned availability is March 15, 1974.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Flyer, 3 pages

SB21-1292

3330 DEVICE SUPPORT EXTENDED S/370 OS/MFT/MVT FDP 5798-BCE DESCRIPTION/OPERATIONS

Provides OS Release 21 users with modifications and procedures required to extend current 3330 support to include the 3333/3330 Model II. The modifications allow the user to take advantage of the new 200-megabyte capacity. Programs which use standard OS access methods in a device independent manner can be extended to function properly while using the full capacity of the 3333/3330 Model II. Due to the technique used, some user restrictions are necessary. These are described in the Availability Notice and in the documentation. Planned availability is March 15, 1974.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 25 pages

GB21-1294

OS/VS2 RELEASE 1 STORAGE UTILIZATION DISPLAY PROGRAM FDP 5798-BCL NOTICE

This 4 page document describes the purpose and highlights of OS/VS2 Release 1 Storage Utilization Display Program. Written in PL/1 and Assembler this FDP is designed to produce real-time, dynamic display of real storage utilization and paging rate of an OS/VS2 Release 1 system. The display may be produced on an IBM 3270 locally attached, an IBM 2260 locally attached, or any device supported by BSAM.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it.  
Flyer, 4 pages

SB21-1295

OS/VS2 RELEASE 1 STORAGE UTILIZATION DISPLAY PROGRAM FDP 5798-BCL DESCRIPTION/OPERATIONS

This 24 page document describes the capabilities of the FDP the programs of the OS/VS2 Release 1 Storage Utilization Display Program. Written in PL/1 and Assembler this FDP is designed to produce real-time, dynamic display of real storage utilization and paging rate of an OS/VS2 Release 1 system. The display may be produced on an IBM 3270 locally attached, an IBM 2260 locally attached, or any device supported by BSAM.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Manual, 24 pages

LB21-1296

OS/VS2 RELEASE 1 STORAGE UTILIZATION DISPLAY PROGRAM FDP 5798-BCL - SYSTEMS GUIDE

This 18 page document describes the steps necessary to modify the OS/VS2 Release 1 Storage Utilization Display Program. Written in PL/1 and Assembler this FDP is designed to produce real-time, dynamic display of real storage utilization and paging rate of an OS/VS2 Release 1 system. The display may be produced on an IBM 3270 locally attached, an IBM 2260 locally attached, or any device supported by BSAM.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.  
Manual, 18 pages

SB21-1305

CUSTOMER INFORMATION FILE OS/DOS FDP'S 5798-AHX, 5798-AMR

This guide describes in detail the CIF transactions used by the terminal operator. It is intended for the 2260 terminal operator and the 3270 terminal operator operating in CICS 2260 compatibility mode.

The contents of this guide supplement the information found in the DOS Program Description/Operations Manual (SB21-0506) and the OS Program Description/Operations Manual (SB21-0705)  
Manual, 203 pages

GB21-1336

IMS DC MONITOR FDP 5798-BDF, NOTICE

This 8 page document describes the purpose and highlights of the IMS DC Monitor. It is written in Assembler. The IMS DC Monitor is a facility for collecting data on the internal activities of IMS 2.3/2.4 systems. The monitor analyzes and records these internal activities, including the processing of teleprocessing input-output, data language 1, application scheduling, application termination, message format services, and checkpoint restart. The monitor is loaded with the IMS control region and, upon operator command, traps information to an independent log file. A report program, also supplied can be processed off-line to produce a set of reports that summarize and categorize the collected activities at various levels of detail. This tool could be valuable in validating performance and investigating specific application design, data base design, and implementation choices during the testing, implementation, and operating phases of IMS DB/DC systems.

This Availability Notice contains complete ordering

information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning users of the program and others who require information concerning it. Availability notice, 8 pages

SB21-1337

IMS DC MONITOR - FDP 5798-BDP, DESCRIPTION/OPERATIONS  
This 91 page document describes the capabilities of the FDP and the programs of the IMS DC Monitor. It is written in Assembler.

The IMS DC Monitor is a facility for collecting data on the internal activities of IMS 2.3/2.4 DB/DC systems. The monitor analyzes and records these internal activities, including the application scheduling, application termination, message format services, and checkpoint restart. The monitor is loaded with the IMS control region and upon operator command, traps information to an independent log file. A report program, also supplied, can be processed offline to produce a set of reports that summarize and categorize the collected activities at various levels of detail. This tool could be valuable in validating performance and investigating specific application design, data base design, and implementation choices during the testing, implementation, and operating phases of IMS DB/DC systems. This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Description/Operations, 91 pages

LB21-1338

IMS DC MONITOR-FDP 5798-BDP SYSTEMS GUIDE  
This 56 page document describes the steps necessary to modify the IMS DC Monitor. It is written in Assembler. The IMS DC Monitor is a facility for collecting data on the internal activities of IMS 2.3/2.4 DB/DC systems. The monitor analyzes and records these internal activities, including the processing of teleprocessing input-output, data language 1, application scheduling, application termination, message format services, and checkpoint restart. The monitor is loaded with the IMS control region and, upon operator command, traps information to an independent log file. A report program, also supplied, can be processed off-line to produce a set of reports that summarize and categorize the collected activities at various levels of detail. This tool could be valuable in validating performance and investigating specific application design, data base design, and implementation choices during the testing, implementation, and operating phases of IMS DB/DC systems.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Systems guide, 56 pages

GB21-1342

3890 DOS/VS APPLICATION/INSTALLATION SUPPORT (5798-BDC) FDP AVAILABILITY NOTICE

This 4 page document, written in Assembler, describes the purpose and highlights of 3890 DOS/VS Application/Installation Support.

This FDP utilizes the standard user interfaces available to the DOS/VS user and provides him with the following capabilities:

- o Sort control instructions with an editor facility
- o A 3270 Jam Display Routine
- o A storage print facility

These application functions will enable the user to increase his personnel productivity and facilitate 3890 program testing and analysis.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Availability Notice, 4 pages

SB21-1343

3890 DOS/VS APPLICATION/INSTALLATION SUPPORT - FDP 5798-BDC, DESCRIPTION/OPERATIONS

This 68 page document, written in Assembler, describes the capabilities of the FDP and the programs of the 3890 DOS/VS Application/Installation Support.

This FDP utilizes the standard user interfaces available to the DOS/VS user and provides him with the following capabilities:

- o Sort control instructions with an editor facility
- o A 3270 Jam Display Routine
- o A storage print facility

These application functions will enable the user to increase his personnel productivity and facilitate 3890 program testing and analysis.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 68 pages

GB21-1361

DOS/VS SORT FOR 1400 FILES FDP 5798-BDH, NOTICE

This 4 page document, written in Assembler, describes the purpose and highlights of DOS/VS Sort for 1400 Files.

This Field Developed Program operates with the DOS/VS Sort programs (5746-SM1) intended to reduce sort (5743-SM1) times within most 1400 emulator installations currently using Sort 5 or 6 under 1400 emulation.

This program provides most of the functions contained in the 1400 Sort programs through an assembler macro which will generate a program interface to the DOS Sort programs. The user may continue to use his 1400/1311 sort control cards and his 1400 files.

The input and output files format is independently specified so that conversion from one format to another is also possible.

The supported file formats include CS or spanned tape, emulator format disk (2319, 3330, 3340) or sequential 370 disk and tape.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Availability Notice, 4 pages

SB21-1362

DOS/VS SORT FOR 1400 FILES FDP 5798-BDH, DESCRIPTION/OPERATIONS

This 25 page document, written in Assembler, describes the capabilities of the FDP and the programs of the DOS/VS Sort for 1400 Files.

This Field Developed Program operates with the DOS/VS Sort programs (5746-SM1) intended to reduce sort (5743-SM1) times within most 1400 emulator installations currently using Sort 5 or 6 under 1400 emulation.

This program provides most of the functions contained in the 1400 Sort programs through an assembler macro which will generate a program interface to the DOS Sort programs. The user may continue to use his 1400/1311 sort control cards and his 1400 files.

The input and output file format is independently specified to that conversion from one format to another is also possible.

The supported file formats include CS or spanned tape, emulator format disk (2319, 330, 3340,) or sequential 370 disk and tape.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 25 pages

LB21-1363

DOS/VS SORT FOR 1400 FILES FDP 5798-BDH SYSTEMS GUIDE

This 25 page document, written in Assembler, describes the steps necessary to modify the DOS/VS Sort for 1400 Files.

This Field Developed Program operates with the DOS/VS Sort programs (5746-SM1) intended to reduce sort (5743-SM1) times within most 1400 emulator installations currently using Sort 5 or 6 under 1400 emulation. This program provides most of the functions contained in the 1400 Sort programs through an assembler macro which will generate a program interface to the DOS Sort programs. The user may continue to use his 1400/1311 sort control cards and his 1400 files.

The input and output file format is independently specified so that conversion from one format to another is also possible. The supported file formats include CS or spanned tape, emulator format disk (2319, 3330, 3340) or sequential 370 disk and tape. This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance.

Systems guide, 25 pages

GB21-1367

INTERACTIVE TRAINING SYSTEM/TCAM INTERFACE (5798-BDP) FDP 5798-BDP, NOTICE

This 4 page document, written in Assembler, describes the purpose and highlights of Interactive Training System/TCAM Interface.

This Field Developed Program provides an interface between TCAM and the Program Product, Interactive Training System (5734-XXC), thereby expanding the number of ways an ITS user can interface to OS/VS. As announced, ITS is supplied with two interfaces, one to IMS/DC (program product 5734-XX6) and the other to CICS (Program Product 5740-XX1). The interface program also provides four user exits to allow the user to adapt this FDP to his unique requirements.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Availability Notice, 4 pages

SB21-1368

INTERACTIVE TRAINING SYSTEM/TCAM INTERFACE FDP 5798-BDP DESCRIPTION/OPERATIONS

This 28 page document, written in Assembler, describes the capabilities of the FDP and the programs of the Interactive Training System/TCAM Interface.

This Field Developed Program provides an interface

between TCAM and the Program Product, Interactive Training System (5734-XXC), thereby expanding the number of ways an ITS user can interface to OS/VS. As announced, ITS is supplied with two interfaces, one to IMS/DC (program product 5734-XX6) and the other to CICS (Program Product 5740-XX1). The interface program also provides four user exits to allow the user to adapt this FDP to his unique requirements. This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 28 pages

## LB21-1369

INTERACTIVE TRAINING SYSTEM/TCAM INTERFACE FDP 5798-BDP SYSTEMS GUIDE

This 12 page document, written in Assembler, describes the steps necessary to modify the Interactive Training System/TCAM Interface.

This Field Developed Program provides an interface between TCAM and the Program Product, Interactive Training System (5734-XXC), thereby expanding the number of ways an ITS user can interface to OS/VS. As announced, ITS is supplied with two interfaces, one to IMS/DC (program product 5734-XX6) and the other to CICS (program product 5740-XX1). The interface program also provides four user exits to allow the user to adapt this FDP to his unique requirements.

This systems guide provides the Systems Analyst with the necessary information on the design, logic and coding of the system to enable him to make modifications, diagnose program errors and perform program maintenance. Systems guide, 12 pages

## GB21-1373

CICS SOURCE PROGRAM MAINTENANCE ON-LINE - FDP 5798-BDT, NOTICE

This 4 page document, written in ALC, describes the purpose and highlights of CICS Source Program Maintenance On-Line.

Designed to provide the capability of storing source programs on disk, retrieving them and modifying them in conversational mode at a terminal and creating job streams from the terminal to be used to compile and test the programs. Extends the power of a CICS on-line system to programmers and systems programmers via a 3270.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Flyer, 4 pages

## SB21-1374

CICS SOURCE PROGRAM MAINTENANCE ON-LINE FDP 5798-BDT DESCRIPTION/OPERATIONS

This 112 page document, written in ALC, describes the capabilities of the FDP and the programs of the CICS Source Program Maintenance On-Line.

Designed to provide capability of storing source programs on disk, retrieving them and modifying them in conversational mode at a terminal and creating job streams from the terminal to be used to compile and test the programs. Extends the power of a CICS on-line system to programmers and systems programmers via a 3270.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 112 pages

## GB21-1376

CMS SORT FOR VM/370 FDP 5798-BDW, NOTICE

This 4 page document describes the purpose and highlights of CMS Sort for VM/370.

This FDP provides several sort programs and subroutines which run under the CMS component of VM/370. They may be invoked from a COBOL, PL/I, FORTRAN, or BAL program, or as a CMS command. Compared with the SORT component of CMS, these programs offer a compatible replacement for the CMS sort command with improved function and performance.

This Availability Notice contains complete ordering information for the Field Developed Program and all its related documentation, for management and data processing personnel who are prospective users of the program and others who require information concerning it. Availability Notice, 4 pages

## SB21-1377

CMS SORT FOR VM/370 FDP 5798-BDW DESCRIPTION/OPERATIONS  
This 28 page document describes the capabilities of the FDP and the program of the CMS Sort for VM/370. It is written in Assembler.

This FDP provides several sort programs and subroutines which run under the CMS component of VM/370. They may be invoked from a COBOL, PL/I, FORTRAN, or BAL program, or as a CMS command. Compared with the SORT component of CMS, these programs offer a compatible replacement for the CMS sort command with improved function and performance.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program. Manual, 28 pages

## LB21-1378

CMS SORT FOR VM/370 FDP 5798-BDW SYSTEMS GUIDE

This 20 page document, written in Assembler, describes the steps necessary to modify the CMS Sort for VM/370.

- o Changes to VM/370 publications.
- o Modules added, deleted, or modified for the current release and program level change.
- o Ordering and distribution procedures for the current release and program level change.
- o A list of VM/370 restrictions.

UNDER CMS PROG. NO. 5748-XX1 iDi 5748-XX1  
BASIC\*LANGUAGE+--\*S/370\*DOS/VS/OS/VS/VM/370 LANGUAGE+--  
\*S/370\*DOS/VS/OS/VS/VM/370--\*BASIC VSBASIC  
B\*IS\*FOR\*BASIC INTRODUCTION\*TO iCi Manual iGt  
//23//5748-XX1 iHt

This book is an elementary text describing a subset of the VS BASIC language as it is used under CMS. It is intended for readers who are unfamiliar with BASIC, with programming, and with computers. Readers with technical backgrounds, and readers who are already familiar with BASIC, should read the VS BASIC Language Reference Manual, Order No. GC28-8303, which contains a full description of the language, and the VS BASIC CMS Terminal User's Guide, Order No. SC28-8306, which contains a more detailed description of how to use VS BASIC under CMS.

The technical information contained in this book is summarized in a detachable reference guide appended to the Systems Guide, 20 pages

## GB21-9915

TERMTEXT FORMAT - IUP 5796-PBR, GENERAL INFORMATION

This publication introduces TERMTEXT/Format a Text Processing/Composition program. TERMTEXT/Format provides Comprehensive, full page makeup and when coupled with the power and versatility of the Advanced Text Management System (ATMS), facilities text entry and correction through typewriter-like terminals.

With input through terminals and output through a line printer or phototypesetting device, ATMS and TERMTEXT/Format provide an integrated in-house publishing system.

This publication contains introductory and planning information. It is written for executives who must determine if TERMTEXT/Format can be applied to their operations, for computer specialists who must determine requirements for a TERMTEXT/Format installation, and for those who will use the system after it is installed. Manual, 28 pages

## GB21-9922

STATISTICS GENERATING REPORT BROCHURE - FDP 5798-AYY

The Statistics Gathering Package, SGP, is an information retrieval program supplemented with a variety of summarization techniques. It is used to access a data base of performance and usage information collected by the System Management Facilities (SMF) of OS or VS operating systems. SGP provides information that is needed by installation management, system programmers, consultants and computer users to make decisions.

This report brochure contains examples of reports generated by the program. Report Brochure, 24 pages

## GB21-9936

STUDENT RESPONSE ANALYSIS PROCESSOR (STRAP) OHIO STATE UNIVERSITY COLUMBUS, OHIO - REPORT BROCHURE IUP # 5796-ACX

This document contains examples of reports that may be created by the STRAP (Student Response Analysis Processor) Installed User Program.

It is intended for persons who wish to enhance their knowledge of the program capabilities. Manual, 44 pages

## GB21-9937

IBM WAREHOUSE SIMULATOR SYSTEM/360/370: IUP 5796-PBK REPORT BROCHURE

This document describes the IBM Warehouse Simulator (Installed User Program - 5796-PBK) that was used to design the Automated Storage and Retrieval System at IBM Endicott, New York. The presentation contains nine pages of "Bullet" highlights, an explanation of each page of highlights, and a sample program output. Manual, 40 pages

## GB21-9945

DATA EDITING AND FORMATTING AIDS FOR S/360/370 REFERENCE CARD - FDP NUMBER 5798-ARS

This Reference card contains a grouping of 36 assembler macros providing 31 unique functions related to data and text editing. Reference card, 4 cards

## GB21-9947

S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS)MARKETING MATERIALS FOLDER - IUP NUMBER 5796-ABF

YARDS is an alumni fund raising system with solicitation and donation history files. It has a command language for non data processing people to manipulate the files for solicitation purposes by a wide range of fund raising organizations. It uses OS/360 ANS COBOL Version 2 and runs under MFT or MVT in an 80K region or partition using ISAM. In addition to increased solicitations, alumni relations are

improved. YARDS permits a user to spend his time planning "how to approach" rather than "whom to approach". This folder is to be left with prospects upon completion of a sales presentation.  
Folder, 9 x 11-1/2 inches, and manual, 11 pages

GB21-9949

IBM CUSTOMER INFORMATION FDP/IUP REFERENCE SUMMARY  
This informative booklet is intended for customer use and reflects the most recent inventory of available FDP's and IUP's. It contains program numbers, prices, and order numbers of customer-available documents supporting those programs.  
Booklet, 3 5/8 x 8 1/2 inches, 26 pages

GB21-9981

VEHICLE MAINTENANCE AND COST ANALYSIS SYSTEM - MARKETING GUIDE - PROGRAM NUMBER 5798-AAG  
This manual contains a description of the program and explanations and copies of reports it generates.  
Marketing Guide, Customer Oriented Material, 26 pages

GB21-9985

TIME SHARING OPTION ON-LINE COBOL SYMBOLIC DEBUG REQUESTS REFERENCE CARD FOR FDP 5798-AEZ  
This pocket reference card identifies request handling for use by the person running the system.  
Reference Card, 1 page, 3-1/4 x 7-1/2

GB21-9986

SMF SELECTABLE ANALYZER AND ACCOUNTING FOR DP OPERATIONS REPORT BROCHURE, FDP 5798-AAR  
This manual contains a program description as well as explanations and examples of reports.  
Manual, 16 pages

LCB6-3772

IBM SYSTEM/360 OS ASSEMBLER H - PROGRAM NUMBER 5734-AS1  
The IBM System/360 Operating System Assembler H 5734-AS1 is an assembler language processor that extends the basic assembler language and the macro and conditional-assembly language. It is designed to perform high-speed assemblies on IBM System/360, Models 40 and larger, that have at least 256K bytes of main storage.  
Microfiche, 84 cards

LCB8-6757

SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE PROGRAM NUMBER 5736-SM1  
Contains Type I OS Program Listings and DOS/OS PTF listing.  
Microfiche, 64 cards

GCB8-6796

IBM 2947-4 CHECK COLLECTION CONTROLLER (RPO #888264) SEQUENTIAL ACCESS METHOD (CSAM) MAIN MODULE-DOS MICROFICHE LISTING, PROG. NO. 5799-WAF  
Assembly Program Listing for the Main Module of Program 5799-WAF. Data Management and I/O Routines for the 2947-4.  
Microfiche

GCB8-6797

IBM 2947-4 CHECK COLLECTION CONTROLLER (RPO #888264) SEQUENTIAL ACCESS METHOD (CSAM) ERR MODULE-DOS MICROFICHE LISTING - PROGRAM NUMBER 5799-WAF  
Assembly Program Listing for the Error Recovery Routine/Procedures Module of Program 5799-WAF.  
Microfiche

GCB8-6798

IBM 2947-4 CHECK COLLECTION CONTROLLER (RPO #888264) SEQUENTIAL ACCESS METHOD (CSAM) MAIN MODULE-OS MICROFICHE LISTING - PROGRAM NUMBER 5799-WAG  
Assembly Program Listing for the Main Module of Program 5799-WAG. Data Management and I/O Routines for the 2947-4.  
Microfiche

GCB8-6799

IBM 2947-4 CHECK COLLECTION CONTROLLER (RPO #888264) SEQUENTIAL ACCESS METHOD (CSAM) ERR MODULE-OS MICROFICHE LISTING - PROGRAM NUMBER 5799-WAG  
Assembly Program Listing for the Error Recovery Routine/Procedures Module of Program 5799-WAG.  
Microfiche

SC09-0007

VANDL-1 PRPO DESCRIPTION AND OPERATION MANUAL (VANCOUVER DATA LANGUAGE ONE) - PROGRAM NUMBER 5799-AEY  
This manual provides a general introduction to VANDL-1 which consists of processing modules designed to facilitate the implementation of small to medium data bases under DOS.  
DP Manual, 228 pages

GC19-0001

IBM SYSTEM/360 WORLD TRADE INSTALLATION MANUAL-PHYSICAL PLANNING  
Contains information necessary for planning the physical installation of the IBM System/360 in World Trade countries. It includes floor planning information as well as electrical, environmental, and structural requirements. Detailed cable charts are provided. This manual replaces and obsoletes Order No. GC19-0001-05.  
Manual, 150 pages

GC19-0004

IBM SYSTEM/370 INSTALLATION MANUAL -- PHYSICAL PLANNING  
Contains information necessary for planning the physical installation of the IBM System/370 in World Trade countries. It includes floor planning information, as well as electrical, environmental, and structural requirements. Detailed cable charts are provided.  
Manual, 400 pages

GC20-0001

VIRTUAL STORAGE SUPPLEMENT (TO IBM SYSTEM/360 AND SYSTEM/370 BIBLIOGRAPHY)  
This supplement lists and describes System/370 SCP publications, that is, those supporting OS/VS1, OS/VS2, DOS/VS, and VM/370. Included are:  
Titles  
Order numbers  
Graphic library charts for each SCP  
Abstracts  
Editions and TNLS applying to each SCP release.  
For publications on the related hardware, licensed programs, and other supplementary information, refer to the associated bibliography (order number GA22-6822.)  
Bibliography, 120 pages

GC20-1618

NUMBER SYSTEMS - STUDENT TEXT  
This IBM student text on number systems presents a brief review of the principles of positional notation, as applied to the binary and hexadecimal systems of notation. The publication covers the operations of binary and hexadecimal arithmetic, decimal-binary - hexadecimal base conversion, and the principles of base and base-minus-one complementation.  
Student Text, 32 pages

GC20-1619

CATALOG OF PROGRAMS FOR IBM SYSTEM/360 MODELS 25 AND ABOVE  
This Catalog contains a complete listing of all programs for the IBM System/360 available from the Program Information Department, 40 Saw Mill River Road, Hawthorne, New York 10532.  
Instructions for ordering programs are contained in the section of the Introduction entitled, "Completion of the IBM Program Order Form".  
For information on ordering Catalog see Branch Office Manual Marketing Activity and Program Information section, Ordering Programs from PID subsection  
Systems Reference Library Manual, 288 pages

SC20-1637

A GUIDE TO PL/I FOR FORTRAN USERS  
This manual is an introductory guide to PL/I written especially for those who have a working knowledge of FORTRAN II or IV. No particular machine implementation of FORTRAN or PL/I has been assumed. Part 1 gives a broad survey of PL/I. A sample program illustrating some of the principle features of the language is explained step by step.  
Part 2 gives sufficient detail for the user to be able to write a straightforward program for himself. It is not a rigorous exposition. Examples have been used to clarify the text. The terminology used is intended to be that which is familiar to a FORTRAN user.  
Part 3 describes concepts not familiar to FORTRAN users, although some of them are familiar to those who know COBOL or ALGOL. Where references to COBOL or ALGOL will help readers who know these languages, the reference is made, but the explanation is also given in full for those who do not.  
This guide does not attempt to cover all the features of the language. Many facilities have not been mentioned at all, and some of the statements and features have not been explained in full detail.  
Student Text, 38 pages

SC20-1646

A PROGRAMMER'S INTRODUCTION TO IBM SYSTEM/360 ASSEMBLER LANGUAGE  
This student text is an introduction to System/360 Assembler Language coding. It provides many examples of short programs shown in assembled form. Some elementary programming techniques and the specific instructions illustrated in the programs are discussed in simple, relatively nontechnical terms. Much of the text is based on information in IBM SYSTEM/360 PRINCIPLES OF OPERATION (GA22-6821). This includes a brief review of relevant System/360 concepts and descriptions of selected assembler language instructions for arithmetic, logical, and branching operations. Standard (fixed-point), decimal, and floating-point arithmetic are discussed. The book also includes

an elementary introduction to assembler language and the assembler program, and chapter on base register addressing and on program linkages and relocation. The coding of many other common programming techniques, such as the use of branches, loops, and counters, is shown. The use of macro instructions is demonstrated, but not covered in detail. Program flowcharting and input/output operations are beyond the scope of the book.

The publication is a sampler rather than a comprehensive textbook. It is intended for supplementary reading for the student in a regular course of study on System/360 assembler language coding, and for the novice programmer. In general, the reader will find that the program examples are quite simple at the beginning of each chapter, or major subject division, and become progressively more complex. If the going seems difficult, it is suggested that he simply skip to the next subject and come back later.

The student should have access to two IBM System/360 System Reference Library (SRL) manuals for reference purposes: the PRINCIPLES OF OPERATION and the assembler specification manual for one of the System/360 operating systems. (All publications and their form numbers are listed at the end of the Preface.) He should also be familiar with fundamental concepts of data processing and the basic operating principles of System/360. Two IBM programmed instruction (P.I.) courses, or their equivalent, are prerequisite to a full understanding of this student text: COMPUTING SYSTEM FUNDAMENTALS and INTRODUCTION TO SYSTEM/360. The student who is not enrolled in a comprehensive programming course will find the P.I. book FUNDAMENTALS OF PROGRAMMING a valuable guide to problem analysis and program flowcharting. Student Text, 160 pages

GC20-1649

INTRODUCTION TO IBM SYSTEM/360 DIRECT ACCESS STORAGE DEVICES AND ORGANIZATION METHODS

This text discusses the physical characteristics and capacities of the following Direct Access Storage Devices available for System/360 Models 25, 30, 44, 50, 65, 67, 75, and 85:

- 2301 Drum Storage
- 2302 Disk Storage
- 2303 Drum Storage
- 2311 Disk Storage Drive
- 2314 Direct Access Storage Facility
- 2321 Data Cell Drive

The file organization methods and access methods provided for these devices by the IBM System/360 Operating System, the IBM System/360 Disk Operating System and the IBM System/360 Basic Operating System are also discussed. The uses of direct access storage, basic terminology, and the establishment of controls for a direct access system are other topics addressed by this text. Most of the chapters end with student exercises, answers to which may be found at the end of the manual.

No attempt at completeness is made. Refer to the publications listed in the Bibliography for additional details. Student Text, 120 pages

SC20-1651

A GUIDE TO PL/I FOR COMMERCIAL PROGRAMMERS COURSE CODE P3668

PL/I is a multipurpose, high-level programming language that enables the programming not only of commercial and scientific applications but also of real-time and systems applications. It also permits a programmer to use the full power of his computer in an efficient manner and to program applications in a relatively machine-independent fashion.

This publication presents those features of PL/I that apply to commercial data processing. It does not restrict itself to a particular aspect of commercial data processing but attempts to discuss all features of PL/I that may be used in the full spectrum of commercial applications. Student Text, 70 pages

GC20-1663

OS DEVELOPMENT SUPPORT LIBRARIES

The purpose of this document is to illustrate how job control statements, cataloged procedures, and OS utilities can be used to create, use, and maintain a machine-readable program development support library system on direct access storage. The examples in the Text are based on OS/MVT Release 21.6 and OS/VS2 Release 1. Manual

GC20-1667

INTRODUCTION TO IBM SYSTEM/360 ARCHITECTURE

This text is intended to introduce the student to the characteristics of System/360. It is expected that the student has some knowledge of computing systems. Student Text, 32 pages

GC20-1668

DATA COMMUNICATIONS PRIMER

This manual is intended for the user of data processing equipment who has a need for data communications services. It introduces the reader to the world of data communications and enables him to approach the common carriers for competent, detailed, up-to-date information on facilities, specifications and tariffs to satisfy his needs.

Student Text

GC20-1684

INTRODUCTION TO IBM DATA PROCESSING SYSTEMS

This manual presents concepts and principals essential to a basic knowledge of computers. It is designed for use in training programs that serve as prerequisites for a detailed study of an IBM system. Covered in general terms are topics such as Data Representation, Storage Devices, CPW Functions, I/O Devices, Stored Program Principles, Programming Systems, Operating Systems, Conversion, and Procedural Controls. Reference to specific Systems is made to illustrate general principles. Manual, 112 pages

GC20-1685

SYSTEM/360 DISK OPERATING SYSTEM USER'S GUIDE: CONTROL STATEMENT TECHNIQUES

This publication provides guidance in the use of control statements as related to compilations, linkage editing, utilities, sorts, and user programs. It presents tested examples with supporting explanations as an aid to understanding the input stream requirements for processing in the System/360 Disk Operating System environment. The control statements discussed are job control statements, linkage editor control statements, and operator command.

A list of related publications appears in the Preface. Systems Techniques Manual, 80 pages

GC20-1686

OCR INPUT PREPARATION GUIDE FOR THE IBM 1287/1288 OPTICAL CHARACTER READERS

This manual is a guide to achieving acceptable input quality for IBM's 1287 and 1288. The topics stressed include sample document designs from several application areas, human factors considerations, document design specifications and procedures, a discussion of important considerations for each type of OCR input device, and a description of some OCR support services available to IBM customers. DP Techniques Manual, 86 pages

GC20-1688

IBM 2260 DISPLAY STATION OPERATOR MANUAL

The IBM 2260 Display Station provides visual access to information stored in an IBM System/360. This manual familiarizes the operator with the function of each key on the keyboard. While the keyboard is similar to the familiar typewriter keyboard, the operator will find that seeing the keyed characters appear instantly on a TV-like screen will feel different from typing on paper.

The 2260 enters data into the System/360 through the 2848 Display Control. An IBM 1053 Printer can be attached to the 2848 to provide printed copy of the characters displayed on the screen.

The functions described refer to Models 1 and 2 of the 2260 Display Station; Models 1,2,3,21 and 22 of the 2848 Display Control; and Model 4 of the 1053 Printer. Systems Reference Library Manual, 24 pages

GC20-1699

DATA PROCESSING GLOSSARY

This glossary contains over 2,000 definitions of terms in the data processing field. It contains definitions from:

1. The American National Standard Vocabulary for Information Processing, published by the American National Standards Institute, Inc. (ANSI).
2. The proposed American National Standard Vocabulary.
3. The IBM Data Communications Glossary (GC20-1666).
4. The IBM Glossary of Information Processing. Manual, 136 pages

GC20-1706

COURSEWRITER III (VERSION 2) STUDENT TEXT, PROG. NO. 360A-UX-01X

The intent of this publication is to get a new author working on his material as soon as possible. Course material so prepared may not be the ultimate in Coursewriter III Language usage, but it will be available for student use in the shortest possible time.

This student text guides the new author of course materials through the language by a step-by-step presentation. The text is not all-inclusive but contains the basics of the Coursewriter III Language and many examples of operation code and author command use. The author is assumed to be familiar with the use of the IBM terminal he is using. If he is not, COURSEWRITER III FOR SYSTEM/360, Student/Monitor User's Guide (GH20-0608) should be studied before going any further.

Once this student text has been read, the author may refer to COURSEWRITER III FOR SYSTEM/360, AUTHOR'S GUIDE (GH20-0609) for greater detail on Operation Codes, Author commands, and other related information. Student Text, 77 pages

GC20-1729

A GUIDE TO THE IBM SYSTEM/370 MODEL 155

This guide presents hardware, programming systems, and other pertinent information about the IBM System/370 Model 155 that describes its significant new features and advantages.

Features of a Model 155 II are indicated also. The contents are intended to acquaint the reader with the Model 155 and to be of benefit in planning for its installation. Manual, 192 pages

## GC20-1730

A GUIDE TO THE IBM SYSTEM/370 MODEL 165

This guide presents hardware, programming systems, and other pertinent information about the IBM System/370 Model 165 that describes its significant new features and advantages. Features of a Model 165 II are indicated also. The contents are intended to acquaint the reader with the Model 165 and to be of benefit in planning for its installation. Manual, 160 pages

## GC20-1733

IBM 1287/1288 OCR ERROR RECOVERY GUIDE

Discusses tools, techniques, and methods of importance for error recovery when planning, programming, and installing the IBM 1287 and IBM 1288 Optical Character Readers. Data Processing Technique Manual, 28 pages

## GC20-1734

A GUIDE TO THE IBM SYSTEM/370 MODEL 145

This guide presents hardware, programming systems, and other pertinent information about the IBM System/370 Model 145 that describes its significant new features and advantages. The contents are intended to acquaint the reader with the Model 145 and to be of benefit in planning for its installation.

Associated with this guide are four optional supplements that describe operating systems for the Model 145 that support a virtual storage environment. Each supplement has its own form number and must be ordered individually, if required. Optional supplements are the following:

- o DOS/Virtual Storage Features Supplement (GC20-1756)
- o OS/Virtual storage 1 Features Supplement (GC20-1752)
- o OS/Virtual Storage 2 Features Supplement (GC20-1753)
- o Virtual Machine Storage 2 Features Supplement (GC20-1757)

Manual, 264 pages

## GC20-1738

A GUIDE TO THE IBM SYSTEM/370 MODEL 135

This guide presents hardware, programming systems, and other pertinent information about the IBM System/370 Model 135 that describes its significant new features and advantages. The contents are intended to acquaint the reader with the Model 135 and to be of benefit in planning for its installation.

Associated with this guide are three optional supplements that describe operating systems for the Model 135 that supports a virtual storage environment. Each supplement has its own form number and must be ordered individually, if required. Optional supplements are the following:

- o DOS/Virtual Storage Features Supplement (GC20-1756)
- o OS/Virtual Storage 1 Features Supplement (GC20-1752)
- o Virtual Machine Facility/370 Features Supplement (GC20-1757)

Manual, 316 pages

## GC20-1739

HANDPRINTING CONSIDERATIONS FOR THE IBM 1287/1288 OPTICAL CHARACTER READERS

This publication was written to help determine why handprinted characters reject or substitute, and to help define input problems related to character shape and size. Included is general information about handprinting requirements and why characters reject or substitute. Varying character shapes and sizes are also included for reference purposes.

Data Processing Techniques Manual, 40 pages

## GC20-1740

STATE AND LOCAL GOVERNMENT INDUSTRIES BIBLIOGRAPHY

The purpose of this bibliography and the associated classification system is to list and categorize IBM application publications that are pertinent to the state and local government industry. Bibliography, 24 pages

## GC20-1744

COURSEWRITER III, VERSION 3 STUDENT TEXT PROGRAM NUMBERS 5734-E13, 5736-E11

The intent of this publication is to get a new author working on his material as soon as possible. Course material so prepared may not be the ultimate in Coursewriter III Version 3 Language usage, but it will be available for student use in the shortest possible time.

This student text guides the new author of course materials through the language by a step-by-step presentation. The text is not all-inclusive but contains the basics of the Coursewriter III Version 3 language and

many examples of operation code and author command use.

The text assumes the reader is using an IBM 1050 or 2740 terminal and is familiar with its use. If he is not using either of these terminals, or is not familiar with terminal operation, Coursewriter III, Version 3 Student/Monitor User's Guide (SH20-1010) should be studied before going any further.

The text also assumes the reader is using a terminal that is connected to the computer via a telephone line. For terminals using direct wire connection (Modem), none of the dialing procedure is necessary.

If an OEM acoustic coupler is being used instead of the data set, refer to the OEM documentation for operational procedures.

Once this student text has been read, the author may refer to Coursewriter III, Version 3 Author's Guide (SH20-1009) for greater detail on operation codes, author commands, and other related information. Other IBM publications concerned with coursewriter III, Version 3 include:

- o Coursewriter III, Version 3 Application Description (GH20-0987)
  - o Coursewriter III, Version 3 Supervisor's Guide (SH20-1011)
  - o Coursewriter III, Version 3 System Programmer's Guide (LY20-0691 for OS, or LY20-0679 for DOS)
  - o Coursewriter III, Version 3 Operator's Guide (SH20-1022 for OS, or SH20-1012 for DOS)
  - o Coursewriter III, Version 3 Author Reference Card (GX20-1833)
  - o Coursewriter III, Version 3 Student Reference Card (GX20-1834)
  - o Coursewriter III, Version 3 Monitor Reference Card (GX20-1832)
  - o Coursewriter III, Version 3 Supervisor Reference Card (GX20-1835)
  - o Coursewriter III Instruction Sheet (GX20-1831)
- Student text, 84 pages

## GC20-1747

EDUCATION INDUSTRY BIBLIOGRAPHY

The purpose of this Bibliography and the associated classification system is to list and categorize IBM application publications that are pertinent to the Education Industry. Section I lists these publications by subject area. Section II contains an abstract of each publication in form number sequence.

A periodic Bibliography of Application Publications (BAP) newsletter is published to keep the bibliography up to date. The newsletter is divided into two sections. Section I is an updated listing of application publications by application or industry. This section also includes any corrections to the bibliography and a list of superseded publications. Section II contains an abstract of each publication not included in the published bibliography. Bibliography, 32 pages

## GC20-1751

IBM 3881 OPTICAL MARK READER SYSTEMS DESIGN GUIDE

This manual is a guide to the design of a data entry system using OMR. The material includes forms design, operations, and programming techniques. It is intended to be used both as an instruction guide and as a resource during systems installation design. Manual

## GC20-1754

A GUIDE TO THE IBM SYSTEM/370 MODEL 158

This guide presents hardware, programming systems, and other pertinent information about the IBM System/370 Model 158 that describes its significant new features and advantages. Knowledge of the IBM System/370 Model 155 is assumed. Features common to Models 155 and 158 are indicated but not discussed in detail. The contents of the guide are intended to acquaint the reader with the Model 158 and to be of benefit in planning for its installation.

Associated with this guide are four optional supplements that describe operating systems for the Model 158 that support a virtual storage environment. Each supplement has its own form number and must be ordered individually, if required. Optional supplements are the following:

- o DOS/Virtual Storage Features Supplement (GC20-1756)
- o OS/Virtual Storage 1 Features Supplement (GC20-1752)
- o OS/Virtual Storage 2 Features Supplement (GC20-1753)
- o Virtual Machine Facility/370 Features Supplement (GC20-1757)

Manual, 120 pages

## GC20-1755

A GUIDE TO THE IBM SYSTEM/370 MODEL 168

This guide presents hardware, programming systems, and other pertinent information about the IBM System/370 Model 168 that describes its significant new features and advantages. Knowledge of the IBM System/370 Model 165 is assumed. Features common to Models 165 and 168 are indicated but not discussed in detail. The contents of the guide are intended to acquaint the reader with the Model 168 and to be of benefit in planning for its installation.

Associated with this guide are three optional supplements that describe operating systems for the Model

168 that support a virtual storage environment. Each supplement has its own form number and must be ordered individually, if required. Optional supplements are the following:

- o OS/Virtual Storage 1 Features Supplement, GC20-1752
- o OS/Virtual Storage 2 Features Supplement, GC20-1753
- o Virtual Machine Facility/370 Features Supplement (GC20-1757)

\* Availability to be announced  
Manual, 118 pages

## GC20-1760

IBM 3886 OPTICAL CHARACTER READER FORMS KIT

This manual includes 30 forms designed for the 3886 and text describing the application. Forms are printed in two colors to illustrate design and use of forms in various industries.  
Manual

## GC20-1767

OPTICAL MARK READ/CARD PRINT APPLICATION SOLUTIONS IBM 3504 and 3505 CARD READERS IBM 3525 CARD PUNCH

This manual contains brief descriptions of application solutions using the 3504/3525 Card Subsystem with System/370 Model 125 and the 3505/3525 Card Subsystem with all models of System/370. The application solutions highlight the Optical Mark Read feature on the card reader, and the Card Print feature on card punch.

The two-color card form samples accompanying the majority of application descriptions illustrate the variety of ways of using the card subsystem to solve data processing problems in many industries. Data printed in black within the sample cards simulates 3525 card printing.

It is assumed that punched hole data will be contained in many of the application cards discussed, but the punched holes have not been represented in these illustrations.

All card documents illustrated in this publication are reduced in physical size from the standard specifications for an 80-column card.  
Manual, 75 pages

## GC20-1769

FINANCE AND SECURITIES INDUSTRIES BIBLIOGRAPHY

The purpose of this bibliography is to list and categorize IBM application publications and programs that are pertinent to finance and securities industries.

- o Section I classifies these publications and programs by industry and application.
- o Section II contains abstracts of application briefs and application manuals, in form number sequence.
- o Section III contains abstracts of application programs, field developed programs, installed user programs, and program products, in program number sequence.

Manual, 44 pages

## SC20-8092

SYSTEM/360 DOS OPERATION TRAINING MANUAL: STUDENT TEXT, COURSE CODE A3650

This reusable text introduces the student to many of the procedures to be followed when operating the IBM System/360 Models 25, 30, and 40 in a Disk Operating System batched-job environment. Because the operator's main tasks are concerned with I/O and the console, this text concentrates on these areas

8-1/2 x 11 Self-Study Student Text, 86 pages

## GC20-8095

IBM SYSTEM/360 INTRODUCTION TO TELE-PROCESSING STUDENT TEXT

This reference publication is designed to provide non-technical personnel with a conceptual introduction to teleprocessing. It presents the concepts of teleprocessing with little emphasis on programming techniques. Following an historical survey is a review of the elements of a teleprocessing system, including a discussion of typical application areas and basic teleprocessing systems flow.

Equipment characteristics, communications terms and concepts are presented in detail, and summary chapters are devoted to a study of teleprocessing systems design and the concept of the total system.

The major objectives of this manual are to:

1. Define the elements of, and examine the information flow within, a teleprocessing system.
2. Introduce the basic functions and capabilities of the teleprocessing equipment in the IBM product line.
3. Provide a background for the study of teleprocessing systems design through a discussion of the elements of a teleprocessing system, including communications line considerations, network design, and program support.

Book, 8-1/2 x 11 inch, 76 pages

## GC20-8096

INTRODUCTION TO DATA MANAGEMENT STUDENT TEXT

This publication is an introduction to the concepts of data management and information processing. It is intended to address both programmer and non-programmer. Topics

presented are Data Management and Information, Fields and Records, Data Storage Devices, Data Organization, Functions of Data Management, and Concepts of a Data Base System.  
Manual, 8-1/2 x 11, 60 pages

## GC21-5000

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT FORTRAN IV (CARD) PROGRAMMER'S GUIDE PROGRAM NUMBER 360P-FO-205

This publication provides the information necessary for:

1. Translating Card FORTRAN IV source programs into System/360 coding

AND

2. Executing the resulting System/360 coding.

Included also are techniques and considerations for improving Card FORTRAN IV programs. These are supplementary to the information provided in the language publication, IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SPECIFICATIONS, FORTRAN IV (16K CARD), Form C21-9040. The user should read that publication before reading this one.  
Systems Reference Library Manual, 90 pages

## GC21-5001

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DISTRIBUTION PROGRAM SPECIFICATIONS AND OPERATING GUIDE PROGRAM NUMBER 360P-UT-208

The distribution program issued for maintenance and distribution of the Disk Operating System. This reference publication contains the specifications and operating guide for the distribution program and describes the functions of the program, program deck, control cards, system and deck preparation, error messages and options, and operating instructions.

Systems Reference Library Manual, 32 pages

## SC21-5005

IBM DOS RPG II LANGUAGE, PROG. NO. 5736-RG1

THIS PUBLICATION IS A PLANNING AID ONLY. It is intended for use prior to the availability of the DOS RPG II Compiler. The publication will be updated to become reference documentation when the RPG II language is available.

This publication contains the fundamentals of the RPG II language along with the RPG II language specifications for the IBM System/360 Disk Operating System. The DOS RPG II compiler and generated program can be used for System/360 Models 25, 30, 40, 50, 65, and 75.

Job setup information for compiling and executing an RPG II program is also included in the publication.  
Manual, 508 pages

## GC21-5008

IBM SYSTEM/360 OPERATING SYSTEM PLANNING FOR THE IBM 3211 PRINTER DATA MANAGEMENT MACRO INSTRUCTIONS AND SERVICES

This publication is a planning aid only. It is intended for use prior to the availability of the data management macro instructions for the IBM 3211 Printer and shall be replaced by reference documentation when that support becomes available.

This publication describes macro instructions and services provided under IBM System/360 Operating System for use with the IBM 3211 Printer.  
Systems Reference Library Manual, 35 pages

## SC21-5013

DOS IBM 1288 BASIC UNFORMATTED READ SYSTEM: A DATA CAPTURE UTILITY PROGRAM, PROG. NO. 5736-UT1

This publication is a reference manual designed to assist you in implementing data entry applications using the IBM 1288 Optical Page Reader. The data must be printed or typed in either USASCSOCR Size A or ISOCOCR-A size 1 font in the unformatted mode.

This manual describes the control and functions of 1288 Basic Unformatted Read System, which include:

- o Input and output
- o Error handling routines
- o Job control language

The program operates under the IBM System/360 Disk Operating System with either BATCH or Multiple Programming Support (MPS).

Manual, 36 pages

## SC21-5014

OS IBM 1288 BASIC UNFORMATTED READ SYSTEM: A DATA CAPTURE UTILITY PROGRAM, PROG. NO. 5736-UT3

This publication is a reference manual designed to assist you in implementing data entry applications using the IBM 1288 Optical Page Reader. The data must be printed or typed in either USASCSOCR size A or ISO OCR size 1 font in the unformatted mode.

This manual describes the control and functions of the 1288 Basic Unformatted Read System, which include:

- o Input and output
- o Error handling routines
- o Job control language

The program operates under the IBM Operating System with:

- o MFT - multi-programming with a fixed number of tasks.
- o MVT - multi-programming with a variable number of tasks.
- o VSI - virtual storage, 1.

o VS2 - virtual storage, 2.  
Manual, 30 pages

## GC21-5021

IBM DOS RPG II GENERAL INFORMATION MANUAL  
PROGRAM NUMBER 5736-RG1  
This publication describes the basic RPG II functions and provides information on performance and compatibility. The DOS RPG II compiler and generated program can be used for System/360 Models 25, 30, 40, 50, 65, and 75. Manual, 32 pages

## GC21-5028

IBM DISK OPERATING SYSTEM RPG II  
PROGRAM PRODUCT SPECIFICATIONS  
PROGRAM NUMBER 5736-RG1  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification sheet, 2 pages

## SC21-5033

IBM SYSTEM/360 DISK OPERATING SYSTEM  
RPG TO RPG II CONVERSION REFERENCE MANUAL  
This manual explains the differences between the Disk Operating System RPG and RPG II languages. Differences which are fully diagnosed, partially diagnosed, and not diagnosed are described. A recommended conversion procedure from RPG to RPG II is explained as well as procedures for converting each difference.  
This manual is intended for programmers experienced in using the RPG language who plan to use their RPG programs under the RPG II compiler.  
Systems Reference Library Manual, 52 pages

## GC21-5052

IBM DISK OPERATING SYSTEM RPG II AUTO REPORT FEATURE  
GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5736-RG1  
This manual introduces the function of the DOS RPG II Auto Report Feature for potential customer management, customer analysts, and for IBM personnel involved in marketing this feature.  
Auto Report is a DOS RPG II program product feature. This feature extends the capabilities of the PRG II language and aids the RPG II user by reducing the programming effort required to code and debug his application programs.  
This publication provides general descriptions of the four functions of the Auto Report Feature; discusses the compatibility and performance of Auto Report; and has an example showing an Auto Report job, from the coding needed to produce a report, to the specifications generated by Auto Report for that job, and finally to the report produced as output. Prerequisite publications are:  
o Concepts and Facilities for DOS and TOS (GC24-5030)  
o Introduction to RPG II (GC21-7514)  
General Information Manual, 15 pages

## SC21-5056

IBM DOS RPG II AUTO REPORT FEATURE - REFERENCE MANUAL  
PROGRAM NUMBER 5736-RG1  
This manual contains three types of information about the RPG II Auto Report Feature:  
1. Introductory and tutorial information on Auto Report for beginning users.  
2. Reference information on Auto Report specifications for more experienced users.  
3. Information on the internal operation of the Auto Report Feature for personnel with maintenance responsibility (replaces the program logic manual).  
The Auto Report Feature is a program that operates prior to the RPG II compiler and that calls the compiler when it has finished processing. Auto Report generates complete RPG II source specifications for simple reports from simplified RPG II output specifications, standard RPG II specifications, and a special statement that copies previously cataloged specifications from a source library. Auto Report also provides for selection and sorting of input records prior to processing by the RPG II object program.  
Readers of this manual must have some knowledge of RPG II.  
Manual, 100 pages

## GC21-5063

DOS PROGRAMMING SUPPORT FOR IBM 2596 CARD READ PUNCH  
This publication is intended for people who implement IBM System/360 DOS configurations. It is intended for use upon availability of the IBM 2596 Card Read Punch. This publication describes the DOS support of the 2596 under the Logical Input/Output Control System (LIOCS) and provides 2596 performance information.  
Before using this publication, you should be familiar with the information in the following publications:  
o DOS Operating Guide, GC24-5022  
o DOS Supervisor and I/O Macros, GC24-5037  
o DOS System Control and Service, GC24-5036  
o DOS System Generation, GC24-5033  
o IBM 2596 Card Read Punch Programmer's Reference Manual and Operator's Guide, GA21-9144  
Manual, 20 pages

## GC21-5067

PROGRAM PRODUCT FUNCTIONAL DESCRIPTION FOR IBM DOS 1288  
BASIC UNFORMATTED READ SYSTEM - PROGRAM PRODUCT  
NUMBER 5736-UT1  
This flyer describes the IBM 1288 Basic Unformatted Read System for use with the Disk Operating System.  
Flyer, 1 page

## GC21-5068

PROGRAM PRODUCT FUNCTIONAL DESCRIPTION FOR IBM 1288 BASIC  
UNFORMATTED READ SYSTEM (MPT/MVT/VS1/VS2) PROG. NO. 5734-UT3  
Describes the IBM 1288 Basic Unformatted Read System for use with the Operating System.  
Flyer, 1 page

## GC21-5071

IBM 3740 BTAM/TCAM PROGRAMMER'S GUIDE  
GUIDE  
This publication provides the information required to write an application program for the 3741 Model 2 Data Station or the 3747 Data Converter. It contains information on BTAM, TCAM, ID verification procedures, and error recovery procedures. Programming examples are given for the access methods.  
This publication is intended for programmers who have a knowledge of teleprocessing, basic assembler, and data management techniques.  
Manual, 68 pages

## GC21-5072

DOS/VS SYSTEM INFORMATION FOR IBM 3540 DISKETTE INPUT/OUTPUT  
DOS/VS SYSTEM INFORMATION FOR IBM 3540  
INPUT/OUTPUT UNIT  
This manual is for system managers, system programmers, and application programmers. It discusses the DOS/VS programming support provided for the IBM 3540 Diskette Input/Output Unit with special emphasis on converting card-input programs to diskette-input.  
A working knowledge of DOS/VS system concepts is a prerequisite to using this publications. In addition, a basic knowledge of the 3540 and the IBM diskette are assumed. The following publications should be used in conjunction with this manual:  
IBM 3540 Diskette Input/Output Unit Operator's Guide and Programmer's Reference, GA21-9197  
The IBM Diskette for Standard Data Interchange, GA21-9182.  
Manual, 32 pages

## GC21-7514

INTRODUCTION TO RPG II  
The purpose of this manual is to teach the RPG II programming language. The manual is written not only for the person who has some previous knowledge of computer programming, but also for the person who knows little or nothing about data processing.  
The first chapter is solely for the beginner. It contains basic information about computers and data processing. The remainder of the book explains the RPG II specifications and the RPG II specifications sheets. Many job-related examples are used to show how the RPG II specifications apply to a real situation. The manual concludes with a sample job, which summarizes the duties of an RPG II programmer.  
After completing this manual, the reader should be able to use the various systems reference manuals to write basic RPG II programs.  
Tutorial, 150 pages

## GC22-6820

IBM SYSTEM/360 INSTALLATION MANUAL - PHYSICAL PLANNING  
Contains information necessary for planning the physical installation of the IBM System/360 in the United States. It includes floor planning information as well as electrical environmental, and structural requirements. Detailed cable charts are provided. This manual replaces and obsoletes Order No. GC22-6820-11.  
Manual, 150 pages

## GC22-6922

IBM 2911 MODELS 1, 2, AND 5 AND IBM 2989 MODEL 8,  
INSTALLATION MANUAL - PHYSICAL PLANNING  
This bulletin contains all physical planning data necessary to install the IBM 2911 Manual Switching Unit, Models 1, 2, and 5 and the IBM 2989 Remote Switching Console, Model 8. If a unit is to be installed in conjunction with a computer system, specifications for the most critical unit must be met.  
Data follows the same format and uses the same standardized symbols as IBM SYSTEM/360 INSTALLATION MANUAL - Physical Planning, Order Number GC22-6820.  
Systems Reference Library Manual, 8 pages

## GC22-6939

IBM SYSTEM/360 SPECIAL FEATURE: 2680 CRT PRINTER  
INSTALLATION MANUAL PHYSICAL PLANNING  
This manual contains physical planning data necessary to install the IBM 2680 CRT Printer. The requirements of the unit are subject to modification by engineering developments. Note that in any multiple-equipment



installation, specifications for the most critical unit must be met.

Data is given in the standardized format and symbology found in IBM SYSTEM/360 INSTALLATION MANUAL - PHYSICAL Planning, Order Number GC22-6820, which is a required reference.  
Systems Reference Library Manual, 8 pages

GC22-7004

IBM SYSTEM/370 INSTALLATION MANUAL -- PHYSICAL PLANNING  
Contains information necessary for planning the physical installation of the IBM System/370 in the United States. It includes floor planning information, as well as electrical, environmental, and structural requirements. Detailed cable charts are provided.  
Manual, 400 pages

GC24-3320

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE PROGRAMS SPECIFICATIONS PROGRAMS:  
1 - CHANNEL - 360P-SM-043  
2 - CHANNEL - 360P-SM-044

This publication describes the following:

1. Minimum machine requirements.
2. Program capabilities.
3. Required control statements.
4. User-written routines.

Systems Reference Library Manual, 110 pages

GC24-3321

IBM SYSTEM/360 BASIC OPERATING SYSTEM SORT/MERGE PROGRAM SPECIFICATIONS  
PROGRAM NUMBER 360B-SM-308

This publication describes the IBM System/360 Basic Operating System, Sort/Merge Program. It contains the following information:

1. Minimum machine requirements for sorting or merging records with this program.
2. Program capabilities.
3. A description of the control statements required to define specific sort or merge operations.
4. A description of the facilities provided for inserting user-written routines into the program.

Systems Reference Library Manual, 52 pages

GC24-3343

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT AUTOTEST SPECIFICATIONS (8K TAPE)  
PROGRAM NUMBER 360P-PT-045

This reference publication describes in detail the testing services provided by the Basic Programming Support (BPS) Tape Autotest (8K Tape) program and the control cards necessary to use the services. Although one of the 8K TPE BPS programs, Autotest requires at least 16K positions of main storage for execution. The following features are described: Autopatch, display, panel, card list, Autotest Output Tape, the Autotest Card to Tape utility, the Autotest Tape to Printer utility, normal and abnormal dumps, and Disaster Continue. Special Autotest requirements of Job Control are also presented.

The reader should be familiar with IBM SYSTEM/360 PRINCIPLES OF OPERATION, Form A22-6821 and IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT PROGRAMMER'S GUIDE (8K TAPE), Order Number GC24-3354.  
Systems Reference Library Manual, 58 pages

GC24-3345

IBM 1401/1460 TIMING PROGRAMS FOR IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE PROGRAMS (8K TAPE)  
PROGRAM 1401-LM-078, VERSION 2 (2401-2404)  
PROGRAM 1401-LM-080, VERSION 1 (2415)

This publication contains the specifications and operating procedures for the IBM 1401 and 1460 timing programs used to estimate the amount of time required to sort records with an IBM System/360 Basic Programming Support 1-channel or 2-channel Sort/Merge Program (8K Tape).

The following information is included in this publication:

1. Minimum machine requirements for estimating times with these programs.
2. A description of the user-prepared information cards required to define the proposed sort operation.
3. The procedure to follow for executing the timing programs.

The user of this publication should be familiar with IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE PROGRAMS (8K Tape), Order Number GC24-3320.  
Systems Reference Library Manual, 16 pages

GC24-3354

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM PROGRAMMER'S GUIDE  
PROGRAM NUMBER 360P-AS-091

This reference publication describes the Basic Tape System and its use. The reader should have a basic knowledge of System/360. The major topics explained are:

OPERATION WITH THE CONTROL PROGRAMS: Supervisor interruption handling, operator communication, the Channel Scheduler, and the communication region; Job Control card formats and symbolic I/O assignment; IPL and the Program Loader.

INPUT/OUTPUT CONTROL SYSTEM (IOCS): Labels, file and record processing.

BASIC TAPE SYSTEM: Job control with the System Tape, assembly of a Supervisor, Linkage Editor, and System Tape building, maintenance, and service.  
Systems Reference Library Manual, 166 pages

GC24-3355

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT ASSEMBLER WITH INPUT/OUTPUT MACROS (TAPE) SPECIFICATIONS  
SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBER 360P-AS-021  
This reference publication describes the basic programming support tape assembler language and the input/output (I/O) macros supplied by IBM for use in programs written in the assembler language. The general features of the assembler language are described first, followed by a description of each of the three types of assembler language statements: machine-instruction, Assembler-instruction, and macro instruction statements. The description of macro instructions consists of a description of each of the IBM-supplied I/O macros.

The reader should be familiar with the information presented in the publications: IBM SYSTEM/360 PRINCIPLES OF OPERATION, GA22-6821, IBM SYSTEM/360 Basic Programming Support, Programmer's Guide (GC24-3354) and IBM SYSTEM/360 BASIC OPERATING SYSTEM AND IBM SYSTEM/360 Basic Programming Support, Macro Definition Language, Order Number GC24-3364.  
Manual, 218 pages

GC24-3361

IBM SYSTEM/360 BASIC OPERATING SYSTEM ASSEMBLER WITH INPUT/OUTPUT MACROS SPECIFICATIONS  
PROGRAM NUMBER 360B-AS-309

This reference publication describes the assembler language and the input/output (I/O) macros supplied by IBM for use in writing programs for 8K disk-oriented System/360 installations. The general features of the assembler language are described first, followed by a description of each of three types of assembler language statements: machine-instruction, assembler-instruction, and macro instruction statements. The description of the macro instructions consists of a description of each of the IBM-supplied I/O macros.

The reader should be familiar with the information presented in the publications: IBM SYSTEM/360 Principles of Operation, (GA22-6821); IBM SYSTEM/360 BASIC OPERATING SYSTEM, PROGRAMMER'S Guide, Order Number GC24-3372  
IBM SYSTEM/360 BASIC OPERATING SYSTEM AND IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT, MACRO DEFINITION Language, Order Number GC24-3364.  
Systems Reference Library Manual, 280 pages

GC24-3363

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DASD UTILITY PROGRAMS SPECIFICATIONS

This reference publication describes the IBM System/360 Basic Programming Support Direct Access Storage Device Utility Programs. The programs described are:

PROGRAM NAME	ORDER NUMBER
SINGLE-TRANSFER UTILITY PROGRAMS	
Card to Disk, Version 3	360P-UT-063
Disk to Card, Version 3	360P-UT-064
Disk to Disk, Version 3	360P-UT-067
Disk to Printer, Version 3	360P-UT-073
Disk to Tape, Version 3	360P-UT-065
Tape to Disk, Version 3	360P-UT-066
SPECIAL-PURPOSE UTILITY PROGRAMS	
Alternate Track Assignment (2311)	
Version 3	360P-UT-098
16K Alternate Track Assignment (2311/2314), Version 1	360P-UT-207
Alternate Track Assignment (2321), Version 1	360P-UT-212
Clear Disk, Version 3	360P-UT-068
Copy Data Cell to Tape, and Restore Tape to Data Cell, Version 1	360P-UT-071
Copy Disk to Card, and Restore Card to Disk, Version 1	360P-UT-062
Copy Disk to Disk, Version 1	360P-UT-072
Copy Disk to Tape, and Restore Tape to Disk, Version 1	360P-UT-061
Initialize Data Cell, Version 1	360P-UT-204
Initialize Disk (2311), Version 4	360P-UT-069
16K Initialize Disk (2311/2314), Version 1	360P-UT-206
Multiple Disk to Printer, Version 2	360P-UT-203

These programs can be received by ordering individually numbered program packages. Each program is shipped as a complete entity, in object form, ready to perform its function. Other BPS Utility Programs have been reissued in the publications: IBM SYSTEM/360 BASIC SPECIFICATIONS, GC24-5026. These publications support only the latest version of the program.

The reader should be familiar with the information presented in the publication: IBM SYSTEM/360 BASIC Operating System, Programmer's Guide, GC24-3372 and IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DASD UTILITY PROGRAMS Operation Guide, GC24-3392  
Systems Reference Library Manual, 84 pages

GC24-3364

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC OPERATING SYSTEM MACRO DEFINITION LANGUAGE  
This reference publication describes the macro definition language for the IBM System/360 Basic Programming Support and the IBM System/360 Basic Operating System. The language described in this publication can be used to facilitate the writing of an assembler language program.

The reader should be familiar with the information presented in these publications: IBM SYSTEM/360 PRINCIPLES OF OPERATION, Order No. GA22-6821; IBM SYSTEM/360 BASIC OPERATING SYSTEM, ASSEMBLER WITH INPUT/OUTPUT MACROS, Order No. GC24-3361; and IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT, ASSEMBLER WITH INPUT/OUTPUT MACROS (TAPE), Order No. GC24-3355. For a list of associated System/360 publications, see the IBM SYSTEM/360 BIBLIOGRAPHY, Order No. GA22-6822. Systems Reference Library Manual, 50 pages

GC24-3372

IBM SYSTEM/360 BASIC OPERATING SYSTEM PROGRAMMER'S GUIDE  
This reference publication describes the IBM System/360 Basic Operating System. The system is a set of control programs and processing programs provided for smaller configurations of the IBM System/360. Utilizing IBM 2311 Disk Storage for on-line program residence, IBM System/360 Basic Operating System provides stacked-job processing capability, controls and input/output; and provides for continuous operation of all programs run in its environment.

This Programmer's Guide includes descriptions of the control programs, service programs, and system facilities supported by IBM. A comprehensive introduction gives an over-all picture of the entire system. Detailed information is given on these major topics:

1. Operation with the System Control Programs
2. Using the System Service Programs
3. Data Management

The prerequisite for a thorough understanding of this manual is a basic knowledge of System/360 machine concepts and instructions.

Systems Reference Library Manual, 236 pages

GC24-3374

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SPECIFICATIONS REPORT PROGRAM GENERATOR (CARD)  
This reference publication contains complete programming specifications for the IBM System/360 Report Program Generator (Card). Included are the basic function of RPG for readers with unit record experience who are not familiar with RPG.

Systems Reference Library Manual, 130 pages

GC24-3377

IBM 1401/1460 TIMING PROGRAM FOR IBM BASIC OPERATING SYSTEM/360 SORT/MERGE PROGRAM PROGRAM 1401-LM-079  
This publication contains the specifications and operating procedures for the IBM 1401 and 1460 timing program used to estimate the amount of time required to sort records with the IBM Basic Operating System/360 8K Disk Sort/Merge program.

The following information is included in this publication:

1. Minimum machine requirements for estimating times with this program.
2. A description of the user-prepared information cards required to define the proposed sort operation.
3. The procedure to follow for executing the timing program.

The user of this publication should be familiar with IBM BASIC OPERATING SYSTEM/360 SORT/MERGE PROGRAM (8K DISK), C24-3321.

Systems Reference Library Manual, 16 pages

GC24-3378

IBM SYSTEM/360 BASIC OPERATING SYSTEM SPECIFICATIONS AUTOTEST (8K DISK) PROGRAM NUMBER 360B-PT-306  
This reference publication describes in detail the testing services provided by Disk Autotest in the Basic Operating System (8K Disk) and the control cards necessary to use the services. Although Disk Autotest is a BOS (8K Disk) program, it requires a minimum of 16K positions of main storage for execution. The following services are discussed: Autopatch, display, panel, The Autotest Card to Tape (Variable) utility, the normal and abnormal end of job dumps including the symbolic dump, testing immediately following an assembly, and separate assemblies and tests. Special Autotest requirements for Job Control are also presented.

The reader should be familiar with IBM SYSTEM/360 Principles of Operation, (GA22-6821), IBM Basic Operating System/360 Programmer's Guide (8K Disk), GC24-3372; IBM BASIC OPERATING SYSTEM/360 UTILITY PROGRAMS (8K DISK), GC24-3409, and IBM Basic Operating System/360 Assembler with Input/Output Macros (8K Disk), Order Number GC24-3361. Systems Reference Library Manual, 56 pages

GC24-3387

IBM SYSTEM/360 BASIC OPERATING SYSTEM REPORT PROGRAM GENERATOR SPECIFICATIONS PROGRAM NUMBER 360B-RG-307  
This reference publication contains fundamentals of RPG programming and language specifications for the IBM

System/360 Basic Operating System Report Program Generator. For information on the Basic Operating System that is beyond the purpose of this language publication, see IBM System/360 Basic Operating System Programmer's Guide, Order Number GC24-3372. Systems Reference Library Manual, 180 pages

GC24-3391

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM OPERATING GUIDE PROGRAM NUMBER 360P-AS-091 RPG PROGRAM NUMBER 360P-RG-201

This reference publication discusses briefly the overall concepts of using the various programs in the Basic Tape System. It describes the function and operation of the Control Programs used in conjunction with the IBM-supplied system tape or user's object program. A section listing messages provided by the programs or routines is included. System/operator communication is discussed, and a section of reference charts for system/360 coding is also included.

Each individual program section gives the specific operating procedure for that particular program, supplying information such as: description of card decks, and procedures to be followed.

Systems Reference Library Manual, 122 pages

GC24-3392

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DASD UTILITY PROGRAMS OPERATING GUIDE

This publication is intended to be used as a guide in operating the following direct access storage device (DASD) utility programs:

PROGRAM NAME	ORDER NUMBER
<b>SINGLE-TRANSFER UTILITY PROGRAMS</b>	
Card to Disk, Version 3	360P-UT-063
Disk to Card, Version 3	360P-UT-064
Disk to Disk, Version 3	360P-UT-067
Disk to Printer, Version 3	360P-UT-073
Disk to Tape, Version 3	360P-UT-065
Tape to Disk, Version 3	360P-UT-066
<b>SPECIAL-PURPOSE UTILITY PROGRAMS</b>	
Alternate Track Assignment (2311), Version 3	360P-UT-098
16K Alternate Track Assignment (2311/2314), Version 1	360P-UT-207
Alternate Track Assignment (2321), Version 1	360P-UT-212
Clear Disk, Version 3	360P-UT-068
Copy Data Cell to Tape, and Restore Tape to Data Cell, Version 1	360P-UT-071
Copy Disk to Card, and Restore Card to Disk, Version 1	360P-UT-062
Copy Disk to Disk, Version 1	360P-UT-072
Copy Disk to Tape, and Restore Tape to Disk, Version 1	360P-UT-061
Initialize Data Cell, Version 1	360P-UT-204
Initialize Disk, Version 4	360P-UT-069
16K Initialize Disk (2311/2314), Version 1	360P-UT-206
Multiple Disk to Printer, Version 2	360P-UT-203

These programs can be received by ordering individually numbered program packages. Each program is shipped as a complete entity, in object form, ready to perform its function. Other BPS utility programs have been reissued in the publication: IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT CARD AND TAPE UTILITY PROGRAMS OPERATING GUIDE, GC24-5027. These publications will support only the latest versions of the programs.

The reader should be familiar with the information presented in the publications: IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT, DASD UTILITY PROGRAMS SPECIFICATIONS, GC24-3363, IBM System/360 Basic Operating System Programmer's Guide, (GC24-3372), and IBM System/360 Principles of Operation, (GA22-6821). Systems Reference Library Manual, 76 pages

GC24-3396

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT UNIVERSAL CHARACTER SET UTILITY PROGRAM OPERATING GUIDE PROGRAM NUMBER 360P-UT-048

This reference publication contains the OPERATING GUIDE for the Universal Character Set Utility Program used to load the read/write storage units in the IBM 2821 Control Unit. Included in the manual are a description of the UCS program deck, control cards, system and deck preparation, error waits and options, and operating instructions. An APPENDIX contains related information including standard train/chain arrangements and the Extended Binary Coded Decimal Interchange Code.

The user of this publication should be familiar with IBM 2821 Control Unit, Order Number GA24-3312, and IBM 1403 Printer, Order Number GA24-3073. Systems Reference Library Manual, 24 pages

GC24-3398

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT 1412/1419 SPECIFICATIONS AND OPERATING GUIDE PROGRAM NUMBER 360P-IO-058

This reference publication describes programming specifications and operating procedures for the Input/Output control program supplied by IBM for System/360 applications using the IBM 1412 and 1419 Magnetic Character Readers. Detailed information is given on the programming required

for all I/O operations on these devices as well as for other services of the control program. Also included are operator instructions and diagnostic messages. Systems Reference Library Manual, 56 pages

GC24-3408

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT 1231 SPECIFICATIONS AND OPERATING GUIDE  
PROGRAM NUMBER: 360P-IO-060

This reference publication contains a description of the Input/Output program for the IBM 1231 Optical Mark Page Reader, and information concerning the instructions required to use the 1231 as an input device to an IBM System/360.

This reference publication also describes operating procedures for the Input/Output 1231 program. This program is used with the IBM 1231 Optical Mark Page Reader attached to an IBM System/360 Model 30, 40, 50, or 65.

The reader should be familiar with the information presented in these publications: IBM SYSTEM/360 PRINCIPLES of Operation (GA22-6821), IBM System/360 Basic PROGRAMMING SUPPORT, BASIC TAPE SYSTEM PROGRAMMER'S GUIDE, (GC24-3354), and IBM System/360 Basic Operating System Programmer's Guide, (GC24-3372). The publication IBM 1231 NI Optical Mark Page Reader, (GA21-9031), containing information that will be helpful to the 1231 programmer. Systems Reference Library Manual, 48 pages

GC24-3409

IBM SYSTEM/360 BASIC OPERATING SYSTEM UTILITY PROGRAMS SPECIFICATIONS  
PROGRAM NUMBERS 360B-UT-300, 360B-UT-301

This reference publication describes the IBM System/360 Basic Operating System Utility Programs. The programs described are:

GROUP 1	GROUP 2
Program Number 360B-UT-300	Program Number 360B-UT-301
Card-to-Disk Program	Card-to-Tape Program
Card-to-Printer and/or Punch Program	Disk-to-Tape Program
Disk-to-Card Program	Tape-to-Card Program
Disk-to-Disk Program	Tape-to-Disk Program
Disk-to-Printer Program	Tape-to-Printer Program
Clear Disk Program	Tape-to-Tape Program
VTOC Display Program	Tape Compare Program

These programs are ordered by the above group program numbers and are distributed on the disk pack.

The reader should be familiar with the information presented in the publications IBM SYSTEM/360 BASIC OPERATING System, Programmer's Guide (GC24-3372), IBM System/360 BASIC OPERATING SYSTEM, ASSEMBLER WITH INPUT/OUTPUT MACROS (GC24-3361), IBM System/360 Basic Operating System, Operating Guide, Control Programs and Assembler Order Number GC24-3450.

The reader will find error messages for these utility programs in IBM SYSTEM/360 BASIC OPERATING SYSTEM, OPERATING Guide: Operator Messages (GC24-5024) Systems Reference Library Manual, 68 pages

GC24-3413

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE PROGRAMS OPERATING GUIDE PROGRAMS:

- 1 - CHANNEL - 360P-SM-043  
2 - CHANNEL - 360P-SM-044

This reference publication contains the following information:

1. The minimum machine requirements for sorting or merging records with the Sort/Merge Programs.
2. A description of the program packages.
3. A description of the procedure for modifying the program decks.
4. The instructions for running a Sort/Merge Program.
5. The programmed messages then can occur while the program is being run.

Systems Reference Library Manual, 28 pages

GC24-3414

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEM ASSEMBLER LANGUAGE

This reference publication contains specifications for the IBM System/360 Disk and Tape Operating Systems Assembler Language (including macro instructions and conditional assembly facilities).

The assembler language is a symbolic programming language used to write programs for the IBM System/360. The language provides a convenient means for representing the machine instructions and related data necessary to program the IBM System/360. The IBM System/360 Disk and Tape Operating Systems Assembler Programs process the language and provide auxiliary functions useful in the preparation and documentation of a program, and include facilities for processing macro instructions.

Part 1 of this publication is an introduction to the assembler language.

Part 2 describes the basic functions of the assembler language.

Part 3 describes the conditional assembly and macro facilities in the assembler language. Manual, 214 pages

GC24-3417

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT AUTOTEST OPERATING GUIDE  
PROGRAM NUMBER 360P-PT-045

This reference publication contains information the operator must know to test an object program using the 8K Tape Autotest Program. Autotest can be executed only on a machine with a minimum of 16K positions of main storage.

The reader should be familiar with the IBM System/360 publications: IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT AUTOTEST SPECIFICATIONS, Order No. GC24-3343; IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM, Order No. GC24-3391; IBM SYSTEM/360 MODEL 30 OPERATOR'S GUIDE, Order No. GA24-3373.

For a list of other associated System/360 publications, see the IBM SYSTEM/360 BIBLIOGRAPHY, Order No. GA22-6822. Systems Reference Library Manual, 24 pages

GC24-3418

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT REPORT PROGRAM GENERATOR (TAPE) SPECIFICATIONS  
PROGRAM NUMBER 360P-RG-201

This reference publication contains complete programming specifications for the IBM System/360 Report Program Generator (Tape). Included are the basic functions of RPG for readers with tape experience who are not familiar with RPG. For more detailed information regarding the generation of system tapes and input/output facilities provided, refer to the publication IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT, Basic Tape System Programmer's Guide, Order Number GC24-3354.

Systems Reference Library Manual, 152 pages

GC24-3427

DOS DATA MANAGEMENT CONCEPTS, PROG. NO. 360N-CL-453

Data management pertains to the organization of data files and the means of accessing data. Data formats, labeling procedures, and access methods are of prime concern.

Specific topics in this publication are PIOCS and LIOCS, record formats and record blocking, SAM, DAM, ISFMS, DASD devices, DASD initialization and maintenance, and tape and DASD labels. Appendixes include standard volume and file labels, ASCII-EBCDIC correspondence, and a table showing access method nomenclature used by the various languages that DOS supports.

This reference publication is intended for both systems and application programmers who code in assembler language.

A prerequisite publication is IBM SYSTEM/360 PRINCIPLES OF OPERATION (GA22-6821). Supplementary information is contained in these publications:

DOS SUPERVISOR AND I/O MACROS (GC24-5037)

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS ASSEMBLER SPECIFICATIONS (GC24-3414)

NOTE: Although titles of some DOS publications have been simplified, the change does not affect the contents of the publications.

For a list of other System/360 and System/370 publications and their abstracts, refer to IBM SYSTEM/360 AND SYSTEM/370 BIBLIOGRAPHY (GA22-6822). Manual, 92 pages

GC24-3430

IBM SYSTEM/360, TAPE OPERATING SYSTEM, DATA MANAGEMENT CONCEPTS

This reference publication contains a discussion of the data management facilities inherent in the Tape Operating System. It describes the Input/Output Control System (IOCS), the file formats, and the labeling procedures available with the system.

The following publications are recommended as prerequisite readings:

IBM System/360 Principles of Operation (GA22-6821)

IBM SYSTEM/360 TAPE OPERATING SYSTEM, SYSTEM CONTROL AND System Service Programs (GC24-5034).

Systems Reference Library Manual, 36 pages

GC24-3433

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS COBOL LANGUAGE SPECIFICATIONS COBOL DOS PROGRAM NUMBER 360N-CB-452 COBOL TOS PROGRAM NUMBER 360M-CB-402

This publication provides the programmer with rules for writing programs in COBOL for IBM System/360 Disk and Tape Operating Systems. Users unacquainted with COBOL should read the programmed instruction textbook COBOL PROGRAM Fundamentals, (SR29-0205), with its reference handbook, (SR29-0206).

Systems Reference Library Manual, 148 pages

GC24-3437

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT 1418/1428 SPECIFICATIONS AND OPERATING GUIDE  
PROGRAM NUMBER 360P-IO-059

This publication describes the input/output 1418/1428 program (I/O 1418/1428 Program) supplied by IBM for System/360 applications using the IBM 1418 or 1428 Optical Character Readers. The I/O 1418/1428 Program provides complete interruption-handling capability, controls all input/output, and controls of document buffer for maximum throughput. This reference publication also describes operating procedures for the Input/Output 1418/1428 program. Systems Reference Library Manual, 62 pages

GC24-3438

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS TAPE SORT/MERGE PROGRAM PROGRAM NUMBERS 360M-SM-400 360N-SM-400  
This publication explains the following:

1. Minimum machine requirements.
2. Program capabilities.
3. Required control statements.
4. User-written routines.

Systems Reference Library Manual, 112 pages

GC24-3439

IBM 1401/1460 TIMING PROGRAM FOR DOS AND TOS TAPE SORT/MERGE PROGRAM, PROG. NO. 1401-LM-010(2401-2404), 1401-LM-012(2415)  
This publication contains the specifications and operating procedures for the IBM 1401 and 1460 timing program used to estimate the amount of time required to sort tape records with the IBM SYSTEM/360 Disk Operating System Tape Sort/Merge program or the IBM System/360 Tape Operating System Tape Sort/Merge Program.

The following information is included in this publication:

1. Minimum machine requirements for estimating times with these programs.
2. A description of the user-prepared information cards required to define the proposed sort operation.
3. The procedure to follow for executing the timing program.

The user of this publication should be familiar with IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, TAPE SORT/MERGE program specifications, order number (GC24-3438).  
Systems Reference Library Manual, 16 pages

GC24-3441

IBM SYSTEM/360 TAPE OPERATING SYSTEM AUTOTEST SPECIFICATIONS PROGRAM NUMBER 360M-PT-407

This reference publication describes the testing service provided by the IBM System/360 Tape Operating System Autotest program. Programmer-oriented diagnostic messages are included in this publication, as well as formats and examples of control cards for both job control and Autotest.  
Systems Reference Library Manual, 52 pages

GC24-3444

IBM SYSTEM/360 DISK OPERATING SYSTEM DISK SORT/MERGE PROGRAM PROGRAM NUMBER 360M-SM-450

This publication describes the IBM System/360 Disk Operating System Sort/Merge Program and contains the following information:

1. Minimum machine requirements for sorting or merging records with this program.
2. Program capabilities.
3. A description of the control statements required to define specific sort or merge operations.
4. A description of the facilities provided for inserting user-written routines into the program.

Systems Reference Library Manual, 82 pages

GC24-3445

IBM 1401/1460 TIMING PROGRAM FOR IBM SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE PROGRAM PROGRAM NUMBER 1401-LM-011

This publication contains the specifications and operating procedures for the IBM 1401 and 1460 timing program used to estimate the amount of time required to sort records with the IBM System/360 Disk Operating System Sort/Merge program.

The following information is included in this publication:

1. Minimum machine requirements for estimating times with this program.
2. A description of the user-prepared information cards required to define the proposed sort operation.
3. The procedure to follow for executing the timing program.

The user of this publication should be familiar with IBM SYSTEM/360 DISK OPERATING SYSTEM, SORT/MERGE PROGRAM specifications, (GC24-3444).  
Systems Reference Library Manual, 16 pages

GC24-3450

IBM SYSTEM/360 BASIC OPERATING SYSTEM OPERATING GUIDE  
This publication is divided into five sections:

SECTION 1 presents the operating procedures for the IBM System/360 Basic Operating System Control Programs and Assembler.

SECTION 2 presents the operating procedures for testing an object program using the IBM System/360 BOS Autotest program.

SECTION 3 presents the operating procedures for programs written in the IBM System/360 BOS Report Program Generator (RPG) language.

SECTION 4 presents the operating procedures for using the IBM System/360 BOS Sort/Merge program and a description of the procedure to follow when cataloging the BOS Sort/Merge program and user routines into the disk-resident core-image library.

SECTION 5 presents the operating procedures for both groups of utility programs in the IBM System/360 Basic Operating System.  
System Reference Library Manual, 166 pages

GC24-3464

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT REPORT PROGRAM GENERATOR (CARD) OPERATING GUIDE

This reference publication describes the operating procedures for the IBM System/360 Basic Programming Support, Report Program Generator (Card). It contains this information:

1. A description of the procedure to follow when using the Card RPG program to produce a variety of business reports.
2. The operating considerations for the Card RPG program.
3. The programmed messages that may be printed or displayed during generation or execution of the object program.

Manual, 35 pages

GC24-3465

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS UTILITY PROGRAMS SPECIFICATIONS PROGRAM NUMBERS 360N-UT-461, 462, 463

This reference publication describes to programmers the use of the IBM System/360 Disk and Tape Operating Systems Utility Programs. Both file-to-file and special-purpose utilities are included. The programs described are:

360N-UT-461

Assign Alternate-Track-Disk	Disk to Card
Card to Printer and/or Punch	Disk to Disk
Card to Disk	Disk to Printer
Clear Disk	Initialize Disk
Copy-Disk to Disk	VTOC Display
Copy and Restore-Disk to Card	

360N-UT-462

Card to Tape	Tape to Card
Copy and Restore-Disk or Data Cell to Tape	Tape Compare
Data Cell to Tape	Tape to Data Cell
Disk to Tape	Tape to Disk
Initialize Tape	Tape to Printer
	Tape to Tape

360N-UT-463

Assign Alternate Track-Data Cell	
Clear Data Cell	Data Cell to Printer
Data Cell to Data Cell	Disk to Data Cell
Data Cell to Disk	Initialize Data Cell

The reader should be familiar with these SRL publications for the IBM System/360 Disk and Tape Operating Systems: IBM SYSTEM/360 TAPE OPERATING SYSTEM, SYSTEM CONTROL AND SYSTEM SERVICE PROGRAMS, Order No. GC24-5034; IBM SYSTEM/360 DISK OPERATING SYSTEM, SYSTEM CONTROL AND SYSTEM SERVICE PROGRAMS, Order No. GC24-5036. For titles and abstracts of other associated publications, see the IBM SYSTEM/360 and System/370 Bibliography, GA22-6822.  
Systems Reference Library Manual, 176 pages

GC24-5015

IBM SYSTEM/360 TAPE OPERATING SYSTEM, SYSTEM GENERATION AND MAINTENANCE

This reference publication contains specifications and operating procedures used to generate an installation tailored Tape Operating System. Supervisor macro instructions are used to describe facilities that are required within the system. This publication also contains sample problems that can be used to test the generated system.  
Systems Reference Library Manual, 128 pages

GC24-5020

IBM SYSTEM/360, TAPE OPERATING SYSTEM, PERFORMANCE ESTIMATES

This reference publication contains main storage, external storage, and timing estimates for the Tape Operating System. The storage requirements are not sensitive to system configuration, but the timing estimates are. Therefore, representative system configurations are used to illustrate timing variances.

The timing discussion includes estimates for Job Control, Linkage Editor, Assembler, COBOL, FORTRAN, PL/I, and RPG. Time requirements for processing ATTN commands, foreground program initiation, and the task selection mechanism are included. Examples illustrate the use of the timing data to calculate total job time.  
Systems Reference Library Manual, 68 pages

GC24-5021

IBM SYSTEM/360, TAPE OPERATING SYSTEM, OPERATING GUIDE

This reference publication describes the operating procedures to be followed when executing jobs in a multiprogramming environment using the Tape Operating

System. Topics discussed in this publication include stacked-job processing capability, multiprogramming, and related functions the operator must perform to initiate system operation and communicate with the system. A quick reference listing of all system-to-operator messages is included.  
Systems Reference Library Manual, 124 pages

## GC24-5022

IBM SYSTEM/360 DISK OPERATING SYSTEM OPERATING GUIDE  
PROGRAM NUMBER 360N-CL-453

This reference publication describes the procedures to be followed by system operators when executing jobs using the Disk Operating System. Topics discussed include: system concepts, system operation, problem determination, and communication with the system. A section of general operating techniques is included.

Messages from the system, previously included in the DOS Operating Guide, are now contained in a separate publication, IBM SYSTEM/360 DISK OPERATING SYSTEM OPERATOR COMMUNICATIONS AND MESSAGES, GC24-5074. The communications manual also contains other reference information of interest to the system operator.

For a list of associated publications, refer to the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822.  
Systems Reference Library Manual, 134 pages

## GC24-5024

IBM SYSTEM/360 BASIC OPERATING SYSTEM OPERATOR MESSAGES

This reference publication lists, in numeric and alphabetic order, all messages issued to the operator by the programs of the IBM System/360 Basic Operating System.

The following programs have messages contained in this manual.

Basic Control Program	360B-CL-302
Consecutive Processing Macros	360B-IO-303
Indexed Sequential File Management System (ISFMS) Macros	360B-IO-304
STR Macros	360B-IO-310
BSC Macros	360B-CQ-312
Utilities--Group I	360B-UT-300
Utilities--Group II	360B-UT-301
Sort/Merge	360B-SM-308
Assembler	360B-AS-309
Report Program Generator	360B-RG-307
Autotest	360B-PT-306

Systems Reference Library Manual, 92 pages

## GC24-5025

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS COBOL  
PROGRAMMER'S GUIDE

PROGRAM NUMBERS 360N-CB-452 360M-CB-402

This publication describes how to compile, linkage edit, and execute a Disk and Tape COBOL program. The text also describes the output from each of these steps. In addition, it explains options of the compiler and many available features of the operating system.

Systems Reference Library Manual, 216 pages

## GC24-5026

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT CARD AND TAPE  
UTILITY PROGRAMS SPECIFICATIONS

This reference publication describes the IBM System/360 Basic Programming Support Card and Tape Utility Programs. The programs described are:

SINGLE-TRANSFER UTILITY PROGRAMS	SPECIAL-PURPOSE UTILITY PROGRAMS
Card to Printer and/or Punch	Initialize Tape
360P-UT-050, Version 3	360P-UT-057, Version 3
Card to Tape	Multiple Utility
360P-UT-051, Version 3	360P-UT-055, Version 2
Tape to Card	Storage Print
360P-UT-053, Version 3	360-UT-056, Version 1
Tape to Printer	Tape Compare
360P-UT-052, Version 3	360P-UT-201, Version 1
Tape to Tape	
360P-UT-054, Version 3	

The preceding programs can be received by ordering individually numbered program packages. Each program is shipped as a complete entity, in object form, ready to perform its function.

The reader should be familiar with the information presented in the publications: IBM SYSTEM/360 BASIC Programming Support, Programmer's Guide (8K tape), GC24-3354, IBM System/360 Basic Programming Support Operating Guide: card and tape utility programs, (GC24-5027).

Systems Reference Library Manual, 60 pages

## GC24-5027

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT CARD AND TAPE  
UTILITY PROGRAMS OPERATING GUIDE

This reference publication contains the guidelines to operate the following card and tape utility programs:

SINGLE-TRANSFER UTILITY PROGRAMS	SPECIAL-PURPOSE UTILITY PROGRAMS
Card to Printer and/or Punch	Initialize Tape
360P-UT-050, Version 3	360P-UT-057, Version 3

Card to Tape	Multiple Utility
360P-UT-051, Version 3	360P-UT-055, Version 2
Tape to Card	Storage Print
360P-UT-053, Version 3	360P-UT-056, Version 1
Tape to Printer	Tape Compare
360P-UT-052, Version 3	360P-UT-202, Version 1
Tape to Tape	
360P-UT-054, Version 3	

These programs can be received by ordering individually numbered program packages. Each program is shipped as a complete entity, in object form, ready to perform its function.

The reader should be familiar with these IBM System/360 publications: IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT Card and tape utility programs specifications, (GC24-5026) IBM System/360 Principles of Operation, (GA22-6821), and other manuals associates with this device.

Systems Reference Library Manual, 48 pages

## GC24-5029

IBM SYSTEM/360 OPERATING SYSTEM COBOL (E) PROGRAMMER'S GUIDE  
PROGRAM NUMBER 360S-CO-503

This publication describes how to compile, linkage edit, and execute a COBOL (E) program. The text also describes the output from each of these steps. In addition, it explains options of the compiler and many available features of the operating system.

Systems Reference Library Manual, 164 pages

## GC24-5030

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS  
CONCEPTS AND FACILITIES

This reference publication describes the concepts of Disk and Tape Operating Systems and guides the planner in the use of their various facilities. It describes the components in the Disk and Tape Operating Systems and explains the function of each. The last section of the publication discusses the design, preparation and execution of programs.

For titles and abstracts of associated publications, see the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822.  
Systems Reference Library Manual, 44 pages

## GC24-5033

IBM SYSTEM/360 DISK OPERATING SYSTEM:  
SYSTEM GENERATION AND MAINTENANCE

This reference publication describes the planning and the procedures necessary to generate and to maintain an installation-tailored IBM System/360 Disk Operating System (DOS) that provides support for IBM-supplied DOS programs you desire, as well as for your own programs. The major topics discussed are:

- Planning the installation-tailored DOS supervisor
- Planning the installation-tailored DOS operational pack(s)
- Procedures for generating and for maintaining the DOS system
- Sample problems for testing the IBM-supplied DOS programs

The storage requirements for the supervisor and the operational pack(s) are found in their respective sections of this publication.

Prerequisites for a thorough understanding and for the effective use of this publication are:

IBM SYSTEM/360 DISK OPERATING SYSTEM, CONCEPTS AND FACILITIES, GC24-5030

IBM SYSTEM/360 DISK OPERATING SYSTEM: SYSTEM CONTROL AND SYSTEM SERVICE PROGRAMS, GC24-5036

IBM SYSTEM/360 DISK OPERATING SYSTEM, SUPERVISOR AND INPUT/OUTPUT MACROS, GC24-5037

IBM SYSTEM/360 DISK OPERATING SYSTEM, OPERATING GUIDE, GC24-5022

IBM SYSTEM/360 DISK OPERATING SYSTEM, OPERATOR COMMUNICATIONS AND MESSAGES, GC24-5074

For titles and abstracts of other associated publications, see the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822.

Systems Reference Library Manual, 384 pages

## GC24-5034

IBM SYSTEM/360 TAPE OPERATING SYSTEM, SYSTEM CONTROL AND  
SYSTEM SERVICE PROGRAMS

This reference publication describes the IBM System/360 Tape Operating System. The system is a set of control programs and processing programs provided for the IBM System/360. Using IBM 2400-series magnetic tape units for on-line program residence, IBM System/360 Tape Operating System provides stacked-job processing capability, multiprogramming capability, controls all input/output, and provides for continuous operation of all programs run in its environment. Detailed information is given in this publication on these major topics.

1. Operation with the System Control Program:
  - a. System Organization

- b. Supervisor Functions
- c. Job Control Program
- 2. Using the System Service Programs:
  - a. Linkage Editor
  - b. Librarian

The prerequisite for a thorough understanding of this publication is a basic knowledge of System/360 machine concepts.

Systems Reference Library Manual, 124 pages

## GC24-5035

IBM SYSTEM/360, TAPE OPERATING SYSTEM, SUPERVISOR AND INPUT/OUTPUT MACROS

This reference publication contains planning information about the Input/Output Control System macro instructions and the Supervisor macro instructions for use with the IBM System/360 Tape Operating System (TOS).  
Systems Reference Library Manual, 144 pages

## GC24-5036

IBM SYSTEM/360 DISK OPERATING SYSTEM: SYSTEM CONTROL AND SYSTEM SERVICE PROGRAMS

This reference publication describes the IBM System/360 Disk Operating System. The system is a set of control programs and processing programs for IBM System/360. Using IBM 2311 Disk Storage or IBM 2314 Direct Access Storage for on-line program residence, the IBM System/360 Disk Operating System:

- Provides stacked-job programming capability.
- Provides multiprogramming and telecommunications capability.
- Controls all input/output.
- Provides for continuous operation of all programs run in its environment.

Detailed information is given on these major topics:

- System Control Program
  - System Organization
  - Supervisor Functions
  - Job Control Program
- System Service Programs
  - Linkage Editor
  - Librarian
  - Problem Determination

Prerequisite for understanding this publication is a basic knowledge of System/360 machine concepts.

For titles and abstracts of other associated publications, see the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822.

Systems Reference Library Manual, 200 pages

## GC24-5037

IBM SYSTEM/360 DISK OPERATING SYSTEM SUPERVISOR AND INPUT/OUTPUT MACROS SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBER 360N-CL-453

This reference publication is for the programmer planning to use the DOS Input/Output Control System macro instructions and supervisor communication macro instructions. These macro instructions can be combined with problem programs to produce generalized or specific file processing programs for a foreground or background environment. The major subjects describe the macro system, label processing, multitasking macros, physical IOCS, supervisor communication macros, and sequential, direct, and indexed sequential access methods. Prerequisite information is contained in the following publications:

IBM SYSTEM/360 DISK OPERATING SYSTEM: SYSTEM PROGRAMMER'S GUIDE, GC24-5073

IBM SYSTEM/360 DISK OPERATING SYSTEM, DASD LABELS, GC24-5072

IBM SYSTEM/360 PRINCIPLES OF OPERATION, GA22-6821

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, ASSEMBLER LANGUAGE, GC24-3414

IBM SYSTEM/360 DISK OPERATING SYSTEM, DATA MANAGEMENT CONCEPTS, GC24-3427

For titles and abstracts of other associated publications, see the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822.

Systems Reference Library Manual, 300 pages

## GC24-5038

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS BASIC FORTRAN IV PROGRAMMERS GUIDE

PROGRAM NUMBERS 360N-FO-451 AND 360M-FO-409

This publication describes the procedures for compiling and executing Fortran IV programs under control of the Disk Operating System or Tape Operating System. Its purpose is to guide the programmer with examples and techniques of the Basic Fortran IV language. It also exposes the user to the components of the control program and facilities of the IBM System/360 Disk and Tape Operating Systems.  
Systems Reference Library Manual, 96 pages

## GC24-5039

IBM SYSTEM/360 DISK OPERATING SYSTEM COBOL DASD MACROS PROGRAM NUMBER 360N-CB-468

This reference publication provides the programmer with rules for using DASD macros to handle input/output operations for direct access or indexed sequential files.  
Systems Reference Library Manual, 28 pages

## GC24-5041

IBM SYSTEM/360 BASIC OPERATING SYSTEM, MASTER INDEX

This index is a consolidation of the indexes of all programming publications for the IBM Basic Operating System (BOS). Each index entry is accompanied by the abbreviated publication title, the subject code of the publication within the IBM System Reference Library, and the publication form number.  
Systems Reference Library Manual, 52 pages

## GC24-5042

DOS AND TOS UTILITY MACROS PROG. NOS. 360M-UT-411 AND 360N-UT-471

The utility macro instructions are primarily designed to operate within the multiprogramming environment of the Disk or Tape Operating System. Input macro instructions can be combined with output macro instructions, and with processing routines, to generate generalized or specific file processing programs. The resulting utility programs can operate in either a foreground or background partition.

This manual is intended for the applications programmer who is concerned with creating utility programs to operate in a DOS or TOS multiprogramming system. The manual describes how to specify each macro instruction and gives examples of various programming applications.

The main sections of this book are: general information on generating a utility program, detailed specifications of the macro instructions, and coded examples illustrating the use of these instructions.

The reader must be familiar with the information presented in: IBM System/360 Disk and Tape Operating Systems, Assembler Language, GC24-3414, and either TOS System Control and Service Programs, GC24-5034, or DOS System Control and Service, GC24-5036.  
Manual, 64 pages

## GC24-5061

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM SYSTEM GENERATION AND MAINTENANCE PROGRAM NUMBER 360P-AS-091

This reference publication contains specifications and operating procedures for generating and maintaining a system tape for Basic Programming Support.  
Systems Reference Library Manual, 48 pages

## GC24-5062

IBM SYSTEM/360 DISK OPERATING SYSTEM AUTOTEST SPECIFICATIONS

This reference publication describes the testing services provided by the Disk Operating System Autotest. The following features are described: Autopatch, Test Request Options, normal and abnormal End of Job Dumps, Disaster Continue and the Autotest Card-to-Tape Variable program. Programmer-oriented diagnostic messages are also included. Control card formats and examples are given for Job Control as well as for Autotest.

The reader should be familiar with the following related publications:

IBM SYSTEM/360 PRINCIPLES OF OPERATION, order number GA22-6821;  
IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS ASSEMBLER specifications, order number GC24-3413;

IBM SYSTEM/360 DISK OPERATING SYSTEM SYSTEM CONTROL and system service programs, order number GC24-5036;  
IBM SYSTEM/360 DISK OPERATING SYSTEM OPERATING guide, order number GC24-5022;

IBM SYSTEM/360 DISK OPERATING SYSTEM SYSTEM GENERATION and maintenance, order number GC24-5033; and

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS UTILITY programs specifications, order number GC24-3465.  
Systems Reference Library Manual, 56 pages

## GC24-5063

DOS MASTER INDEX

This index is a consolidation of the indexes of programming publications for the IBM Disk Operating System (DOS). Each index entry is accompanied by an abbreviated title of the publication. Appendix A contains a list of the DOS publications used to compile this consolidated index by abbreviated title, complete title, order number, and the subject code of the publication within the IBM System Reference Library. Appendix B contains the publication plan for the Disk Operating System.

For titles and abstracts of all IBM System/360 and System/370 publications, see the IBM System/360 and System/370 Bibliography (GA22-6822).  
Master Index, 252 pages

## GC24-5064

IBM SYSTEM/360 TAPE OPERATING SYSTEM, PROGRAMMING INDEX

This index is a consolidation of the indexes of all programming publications for the IBM Tape Operating System (TOS). Each index entry is accompanied by the abbreviated publication title, and subject code of the publication

within the IBM System Reference Library, and the publication form number. Appendix A contains a list of the TOS publications, by title and form number, used to compile this consolidated index. Appendix B contains the publication plan for the Tape Operating System. Systems Reference Library Manual, 94 pages

GC24-5066

TOS OLTEP SPECIFICATIONS AND OPERATING GUIDE, PROG. NO. 360M-DN-418

This reference publication describes the On Line Test Executive Program that controls on line testing of I/O units under the Tape Operating System supervisor. It explains the functions of the program and gives procedures for running the test programs. The test programs are not described in this publication. Information about the test programs can be obtained from an IBM Field Engineering representative. Manual, 24 pages

GC24-5067

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT MASTER INDEX

This index is a consolidation of the indexes of all programming publications for IBM System/360 Basic Programming Support (BPS). Each index entry is accompanied by the abbreviated publication title, the subject code of the publication within the IBM Systems Reference Library, and the publication form number. Appendix A contains a list of the BPS publications, by title and form number, used to compile this consolidated index. Appendix B contains the publication plan for Basic Programming Support. Systems Reference Library Manual, 76 pages

GC24-5069

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT MODULAR FILE MAINTENANCE PROGRAM SPECIFICATIONS AND OPERATING GUIDE

PROGRAM NUMBER 360P-UT-219

This reference publication describes the specifications and operating procedures for the IBM System/360 Basic Programming Support Modular File Maintenance Program. This program is used to retrieve programs from IBM-supplied distribution tapes. It also builds and maintains a file of one or more modules, primarily source and/or object decks of programs, which may be revised whenever necessary.

Programmer-oriented diagnostic messages, as well as formats and examples of control statements for job control and the Modular File Maintenance Program, are included in this publication. An understanding of the IBM System/360 programming concepts is a prerequisite.

System/360 programming concepts are discussed in IBM SYSTEM/360 PRINCIPLES OF OPERATION, Order No. GA22-6821. Titles and abstracts of other related publications are listed in the IBM SYSTEM/360 BIBLIOGRAPHY, Order No. GA22-6822. For indexes to other BPS publications refer to the IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT MASTER INDEX, Order No. GC24-5067. Systems Reference Library Manual, 40 pages

GC24-5070

BPS, BOS, TOS, AND DOS: TAPE LABELS

The types of labels that may be written on magnetic tape by the System/360 are defined and described in this reference manual. The processing performed by the programming systems, and the specifications that the user must supply to the systems, are discussed in two major sections: one section for BPS and BOS processing, and another section for TOS and DOS processing. Each section discusses the processing of standard, user-standard, and nonstandard labels, and unlabeled files. The discussion deals primarily with the functions performed for volume, header, and trailer labels when the user gives specifications directly to IOCS through DTF entries. In addition, a portion of each label processing section deals with the label processing specifications required by components of the system (such as Sort/Merge, Utilities, COBOL, etc.).

Illustrations of volume layouts depict the various arrangements of labels and data records that can be handled by the four programming systems. Flowcharts show the sequence of events that occur when files with standard, nonstandard, or no labels are opened and closed.

For a thorough understanding of this manual, the reader should have a basic knowledge of the Input/Output Control System (IOCS). The manuals that provide this information for each system are:

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT, ASSEMBLER WITH INPUT/OUTPUT MACROS (TAPE) SPECIFICATIONS, GC24-3355.

IBM SYSTEM/360 BASIC OPERATING SYSTEM, ASSEMBLER WITH INPUT/OUTPUT MACROS SPECIFICATIONS, GC24-3361.

IBM SYSTEM/360 TAPE OPERATING SYSTEM, SUPERVISOR AND INPUT/OUTPUT MACROS, GC24-5035.

IBM SYSTEM/360 DISK OPERATING SYSTEM, SUPERVISOR AND INPUT/OUTPUT MACROS, GC24-5037. Systems Reference Library Manual, 162 pages

GC24-5072

IBM SYSTEM/360 DISK OPERATING SYSTEM, DASD LABELS

The types of labels that may be written on a Direct Access Storage Device (DASD) by the Disk Operating System are defined and described in this reference manual. The processing performed by the programming system, and the specifications that the user must supply to the system, are discussed in the second major section. This section discusses the processing of standard labels (volume, format-1, format-3) and user-standard labels for input/output sequential files and input/output direct access files. For indexed sequential files, the section discusses standard labels (volume, format-1, format-2) under the load, add, and retrieve functions. The discussion deals primarily with the functions performed for the labels when the user gives specifications directly to IOCS through DTF entries.

In other sections, illustrations of volume layouts depict the various arrangements of labels and data records that can be handled by the Disk Operating System. The DASD labels supported by the programming system are described. Each label is illustrated, and each field of each label is described in detail. Flowcharts show the sequence of events for label processing when sequential, direct access, and indexed sequential files are opened and closed.

For a thorough understanding of this manual, the reader should have a basic knowledge of the Input/Output Control System (IOCS) as described in IBM SYSTEM/360 DISK OPERATING SYSTEM, supervisor and input/output macros, (GC24-5037).

For a list of associated publications, refer to the IBM System/360 bibliography (GA22-6822). Systems Reference Library, 156 pages

GC24-5073

DISK OPERATING SYSTEM SYSTEM PROGRAMMER'S GUIDE

This reference publication is intended primarily for the system programmer who is involved in making decisions relating to the components of the installation's supervisor, file organization and program design. To form a single publication, this manual brings together and expands upon information from many sources. Major topics discussed are:

1. Supervisor Planning Concepts
2. Data Management
3. Program Design
4. Debugging Aids

For each major section, the Preface lists the most closely related publications. For a complete list of available publications, see the IBM System/360 and System/370 Bibliography (GA22-6822). System Reference Library Manual, 300 pages

GC24-5074

DOS MESSAGES - PROG. NO. 360N-CL-453

This reference publication provides quick access information for operators and programmers who encounter DOS messages and use DOS commands and job control language. This publication does not include:

- o Any message issued by IBM Program Products
- o Any language message issued during compilation or assembly
- o RPG messages
- o OLTEP messages
- o System/370 Emulator messages

NOTE: Although titles of some DOS publications have been simplified, the change does not affect the contents of the publication.

For detailed DOS operating information, see the companion publication, DOS OPERATING GUIDE (GC24-5022). For a list of associated publications, refer to the IBM SYSTEM/360 AND SYSTEM/370 BIBLIOGRAPHY (GA22-6822). Manual, 384 pages

GC24-5082

DOS TO OS/MFT, OS/MVT, OR OS/VS1 MANAGEMENT PLANNING GUIDE

This publication is a planning guide only. It is intended for use by installations planning to make the transition from the Disk Operating System (DOS) to the Operating System (OS/MFT, OS/MVT, or OS/VS1). It is designed to assist management in preparing a total plan for the transition project.

This guide includes suggestions for management consideration that cover creation of a planning committee, planning for short and long-term objectives, staff education, organizational and operational considerations, standards, system planning, and program and file revision considerations.

For implementation information on the transition from DOS see Dos to OS Implementation Guide, GC24-6000 or DOS to OS/VS1 Implementation Guide, GC24-5095. Manual, 28 pages

GC24-5086

DOS OLTEP

This reference publication describes the Disk Operating System (DOS) On-Line Test Executive Program (OLTEP) that controls online testing of I/O units under the DOS supervisor. It explains the functions of the program and gives procedures for running the test programs that are obtained from the IBM Customer Engineer.

For titles and abstracts of associated publications, see the IBM SYSTEM/360 2nd system/370 BIBLIOGRAPHY (GA22-6822).

Manual, 48 pages

## GC24-6000

IBM SYSTEM/360 DOS-TO-OS IMPLEMENTATION GUIDE  
This publication consists of self-contained chapters, each of which provides information on how to modify the IBM System/360 Disk Operating System (DOS) programs and files to run under the IBM System/360 Operating System. It is designed primarily for programming personnel responsible for making the transition from DOS to OS and applies to DOS Release 23 and OS Release 19.  
Manual, 296 pages

## GC24-9005

DOS AND TOS PL/I (D) COMPILER PROGRAMMER'S GUIDE  
PL/I - PROGRAMMER'S GUIDE

This publication complements the Systems Reference Library publication DOS and TOS PL/I (D) Compiler, Language Reference Manual, Order No. GC28-8202. Its purpose is to aid the programmer and to familiarize him with the techniques of PL/I programming. This publication therefore provides all information that is not part of the PL/I Language Reference Manual but required by the programmer to write programs in the PL/I (D) language and to have them compiled and executed in the DOS/TOS environment.

- The main topics covered in this publication are:
- o The DOS/TOS environment
  - o PL/I data file organization
  - o Storage requirements of PL/I programs and program elements
  - o The overlay facility
  - o Listings produced for PL/I programs
  - o Restrictions to the PL/I (D) language

In some instances, the programmer may desire detailed additional information on topics not directly connected with PL/I. A list of all pertinent Systems Reference Library publications is provided in the Introduction section of this publication.

Manual, 165 pages

## GC26-3564

IBM SYSTEM/360 CONVERSION AIDS: THE 1401/1440/1460 TAPE OVERLAP EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 30, PROGRAM NUMBER 360C-EU-097

This publication describes the Tape Overlap Emulator Program and contains instructions on its use. The Tape Overlap Emulator Program is used with the IBM 1401/1440/1460 Compatibility Feature of the System/360 to allow overlap of magnetic tape operations with processing of IBM 1400-series programs.

Emulation is a technique that uses both special machine features and programming to allow programs written for one data processing system be run on another type of system.  
Systems Reference Library Manual, 48 pages

## GC26-3570

DOS AND TOS RPG LANGUAGE SPECIFICATIONS, PROG. NOS. 360N-RG-460 (DOS), 360M-RG-408 (TOS)

This publication contains fundamentals of RPG programming and language specifications for the IBM System/360 Disk and Tape Operating Systems, Report Program Generator. This program can be used for System/360 Models 30, 40, 50, 65 and 75.

Also included is the job setup information for executing RPG.  
Systems Reference Library Manual, 300 pages

## GC26-3734

IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION: TSO ASSEMBLER PROMPTER DESIGN OBJECTIVES, PROGRAM 5734-CP2

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.  
Design Objectives, 2 pages

## GC26-3735

IBM SYSTM/360 OPERATING SYSTEM ASSEMBLER H DESIGN OBJECTIVES SHEET, PROGRAM NUMBER 5734-AS1

Assembler H is a high-performance assembler language processor for the IBM System/360 Operating System. This document contains the design objectives for Assembler H support of System/370.  
Design Objectives Sheet, 1 page

## SC26-3740

OS TSO ASSEMBLER PROMPTER USER'S GUIDE, PROG. NO. 5734-CP2

The assembler prompter is a program product that makes it easy to call Assembler F from a terminal. The prompter, which is a command processor, operates only under the Time Sharing Option (TSO) of the IBM System/360 Operating System.

This book is for the assembler-language programmer who wants to use TSO to write, assemble, and execute programs from a terminal using the assembler prompter.

Section 1, which supplements the manual IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION TERMINAL USER'S GUIDE (GC28-6763), explains how to use the ASM command by itself to assemble source code and obtain object code for existing source code. It also explains how to use ASM as an operand of the RUN command and of the RUN subcommand of the EDIT command to assemble, load, and execute assembler-language

source code.

Section 2, which supplements the book IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND LANGUAGE REFERENCE (GC28-6732), describes the format of the ASM command and lists the operands, with a brief description of each, in alphabetic order.  
System Reference Library, 30 pages

## GC26-3743

IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER H SPECIFICATION SHEET, PROGRAM NUMBER 5734-AS1

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.  
Specifications Sheet, 2 page

## GC26-3746

OS DATA MANAGEMENT SERVICES GUIDE - SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBERS 360S-AS-036,037 360S-DM-508,509 360S-IO-526

This book describes the services provided by the operating system that allow the programmer to organize data into data sets on auxiliary storage devices, to read information from these data sets into main storage, and after processing the information, to record it on auxiliary storage devices.

This book is intended for application programmers who write assembler-language programs that create and process data sets. It describes the assembler-language macro instructions used to request input and output operations. The format of the macro instructions is explained in OS Data Management Macro Instructions, GC26-3794, which should be used with this book.

In addition to describing the characteristics of data sets and direct-access storage devices, the book describes the techniques you can use to process sequential, partitioned, indexed sequential and direct data sets.

This book assumes you have a basic knowledge of the operating system and of assembler language. Two books that contain information about these subjects are OS Introduction, GC28-6534, and OS Assembler Language, GC28-6514. It also assumes you are familiar with job control language, especially the DD statement, as described in OS Job Control Language Reference, GC28-6704.

This book does not discuss macro instructions used for the time sharing option or for graphics, teleprocessing, optical character readers, optical reader-sorters or magnetic character readers. These macro instructions are discussed in separate publications that are listed in the IBM System/360 and System/370 Bibliography, GA22-6822.

Manual, 145 pages

## GC26-3756

IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (F) PROGRAMMER'S GUIDE - PROGRAM NUMBER 360S-AS-037

This publication complements the IBM System/360 Operating System Assembler Language publications. It provides a guide to program assembling, linkage editing, executing, interpreting listings, assembler programming considerations, diagnostic messages, and object output cards.

Information in this manual on IBM System/360 Model 195 should be used for planning purposes only.  
Programmer's Guide, 30 pages

## GC26-3758

OS ASSEMBLER H GENERAL INFORMATION MANUAL, PROG. #5734-AS1

Assembler H is a new assembler-language processor that extends the basic assembler language and the macro and conditional-assembly language. It is designed to perform high-speed assemblies on IBM System/360 Models 40 and larger that have at least 256K bytes of main storage.

This publication describes the language extensions. It also provides information on system requirements and performance estimates. This manual is designed to aid both planning and programming personnel. The reader is assumed to be familiar with the assembler language and with macro and conditional-assembly language processing.  
Manual, 42 pages

## SC26-3759

OS ASSEMBLER H PROGRAMMER'S GUIDE, PROG. NO. 5734-AS1

This book tells how to use Assembler H. It describes assembler options, cataloged Job Control Language procedures, assembler listing and output, sample programs, and programming techniques and considerations.

Assembler H is an assembler-language processor for the IBM System/360 Operating System. It performs high-speed assemblies on an IBM System/360 Model 40 or higher with at least 256K bytes of main storage.

This book is intended for all Assembler H programmers. It should be used in conjunction with the OPERATING SYSTEM ASSEMBLER LANGUAGE Manual, Order Number GC28-6514; the ASSEMBLER H LANGUAGE SPECIFICATIONS, Order Number GC26-3771; and the ASSEMBLER H MESSAGES, Order Number SC26-3770.  
Systems Reference Library Manual, 52 pages

## GC26-3767

IBM 2740/2968 AUDIO-VISUAL CONTROL USER'S GUIDE RPQ NUMBER F30209

This manual tells course authors how to control the audio-visual units with the 2740 remote terminal. It also describes the units and the programming support required



to operate them.  
Systems Reference Library Manual, 32 pages

## SC26-3768

OS ASSEMBLER H SYSTEM INFORMATION, PROG. NO. 5734-AS1  
IBM System/360 Operating System Assembler H System Information Program Number 5734-AS1 was designed to improve many features of Assembler P, and has expanded capabilities as a macro assembler for both system and user defined macro languages.

This publication describes installation considerations and system-generation procedures for Assembler H, and is intended primarily for programmers responsible for installing the assembler.

This manual is divided into three independent chapters:

- o Performance Estimates,
- o Storage Estimates, and
- o System Generation.

Program Product Manual, 44 pages

## SC26-3770

OS ASSEMBLER H MESSAGES, PROG. NO. 5734-AS1

This book describes the assembly error diagnostic messages and the abnormal assembly termination messages issued by Assembler H. Assembler H is an assembler-language processor for the IBM System/360 Operating System. It performs high-speed assemblies on an IBM System/360 Model 40 or higher with at least 256K bytes of main storage.

This book is intended for all Assembler H Programmers. It should be used in conjunction with the OPERATING SYSTEM ASSEMBLER LANGUAGE MANUAL, Order Number GC28-6514; the ASSEMBLER H LANGUAGE SPECIFICATIONS, Order Number GC26-3771; and the ASSEMBLER H PROGRAMMER'S GUIDE, Order Number SC26-3759.

For each error message, this book describes the number and text of the message, the explanation of the error, the assembler's handling of the error, and the programmer's response to correct the error. The introduction to this book describes the format, content, and placement of the error messages.

Systems Reference Library Manual, 70 pages

## GC26-3771

OS ASSEMBLER H LANGUAGE, PROG. NO. 5734-AS1

This manual provides language specifications for the IBM System/360 Operating System Assembler H. Primarily intended as a reference manual for assembler-language programmers, it is designed to be used in conjunction with IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER LANGUAGE, Order Number GC28-6514.

Sections 2 - 5 of this manual describe assembler language extensions.

Sections 6-10 of this manual describe extensions to the macro language.

Program Product Manual, 54 pages

## GC26-3777

DOS TO OS EMULATOR

The Disk Operating System (DOS) Emulator Program executes under OS/MPT, OS/MVA, OS/VS1, or OS/VS2. It enables DOS programs to execute in an OS environment. The DOS Emulator Program may be multiprogrammed with other OS jobs, and it can run the multiprogramming options of DOS.

This publication provides information for programmers and operators to help them code and run DOS jobs with the DOS Emulator Program. Introductory material that describes the operations and requirements for the DOS Emulator Program is included. Lists of program generated messages and sample jobstreams are also provided in the reference sections.

It is assumed that readers of this publication are familiar with OS and DOS and have a working knowledge of their control programs.

Manual, 98 pages

## GC26-3782

IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION ASSEMBLER PROMPTER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-CP2

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specifications, 8-1/2 x 11, 2 pages

## GC26-3794

OS DATA MANAGEMENT MACRO INSTRUCTIONS - SYSTEMS REFERENCE LIBRARY - LIBRARY MANUAL - PROGRAM NUMBERS 360S-DM-508, 509 360S-IO-526

This publication is intended for application programmers who are writing in assembler language; it contains, a brief description of each macro instruction and a description of each operand that can be specified in a macro instruction. Descriptions of the macro instructions for the following data management access methods are contained in this publication.

- o Basic Direct Access Method (BDAM)
- o Basic Indexed Sequential Access Method (BISAM)
- o Basic Partitioned Access Method (BPAM)
- o Basic Sequential Access Method (BSAM)
- o Queued Indexed Sequential Access Method (QISAM)
- o Queued Sequential Access Method (QSAM)

This publication does not contain descriptions of macro

instructions for specialized application programs such as teleprocessing, graphics magnetic character readers, optical character reader-sorters optical character readers.

Before using this publication to code macro instructions you should be familiar with the information contained in the OS Data Management Services Guide. Manual, 231 pages

## GC26-3796

OS TESTRAN SYSTEM INFORMATION - SYSTEMS REFERENCE LIBRARY PROGRAM NUMBER 360S-PT-516

This manual describes the procedures for restoring TESTRAN, the TESTRAN macro instruction used to generate TESTRAN into the new operating system, and the storage needed to restore, install, and execute TESTRAN. The manual is for system programmers who generate and maintain the Operating System. Manual, 20 pages

## GC26-5999

IBM SYSTEM/360 RPG TRANSLATOR

This manual provides programming specifications for the IBM System/360 RPG Translator. It describes the operations necessary for converting a 1400 RPG source program to a System/360 RPG source program.

The information contained in this publication will enable a 1400 RPG programmer to determine the scope of the Translator program and to formulate preliminary plans for its use.

This manual lists the machine features required and supported, describes the functional characteristics of the program, and provides a section on data checking and operating characteristics. Restrictions to the program are defined, and suggested solutions are provided. A program example and operating procedures are also included. Systems Reference Library Manual, 28 pages

## GC27-0001

IBM 3600 FINANCE COMMUNICATION SYSTEM - SYSTEM SUMMARY

Contains introductory information about the IBM 3600 Finance Communication System, a teleprocessing system for the finance industry. It is intended for data processing personnel, including primarily managers, system analysts, and programmers and also operations and administrations officers. A general knowledge of System/360 data processing and of financial institution operations is assumed. This publication summarizes the hardware and software components of the 3600 Finance Communication System which includes a controller and terminals, a communication link, and a central computing system. The main parts are: (1) a definition of the 3600 system and brief descriptions of its components; (2) a discussion of the configurations of the 3600 system; (3) a description of the controller and its programming support, the teller and administrative terminals, and the consumer transaction facility and its programming support; and (4) a summary of the programming support for the communication link and the central computing system. This publication has no prerequisite publications. Manual, 72 pages

## GC27-6908

IBM SYSTEM/360 CONVERSION AIDS: THE 7074 EMULATOR PROGRAM FOR IBM SYSTEM/360, MODELS 50 AND 65, PROGRAM NUMBER 360C-EU-725

This publication provides information on the IBM 7074 Emulator Program (360C-EU-725), and is directed to the user who is supplementing or replacing his IBM 7070/7074 Data Processing System with an IBM System/360, Model 50 or 65. Emulation is a technique that utilizes both equipment (Compatibility Feature) and programming to execute object programs written for other data processing systems. Systems Reference Library Manual, 48 pages

## GC27-6909

IBM SYSTEM/360 OPERATING SYSTEM, GRAPHIC PROGRAMMING SERVICES FOR IBM 2250 DISPLAY UNIT, PROGRAM NUMBER 360S-IO-523

This publication describes macro instructions and routines provided under the IBM System/360 Operating System for use with the IBM 2250 Display Unit.

These programming services are designed to facilitate the assembler-language coding of programs for displaying data in alphanumeric or graphic form on the 2250 screen and for controlling man-machine communication using the 2250. Included are facilities for creating the image-defining orders and data, for controlling input/output functions of the graphic device, and for handling communications from a 2250 operator. Both basic and express attention handling are described.

Although intended primarily for the programmer coding in System/360 assembler language, portions of this publication are also of interest to installation managers, system engineers, system programmers, and others seeking general information about programming the IBM 2250 Display Unit.

Systems Reference Library Manual, 134 pages

## GC27-6911

IBM SYSTEM/360 CONVERSION AIDS: THE 7080 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65, PROGRAM NUMBER 360C-EU-727

Special machine and programming features expand the capabilities of IBM System/360 Model 65 to include an

alternate mode of operation: operation as the IBM 7080 Emulator. The Emulator is the effective equivalent of the IBM 7080 Data Processing System, and is capable of executing programs written for the 7080. This publication describes how to prepare and use a suitably configured System/360 for the execution of 7080 programs.

General information is provided on Emulator characteristics, programming considerations, and operating considerations. Complete instructions for system generation and program use are provided, together with detailed information on error messages and corrective actions. Systems Reference Library Manual, 58 pages

## GC27-6912

IBM SYSTEM/360 OPERATING SYSTEM GRAPHIC PROGRAMMING SERVICES FOR IBM 2260 DISPLAY STATION (LOCAL ATTACHMENT) PROGRAM NUMBER 360S-IO-523

This publication describes programming services for using the IBM 2260 Display Station with the System/360 Operating System. Included are descriptions of macro instructions for input/output control and for Basic and Express Attention Handling, along with some general requirements for using the display station effectively.

Although intended primarily for the programmer coding in System/360 assembler language, portions of this publication are also of interest to installation managers, system engineers, system programmers, and others seeking general information about programming the IBM 2260 Display Station. Manual, 50 pages

## GC27-6918

IBM SYSTEM/360 OPERATING SYSTEM: MAINTENANCE PROGRAM; PROGRAM NUMBER 360S-UT-506

This publication describes the procedure for applying IBM-distributed maintenance material, or user-provided material in a prespecified form, to operating-system libraries. The major portion of this information concerns the Update Analysis Program—a program that determines the applicability of maintenance material for the individual system libraries, and accordingly constructs a job stream that effects the library updating. The information contained in IBM SYSTEM/360 OPERATING SYSTEM: SYSTEM GENERATION, Form GC28-6554, is prerequisite to the use of this publication. Systems Reference Library Manual, 48 pages

## GC27-6924

IBM SYSTEM/360 DISK OPERATING SYSTEM VOCABULARY FILE UTILITY PROGRAM FOR THE IBM 7772 AUDIO RESPONSE UNIT PROGRAM NUMBER 360N-UT-472

This document provides information on the Vocabulary File Utility Program for the IBM 7772 Audio Response Unit, that enables the user to create, organize, and update the file of work representations from which the audible responses of the IBM 7772 Audio Response Unit are formed. System Reference Library Manual, 44 pages

## GC27-6927

IBM SYSTEM/360 OPERATING SYSTEM GRAPHIC PROGRAMMING SERVICES FOR IBM 2280 AND 2282 FILM UNITS PROGRAM NUMBER 360S-IO-523

This publication contains information for writing programs using the IBM 2280 Film Recorder or the IBM 2282 Film Recorder/Scanner.

For complete coverage of available 2280/82 graphic programming services, this publication must be used with IBM SYSTEM/360 OPERATING SYSTEM: GRAPHIC PROGRAMMING SERVICES FOR IBM 2250 Display Unit, order number GC27-6909.

The information consists primarily of formats and descriptions of macro-instructions that generate orders and data that control the graphic devices. Considerations for user's error handling routines are also included. Systems Reference Library Manual, 56 pages

## GC27-6929

IBM SYSTEM/360 CONVERSION AIDS: SAMPLE PROBLEMS FOR IBM SYSTEM/360 EMULATOR PROGRAMS: PROG. NOS. 360C-EU-074, -097, -725, -726, -727, -728, -729, -731 AND -733

Sample problems are provided as a part of the distribution material for IBM System/360 Emulator Programs. They are illustrative examples designed to familiarize the user with the techniques required to execute object programs written or other IBM data processing systems under Emulator control. Sample problems are not intended to provide detailed and exhaustive tests or demonstrations of Emulator Programs.

Included in this publication are sample problems for use with the following Emulators: 1401/1440/1460 Model 30, 1401/1460 Model 40, 1410/7010 Models 40 and 50, 1620 Model 30, 7040/7044 Model 65, 7074 Models 50 and 65, 7080 Model 65, and 709/7090/7094/7094II Model 65. Systems Reference Library Manual, 28 pages

## GC27-6932

IBM SYSTEM/360 OPERATING SYSTEM, GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV, COBOL, AND PL/I, PROGRAM NUMBER 360S-IM-537

This publication describes how a FORTRAN, COBOL, or PL/I programmer can write graphic programs for use with the IBM 2250 Display Unit in association with the IBM System/360 Operating System. It also describes how the graphic

subroutine package may be used in a program written in Assembler Language.

The graphic subroutine package (GSP) consists of subroutines and functions for displaying characters or graphic forms on the 2250 screen and for controlling communication between the program and the 2250 operator. The subroutines may be called from a program written in the E, G, or H level of FORTRAN IV, in COBOL (F), or in PL/I (F), or from a program written in Assembler Language. They are not an extension of the FORTRAN IV, COBOL, or PL/I languages, but may be used in conjunction with them. Systems Reference Library Manual, 180 pages

## GC27-6933

IBM SYSTEM/360 OPERATING SYSTEM USER'S GUIDE FOR JOB CONTROL FROM THE IBM 2250 DISPLAY UNIT, PROGRAM NUMBER 360S-RC-541

This publication describes how a person at an IBM 2250 Display Unit can define and initiate jobs to be processed by the IBM System/360 Operating System. The publication discusses the job control operations that are available at the display unit and provides supplementary information to assist the user. A sample job control session is explained with test and illustrations.

The descriptions of the job control operations are written for a person who is not familiar with the IBM System/360 Operating System. Systems Reference Library Manual, 76 pages

## GC27-6935

IBM SYSTEM/360 OPERATING SYSTEM PLANNING FOR ROLLOUT/ROLLIN

This publication describes the features and capabilities provided by the rollout/rollin feature of the IBM System/360 Operating System. Rollout/rollin is used in conjunction with MVT (multiprogramming with a variable number of tasks) as an aid to main storage management. Systems Reference Library Manual, 16 pages

## GC27-6937

IBM SYSTEM/360 OPERATING SYSTEM AND 1130 DISK MONITOR SYSTEM, SYSTEM/360 - 1130 DATA TRANSMISSION FOR FORTRAN PROGRAM NUMBERS 360S-LM-542 AND 1130-LM-011

This publication describes subroutines that enable a FORTRAN IV programmer to transmit data between a program being processed by the IBM System/360 Operating System and a program being processed by the IBM 1130 Disk Monitor System Version 2. It also describes how these subroutines can be used by an Assembler Language programmer.

The subroutines described in this publication make up what is called the processor-to-processor (PTOP) program. With these subroutines, the FORTRAN programmer can perform telecommunication procedures similar to those available to Assembler Language programmers via the binary synchronous services of the Basic Telecommunications Access Method (in the System/360 Operating System) and the Synchronous Communications Adapter subroutines (in the 1130). The PTOP subroutines are not an extension of the FORTRAN IV Language, but are to be used in conjunction with it.

It is assumed that the FORTRAN user of this publication is experienced in the FORTRAN IV language of both the IBM System/360 Operating System and the IBM 1130 Disk Monitor System Version 2. It is assumed that the Assembler Language user of this publication is experienced in the Assembler Language of both systems. Detailed knowledge of binary synchronous communications programming is unnecessary. Systems Reference Library Manual, 64 pages

## GC27-6938

IBM SYSTEM/360 OPERATING SYSTEM AND 1130 DISK MONITOR SYSTEM USER'S GUIDE FOR JOB CONTROL FROM AN IBM 2250 DISPLAY UNIT ATTACHED TO AN IBM 1130 SYSTEM PROGRAM NUMBERS 360S-RC-543 AND 1130-CQ-012

This publication describes how a person at an IBM 2250 Display Unit attached to an IBM 1130 Computing System can define and initiate jobs to be processed by the IBM System/360 Operating System. A job defined at the display unit can be processed independently in the System/360 or it can be processed in conjunction with a related program in the 1130. The publication discusses the job control operations available to the 2250 user and provides supplementary information to assist him at the display unit. A complete sample job with text and illustrations is included.

The information on job control operations is written for a person unfamiliar with the IBM System/360 Operating System, the IBM 1130 Computing System, or the IBM 2250 Display Unit. A series of appendices provide information of interest to programmers and installation personnel planning for this support. Systems Reference Library Manual, 92 pages

## GC27-6939

IBM SYSTEM/360 OPERATING SYSTEM: MFT GUIDE A FIXED NUMBER OF TASKS (MFT) PROGRAM NUMBER 360S-CI-505

This publication provides information concerning Version II of Multiprogramming With a Fixed Number of Tasks (MFT) for installation personnel who are responsible for selection, evaluation, and implementation of System/360 Operating System configurations. The information is presented in two major categories: CONCEPTS and CONSIDERATIONS. These sections describe, respectively: The principles of operation of MFT.

The influence of these principles on the application and operation of the system.

The descriptive information is supplemented by examples and illustrations including a sample job scheduling sequence and sample partition configurations for systems with 128K, 256K, and 512K bytes of main storage.

Systems Reference Library Manual, 60 pages

GC27-6940

SYSTEM/360 DISK OPERATING SYSTEM 1401/1440/1460 EMULATOR PROGRAMS COMPATIBILITY SUPPORT 30/40 PROGRAM NUMBERS 360N-EU-484 AND 360N-EU-485

This publication contains information on the Emulation of 1401, 1440, and 1460 object programs under the control of the Disk Operating System. Compatibility Support/30 and Compatibility Support/40 allow emulation of these programs on the IBM System/360 Models 30 and 40, respectively. Compatibility Support/30 comprises the IBM 1401/1440/1460 Emulator Program, Number 360N-EU-484, and applicable Compatibility Features for the Model 30. Compatibility Support/40 comprises the 1401/1440/1460 Emulator Program, Number 360N-EU-485, and the applicable Compatibility Features for the Model 40. In addition, the 1401, 1440, and 1460 object program can be run on the IBM System/360 Model 25 using the 1401/1440/1460 Emulator Program for Compatibility Support/30 in conjunction with applicable Compatibility Features for the Model 25.

General information concerning machine requirements, program generation, simulation techniques, data format, control cards, and programming considerations is included, as are detailed explanations of Operator Service Functions, operating procedures, console messages, and special instructions added by the Compatibility Features for the Models 30 and 40.

The 1400 Emulator Program under DOS allows the user to run the 1401/1440/1460 programs, with little or no reprogramming under the Disk Operating System in conjunction with the Compatibility Features. This allows 1400 programs to be run in a stacked job environment, mixed with System/360 jobs.

Systems Reference Library Manual, 138 pages

GC27-6942

IBM SYSTEM/360 OPERATING SYSTEM INTRODUCTION TO MAIN STORAGE HIERARCHY SUPPORT FOR IBM 2361 MODELS 1 AND 2

This publication is an introduction to programming requirements and considerations for the division of main storage into two separately addressable segments called hierarchies.

IBM 2361 Core Storage is economical bulk storage that can be attached to processor storage units. Main Storage Hierarchy Support is programming support for the 2361. This support allows 2361 Core Storage to be selectively addressed, so that storage can be allocated from it for work areas or for loading of modules. Main Storage Hierarchy Support can be used with all configurations of the operating system except MVT with Model 65 multiprocessing.

This publication is for planners who need to decide on the physical configuration of an information processing system and for systems analysts and programmers who want to use the system most efficiently.

Systems Reference Library Manual, 25 pages

GC27-6948

7074 OS EMULATOR ON SYSTEM/370 REFERENCE, PROG. NOS. 360C-EU-739, 741 (OS), 5744-AJ1, AK1 (VS1, VS2)

This publication contains planning information about the IBM 7074 Emulator Program for the System/370 Model 165. The emulator program runs as a problem program under the MFT or MVT version of the System/360 Operating System. The Model 165 must be equipped with the IBM Compatibility Feature #7117. The emulator program and the compatibility feature enable programs written for the IBM 7074 Data Processing System to be executed on the Model 165.

The information in this publication is for installation personnel responsible for evaluating, selecting, and implementing system configurations.

Manual, 95 pages

GC27-6949

IBM SYSTEM/360 OPERATING SYSTEM: OPERATOR'S GUIDE FOR DISPLAY CONSOLES

This publication tells system operators how to use cathode ray tube (CRT) display devices as operator consoles to run MFT or MVT configurations of the IBM System/360 Operating System. The manual describes in detail the operating techniques for the Model 85 Operator Console (Feature 5450), the 2250 Display Unit, and the 2260 Display Station (local attachment). A summary of device characteristics and a glossary are included. The book must be used in conjunction with IBM SYSTEM/360 OPERATING SYSTEM: OPERATOR'S REFERENCE, Form GC28-6691, and IBM SYSTEM/360 OPERATING SYSTEM: OPERATOR'S PROCEDURES, Form GC28-6692.

Manual, 108 pages

GC27-6951

EMULATING THE IBM 7094 ON IBM MODELS 85 AND 165 USING OS/360 PROG. NO. 360C-EU-734 (FOR MOD 85), 360C-EU-740 (FOR MOD 165)

This manual describes the IBM 709/7090/7094/7094 II Emulator Program for the IBM System/370 Model 165, and provides

information needed to use the program. The emulator program executes object programs for the IBM 709, 7090, 7094, and 7094 II Data Processing Systems, and runs as a problem program under the MFT or MVT configuration of the IBM System/360 Operating System. The System/370 Model 165 must be equipped with the IBM Compatibility Feature #7119. The emulator program uses the compatibility feature to perform the more complex and frequently occurring processes of emulation.

The manual also describes three programs that are distributed with the emulator: the tape preprocessor program, the tape postprocessor program, and the emulator system-output writer. The preprocessor and postprocessor programs are data manipulation programs that change the format of 7094 data. The writer prints 7094 data spooled on the SYSOUT data set.

System planners and programmers should use this manual for planning, generating, using, and modifying the emulator. Programmers responsible for executing 7094 programs should use the manual for instructions on processing 7094 data and executing the emulator. System operators should use the manual for instructions on how to communicate with the emulator program. All messages issued by the emulator and the data manipulation programs are included in an Appendix.

Programmers and planners should be experienced with the IBM 709, 7090, 7094, or 7094 II Data Processing System, and have a working knowledge of either the MFT or MVT configuration of the IBM System/360 Operating System.

Systems Library, 88 pages

GC27-6952

7080 OS EMULATOR ON MODELS 165/168: REFERENCE, PROG. NOS. 360C-EU-737 (MFT/MVT), 5744-AL1 (VS1/VS2)

This publication describes the IBM 7080 Emulator Program, an "integrated emulator program" for IBM System/370 Models 165 and 168. The program executes under the MFT, MVT, VS1, or VS2 configuration of the operating system.

The publication contains the information needed to plan for and use the emulator program. The system planner can find information on planning the hardware configuration and generating the emulator. An applications programmer can find information on how the emulator program executes 7080 programs and handles 7080 data. The console operator can find information on emulator commands and messages for communicating with the emulator program.

Systems Library, 104 pages

SC27-6955

VIDEO/370 USERS GUIDE - PROGRAM PRODUCTS 5734-RC5, 5736-RC3

This manual provides the information that an operator requires to use VIDEO/370 for data entry and verification at the IBM 3275 Display Station.

VIDEO/370 is an IBM program product that allows data entry from local or remote display stations to provide data for application programs. Formats, commands, and checking features specified by the installation allow dynamic error correction by the operator.

This publication describes the operator's role in the VIDEO/370 system and special VIDEO/370 aspects of the display station; the basic commands are features available to all operators; procedures for data verification; optional VIDEO/370 commands that provide more extensive editing capabilities; error recovery procedures, including explanations of diagnostic messages sent to the operator; and a sample VIDEO/370 data entry session. A glossary defines terms used in the publication as they relate to VIDEO/370.

Prerequisite Publication: Operator's Guide for the IBM 3270 Information Display System, GC27-2739.

Manual, 96 pages

SC27-6960

VIDEO/370 SYSTEM INFORMATION MANUAL - PROG. NOS. 5736-RC3 AND 5734-RC5

This manual describes the installation and daily operation of VIDEO/370, a program product for entering data from display stations. The manual describes how to specify editing options, define a teleprocessing configuration, initialize files, design screen formats, extract entered data for application use, and obtain production reports.

The manual is intended primarily for the system programmer -- the person who understands his shop's requirements and will install and tailor VIDEO/370 accordingly. Parts of the manual are also intended for the system console operator, who will run the VIDEO/370 programs and respond to any messages. Supervisory personnel may find useful the material about VIDEO/370's reports program, which produces statistics on entry operator entry operator efficiency.

Manual, 216 pages

GC27-6967

PROGRAM PRODUCT SPECIFICATIONS VIDEO/370 OS - PROGRAM NUMBER 5734-RC5

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.

Specifications, 4 pages

GC27-6969

PROGRAM PRODUCT SPECIFICATIONS VIDEO/370 DOS - PROGRAM NUMBER 5736-RC3

The Program Product Specifications (PPS) describe the

warranted specifications of the subject Program Product. Specifications, 4 pages

programmer who is implementing programs for telecommunications applications.

Included are macro instruction formats and descriptions and specific information on device-dependent considerations.

For titles and abstracts of associated publications see the IBM System/370 Bibliography, GA22-6822. Manual, 392 pages

## GC27-6970

IBM SYSTEM/360 OPERATING SYSTEM PROBLEM DETERMINATION AIDS AND MESSAGES AND CODES FOR GPS AND GSP - PROGRAM NUMBERS AND MESSAGES AND CODES FOR GPS AND GSP - PROGRAM NUMBERS 360S-IO-523 AND 360S-LM-537

This manual contains aids for determining and solving problems that involve display programs that use either the Graphic Programming Services (GPS) for the IBM 2250 Display Unit and IBM 2260 Display Station or the Graphic Subroutines Package (GSP) for the IBM 2250 Display Unit. The aids are directed to the display operator, application programmer, system operator, system programmer, and system maintenance personnel.

The manual is divided into an introduction and six sections of problem determination aids:

- o Display Operator aids
- o Application programmer aids
- o Messages
- o Codes
- o Generalized trace facility
- o Problem-related data

The reader should be familiar with information in:

IBM System/360 Operating System:  
Graphic Programming Services (GPS) for the IBM 2250 Display Unit, GC27-6909

Graphic Programming Services (GPS) for the IBM 2260 Display Station (Local Attachment), GC27-6912

Graphic Subroutine Package (GSP) for FORTRAN IV, COBOL, and PL/I, GC27-6932.

System Reference Library Manual, 104 pages

## GC27-6975

IBM 2260 BTAM AND 2260 GAM TO IBM 3270 BTAM CONVERSION GUIDE - PROGRAM NUMBERS 360S-CQ-513, 360N-CQ-469

Users of the 2260 or 2265 display stations under DOS or OS who are considering the advantages of the 3270 display system should review this planning manual to understand what is involved in the conversion and what assistance is available from IBM. The book will aid installation managers, planners, and programmers.

This book brings together information on differences -- both programming and hardware -- that are basic to planning and carrying out conversion from 2260/2265 display stations to 3270 display stations. Dos and OS terminal control differences (for Basic Telecommunications Access Method and for Graphic Access Method) are summarized. For users who do not wish to completely rewrite their 2260 application programs, use of the IBM-provided 3270 BTAM data stream conversion macro instruction is described. Suggestions are given for user-written modifications to the data stream which, when used in conjunction with the conversion macro instruction, will give additional performance gains.

The 3270 system is a new family of display devices that offer improved response times and faster transactions at lower costs. The system is designed for the whole range of alphanumeric display applications, including inquiry applications, data-entry and order-entry applications, and system console applications.

Before using this publication the reader must be familiar with An Introduction to the IBM 3270 Information Display System, GA27-2739, and with the BTAM or GAM reference material for his application programs. SRL Conversion Guide, 96 pages

## GC27-6977

DOS PROGRAMMING SUPPLEMENT FOR THE 3270 INFORMATION DISPLAY SYSTEM - MANUAL

This publication contains system generation and storage estimate information for teleprocessing applications using the 3270 Information Display System and Release 26 of the Disk Operating System (DOS). The information is in the form of supplements for these DOS Release 26 publications:

- o DOS System Generation, GC24-5033
- o DOS Messages, GC24-5074
- o DOS OLTEP, GC24-5086

This publication also contains a list of other publications required to write applications involving the 3270; the most important of these publications are DOS Basic Telecommunications Access Method, GC30-5001-9 and IBM 3270 Information Display System Component Description, GA27-2749.

This publication is for system and application programmers planning or writing teleprocessing applications involving the 3270 and DOS Release 26. The information in this publication will be incorporated into other DOS publications in releases after Release 26. Manual, 20 pages

## GC27-6978

DOS VERSION 4 - BASIC TELECOMMUNICATIONS ACCESS METHOD MANUAL - PROGRAM NUMBER 370N-CQ-469

This publication describes the Basic Telecommunications Access Method (BTAM) used with the System/370 Disk Operating System (DOS) control program. BTAM provides the READ/WRITE level macro instructions for the assembler-language

## GC27-6983

7094 OS EMULATOR ON MODELS 165/168 REFERENCE PROGRAM NUMBER FOR OS/MFT AND OS/MVT - 360C-EU-740 AND PROGRAM NUMBER FOR OS/VS1 AND OS/VS2 - 5744-AM1

This manual describes the IBM 709/7090/7094/7094 II Emulator Program for the IBM System/370 Models 165, 165 II, and 168, and provides information needed to use the program. The emulator program executes object programs for the IBM 709, 7090, 7094, and 7094 II Data Processing Systems, and runs as a problem program under the MFT, MVT, VS1, or VS2 configurations of the operating system. The Model 165 or Model 165 II must be equipped with the IBM Compatibility Feature #7119. The Compatibility Feature for the Model 168 is #7129. The emulator program uses the compatibility feature to perform the more complex and frequently occurring processes of emulation.

The manual also describes three programs that are distributed with the emulator: the tape preprocessor program, the tape postprocessor program, and the emulator system-output writer. The preprocessor and postprocessor programs are data manipulation programs that change the format of 7094 data. The writer prints 7094 data spooled on the SYSOUT data set.

System planners and programmers should use this manual for planning, generating, using, and modifying the emulator. Programmers responsible for executing 7094 programs should use the manual for instructions on processing 7094 data and executing the emulator. System operators should use the manual for instructions on how to communicate with the emulator program. All messages issued by the emulator and the data manipulation programs are included in an appendix.

Programmers and planners should be experienced with the IBM 709, 7090, 7094, or 7094 II Data Processing System and with the operating system, having a working knowledge of the MFT, MVT, VS1 or VS2 configuration. Manual, 96 pages

## GC27-6999

AN INTRODUCTION TO PROGRAMMING THE IBM 3270

Provides the information required to program the IBM 3270 Information Display System.

Programming the 3270 includes designing the panel, building and coding the data stream, analyzing data, designing the line control program, and handling error recovery.

The intended audience is the systems and application programmers who install the 3270 and tailor it to the needs of their installations.

The first section of the book describes screen design. Fields and attributes are discussed, as well as data streams, orders, and the use of such 3270 features as program attention keys and the Selector Pen. The second section describes screen management by means of decoding and generating data streams, mapping, building output data streams, and the automatic copy function. The third section discusses device management. The master terminal program is described, as well as reliability and error recovery procedures such as sense/status analysis. Manual, 112 pages

## GC28-2000

IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER LANGUAGE

This publication describes the IBM System/360 Time Sharing System Assembler Language, a symbolic programming language used to write programs for IBM System/360. The language provides a convenient means for representing the machine instructions and related data necessary to program the IBM System/360, especially as related to Time Sharing System/360 (TSS/360). The TSS/360 Assembler Program processes the language and provides auxiliary functions for preparing and documenting a program; the Assembler includes facilities for processing the assembler macro language. Systems Reference Library Manual, 132 pages

## GC28-2001

IBM SYSTEM/360 TIME-SHARING SYSTEM COMMAND SYSTEM USER'S GUIDE

This publication contains information on the Command System in Time Sharing System/360. It gives to the user the facilities he needs for constructing, executing, and debugging his programs; also, he can create, modify, share, and copy data sets; he can move them to or from input/output devices. The user can modify and add to the IBM-supplied command system to meet his specific requirements. Systems Reference Library Manual, 250 pages

## GC28-2003

IBM SYSTEM/360 TIME SHARING SYSTEM CONCEPTS AND FACILITIES

Time Sharing System/360 is a comprehensive programming system used in conjunction with IBM System/360 computers that have time-sharing features. TSS/360 comprises a supervisory program, a group of service programs, and a group of user programs. The supervisory program controls operation of the system and provides the time-sharing

environment. The service programs perform task- and data-management functions in response to user or system requests. The user programs perform language processing, linkage editing, and other work defined by the user's problem programs.

The primary purpose of TSS/360 is to provide many users with simultaneous conversational (on-line) access to a computing system that may have a single processor, or multiple processors. The combination of machine and program features gives each user the impression that he has sole possession of the system. He uses the system as if it had a directly accessible main-storage addressing space equal to the addressing capability of the system, rather than its actual main-storage capacity.

While the system is operating conversationally, for many simultaneous users, it can also operate nonconversationally, with batch-type processing jobs, in the background.

Systems Reference Library Manual, 76 pages

GC28-2004

IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER USER MACRO INSTRUCTIONS - SYSTEMS REFERENCE LIBRARY

IBM System/360 Time Sharing System provides comprehensive program and data management services which, together with communication, bulk output, and interruption handling services, are requested through macro-instructions. These macro-instructions are written in the assembler language as an aid to programming and processing time-shared tasks. Systems Reference Library Manual, 272 pages

GC28-2005

IBM SYSTEM/360 TIME-SHARING SYSTEM LINKAGE EDITOR

This publication describes the linkage editor, an optional service program available for the IBM System/360 Time Sharing System (TSS/360). The linkage editor connects and edits program modules that have been assembled or compiled separately to produce a single program module that can be efficiently loaded by the dynamic loader at execution time. Linkage editor facilities are illustrated in conversational and nonconversational modes of operation. Systems Reference Library Manual, 54 pages

GC28-2006

IBM SYSTEM/360 TIME-SHARING SYSTEM TIME SHARING SUPPORT SYSTEM

This publication describes the Time Sharing Support System and the command language used to operate it. This system is used only by system programmers with authority code O or P and is not intended to be available to any other Time Sharing System/360 users; consequently, this manual contains no information required by users other than properly authorized system programmers.

The Time Sharing Support System is an on-line program error analysis facility that provides the capability of collecting data from the Time Sharing System/360 for analysis and of altering the Time Sharing System/360 storage and machine registers. These functions may be performed on command from a terminal or dynamically during TSS/360 execution; and the programs, tables, and control blocks of real, virtual, and secondary storage can be referenced. Systems Reference Library Manual, 64 pages

GC28-2007

IBM SYSTEM/360 TIME-SHARING SYSTEM FORTRAN IV

This publication describes and illustrates the use of the IBM FORTRAN IV language for the IBM System/360 Time Sharing System (TSS/360).

The IBM FORTRAN IV language is a symbolic programming language that parallels the symbolism and format of mathematical notation. It provides many programming features and facilities that can be used to express as a meaningful FORTRAN program the method of solution of a mathematical problem.

Systems Reference Library Manual, 118 pages

GC28-2008

IBM SYSTEM/360 TIME SHARING SYSTEM SYSTEM PROGRAMMER'S GUIDE

IBM System/360 Time Sharing System (TSS/360) makes a distinction between user and system programmers. This publication is specifically intended for persons responsible for maintaining, modifying, or extending the system and discusses:

1. Operating environment
2. Program structure
3. Coding practices and conventions
4. Privileged supervisor call instructions
5. Serviceability aids
6. System macro definitions
7. Changing TSS/360
8. Privilege Class E

Systems Reference Manual, 248 pages

GC28-2010

IBM SYSTEM/360 TIME-SHARING SYSTEM SYSTEM GENERATION AND MAINTENANCE

This publication explains how an installation generates and maintains IBM System/360 Time Sharing System (TSS/360).

System generation is the process of specifying and creating an installation adapted TSS/360. An operable

time-sharing system is necessary for system generation. Initially, a basic system is provided.

System maintenance is the procedure for incorporating changes to TSS/360.

This publication presents:

- The construction of the basic TSS/360;
- The method of specifying, through SYSGEN macro instructions, such installation-dependent information as machine configuration, task-management requirements, and command-language default specifications;
- The application of this information to create a new TSS/360;
- The maintenance process for TSS/360;
- The method of dynamically modifying TSS/360 for the duration of a startup-to-shutdown session.

Systems Reference Library Manual, 92 pages

GC28-2017

IBM SYSTEM/360 TIME SHARING SYSTEM VERSION 8.1: TERMINAL USER'S GUIDE

This manual gives instruction for operating the IBM 2741 Communications Terminal, the IBM 1050 Data Communications System and the teletypewriter terminal with the IBM System/360 Time Sharing System. It is intended for programmers, system managers, and system administrators who use terminals in the IBM System/360 Time Sharing System. Manual, 32 pages

GC28-2023

IBM SYSTEM/360 TIME SHARING SYSTEM MASTER INDEX

This index has been compiled from the indexes of the existing SRL publications that describe the IBM System/360 Time Sharing System. It is a subject index that refers the reader to the individual publications. Actual page references will be found in the individual indexes. Systems Reference Library Manual, 108 pages

GC28-2024

IBM SYSTEM/360 TIME-SHARING SYSTEM MANAGER'S AND ADMINISTRATOR'S GUIDE

This manual provides detailed information on the command system as used by system managers and system administrators in Time Sharing System/360. They share an identical set of commands with which they control access to the time sharing system.

Systems Reference Library Manual, 36 pages

GC28-2025

IBM SYSTEM/360 TIME-SHARING SYSTEM FORTRAN PROGRAMMER'S GUIDE

This publication describes how to use the IBM System/360 Time Sharing System (TSS/360) for compiling and executing programs written in the FORTRAN IV language. It also describes how to use the services and features of TSS/360 that, while not directly related to FORTRAN programming, are frequently of use to the FORTRAN programmer. Systems Reference Library Manual, 184 pages

GC28-2026

IBM SYSTEM/360 TIME SHARING SYSTEM FORTRAN IV LIBRARY SUBPROGRAMS

This publication describes the FORTRAN IV library subprograms provided with IBM System/360 Time Sharing System (TSS/360) and provides the information necessary to use the subprograms in either a FORTRAN IV or an assembler-language program. System Reference Library Manual, 72 pages

GC28-2028

IBM SYSTEM/360 TIME SHARING SYSTEM TEST AND MAINTENANCE USER'S GUIDE - PROGRAM NUMBER 360G-CL-627

This publication describes, for the IBM System/360 Time Sharing System (TSS/360), how to use the On Line Test System (OLTS), and how to retrieve system error recordings using the Error Recording Edit and Print (EREPS7/UMEREP) procedure. Device partitioning and system quiescence are described, and the error recordings interpreted.

This publication is meant for use by system monitor and/or maintenance personnel. It may be used to determine the hardware component responsible for failures, and in the testing of the component. Systems Reference Library Manual, 8-1/2 x 11, 72 pages

GC28-2032

IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER PROGRAMMER'S GUIDE

This publication explains the use of Time Sharing System/360 (TSS/360) for assembler language applications programmers. It describes how to assemble, store, and execute programs in TSS/360, as well as how to identify data sets, process them as input/output in problem programs, and manipulate them in various ways (such as erasing, copying, modifying, and cataloging them).

Task Management and Data Set Management are described so that the reader may efficiently utilize the time sharing facilities. Both System-supplied and user-defined commands are shown, including the flexibility of the Text Editor, the BUILTIN command, PROCDEF, and the User Profile. Systems Reference Library Manual, 206 pages

GC28-2033

IBM SYSTEM/360 TIME-SHARING SYSTEM OPERATOR'S GUIDE  
This manual provides detailed information on the functions of the system operator for the time sharing, and on the facilities of the common language reserved for the operators. The system operator has a set of commands which he controls and monitors the system configuration and handles system requests.  
Systems Reference Library Manual, 58 pages

GC28-2034

IBM SYSTEMS/360 TIME SHARING SYSTEM MULTITERMINAL TASK PROGRAMMING AND OPERATION  
PROGRAM NUMBER 360S-CI-555  
This publication describes how to create a multiterminal (MTT) task, which will run under the IBM System/360 Time Sharing System (TSS/360). It also explains how to write an MTT application program, and how to connect it to a multiterminal task.  
The publication is meant for use by TSS/360 installations as a reference book for persons responsible for administering and/or writing an MTT application program.  
Manual, 48 pages

GC28-2037

IBM SYSTEM/360 TIME SHARING SYSTEM: SYSTEM MESSAGES  
The IBM System/360 Time Sharing System provides for a dialogue between the user and the system. The system participates in this dialogue with a series of messages, which provide the recipient with the information he requires to fulfill his task. These messages may be received at a remote terminal in the conversational mode, in the data set created as part of the output of a nonconversational task, or at the operator's terminal in the machine room.  
This publication lists and explains all of the messages issued by all IBM-supplied components of the IBM System/360 Time Sharing System. Furthermore, it contains additional information with each message, such as the identification code of the modules issuing and determining the need for the message, the transmittal technique, and where appropriate the format of the associated dump or the completion code.  
Systems Reference Library Manual, 688 pages

GC28-2038

IBM SYSTEM/360 TIME-SHARING SYSTEM INDEPENDENT UTILITIES  
This publication discusses the uses of the independent utility programs that support IBM System/360 Time Sharing System (TSS/360), their features, functions, capabilities, control statements, and record formats. The TSS/360 independent utility programs are: direct-access storage device initialization (DASDI), direct-access storage device dump/restore (DASDDR), direct-access print (DADUMP), and core dump.  
Systems Reference Library Manual, 32 pages

GC28-2043

IBM SYSTEM/360 TIME-SHARING SYSTEM ADDENDUM  
PROGRAM NUMBER 360S-CI-555  
This addendum presents the specifications for program changes that have been made recently to the IBM System/360 Time Sharing System (TSS/360).  
This addendum should be regarded as a required supplement to the present TSS/360 publications.  
Systems Reference Library Manual, 18 pages

GC28-2044

IBM SYSTEM/360 TIME-SHARING SYSTEM PLANNING FOR REMOTE JOB ENTRY  
This is a planning aid to be used prior to the availability of the remote job entry feature of IBM System/360 Time Sharing System.  
Remote job entry provides all central TSS/360 batch processing facilities to remote locations. The input/output device used at remote stations is an IBM 2780 Data Transmission Terminal, Model 1.  
Systems Reference Library Manual, 16 pages

GC28-2045

IBM SYSTEM/360 TIME-SHARING SYSTEM PL/I REFERENCE MANUAL  
PROGRAM NUMBERS 360G-CL-625 360G-CL-626  
This publication is a companion volume to IBM System/360 Time Sharing System: PL/I Programmer's Guide, Order GC28-2049. Together the two books form a guide to the writing and execution of PL/I programs under the control of an IBM System/360 Time Sharing System that includes the PL/I compiler.  
Systems Reference Library Manual, 332 pages

GC28-2046

IBM SYSTEM/360 TIME-SHARING SYSTEM PL/I LIBRARY COMPUTATIONAL SUBROUTINES - PROGRAM NUMBER 360G-CL-627  
This publication gives details of the computational subroutines available in the PL/I Library. These subroutines are used by the PL/I compiler in the implementation of PL/I built-in functions and of the operators used in the evaluation of PL/I expressions. Not all PL/I built-in functions and expression operators are supported by the PL/I Library; the compiler generates in-line code for a small number of them. The details provided

include summaries of the mathematical methods used, and (where appropriate) figures for range and accuracy.  
Systems Reference Library Manual, 56 pages

GC28-2048

IBM SYSTEM/360 TIME SHARING SYSTEM INTRODUCING TSS/360 A PRIMER FOR FORTRAN USERS  
PROGRAM NUMBER 360S-CI-555  
A subset of Time Sharing System/360 (TSS/360) is presented in this book to allow use of basic system facilities without an extensive knowledge of the command system, by which system functions are invoked. The reader of the book is presumed to have at least a basic knowledge of FORTRAN. In addition, the user profile under which the reader will use TSS/360 should be altered as explained in Appendix B. This can be done by the reader himself, if necessary; preferably, however, it should be done by someone in a supervisory or tutorial relationship to the reader.  
The altered user profile can be changed again by the reader if he progresses to using the full command system. The full system is explained in other books of the TSS/360 Systems Reference Library.  
This book contains basic information on the three kinds of terminals that can be used with TSS/360.  
Manual, 60 pages

GC28-2049

IBM SYSTEM/360 TIME SHARING SYSTEM PL/I PROGRAMMER'S GUIDE  
This publication is a comparison volume to IBM System/360 Time Sharing System PL/I Language Reference Manual, Order No. GC28-2045. Together the two books form a guide to the writing and execution of PL/I programs under the control of an IBM System/360 Time Sharing System that includes a PL/I Compiler. This publication is concerned with the relationship between a PL/I program and the Time Sharing System. It explains how to compile and execute a PL/I program, and introduces the command system, data management, and other essential features of TSS/360.  
Systems Reference Library Manual, 150 pages

GC28-2056

IBM SYSTEM/360 TIME SHARING SYSTEM DATA MANAGEMENT FACILITIES  
The Data Management facilities of TSS/360, described in this manual provide the users with standardized methods for handling collections of data, while taking maximum advantage of the Time-Shared environment in which they operate.  
Systems Reference Library Manual, 80 pages

GC28-2057

IBM SYSTEM/360 TIME SHARING SYSTEM REMOTE JOB ENTRY  
Remote Job Entry (RJE) allows users at remote locations to submit punched-card input to, and receive printed output from, the central TSS/360 installation.  
RJE users can enter card decks in the same format as that used at the local, online card reader.  
Nonconversational SYSIN data sets can be entered for execution, and data-card card decks can be entered and stored as virtual storage data sets. Output can be returned to the originating location or routed to the installation's high-speed printer. SYSOUT data sets are returned to the originating location unless redirected by the system operator.  
This publication describes RJE concepts, terminology, and procedures. Information required by users at remote locations, including RJE control statements, is presented; also, commands used by the system manager, system administrator, and system operator to control the RJE system are described.  
Systems Reference Library Manual, 50 pages

GC28-6380

IBM SYSTEM/360 OPERATING SYSTEM COBOL (F) PROGRAMMER'S GUIDE  
PROGRAM NUMBER 360S-CB-524 360S-LM-525  
This publication describes how to compile, linkage edit, and execute a COBOL (F) Program. The text also describes the output from each of these. In addition it explains options of the compiler and many available features of the operating system.  
Systems Reference Library Manual, 226 pages

GC28-6394

DOS FULL ANS COBOL, PROG. NOS. 360N-CB-482 (V1 & V2), 5736-CB2, LM2 (V3), 5746-CB1, LM4 (DOS/V5)  
COBOL (CCommon Busines Oriented Language) is a programming language, similar to English, that is used for commercial data processing. It was developed by the Conference On Data Systems Languages (CODASYL). The U. S. A. standard of the language is USA Standard COBOL, X3.23-1968, as specified by the United States of America Standards Institute (USASI).  
IBM System/360 Disk Operating System USASI COBOL incorporates the eight processing modules defined in the USA standard. These modules include: Nucleus, Table Handling, Sequential Access, Random Access, Sort, Report Writer, Segmentation, and Library. A significant number of IBM extensions are implemented as well. The IBM implementation of USA Standard COBOL also complies with the first Draft ISO Recommendation on COBOL.  
This publication gives the programmer the rules for

writing programs that are to be compiled by the IBM USASI COBOL compiler under the Disk Operating System. It is meant to be used as a reference manual in the writing of IBM USASI COBOL programs.  
Systems Reference Library Manual, 360 pages

GC28-6395

IBM SYSTEM/360 COBOL DIFFERENCES USA STANDARD COBOL CONVERSION

This publication summarizes the differences between the current IBM System/360 COBOL languages -- COBOL D, COBOL E, and COBOL F -- and the IBM COBOL languages conforming to the full USA Standard COBOL -- IBM System/360 Operating System USASI COBOL and IBM System/360 Disk Operating System USASI COBOL. It also summarizes new features offered in the IBM USASI COBOL languages.

This Differences Manual is meant to be a supplementary reference manual. Therefore, it is advisable that it be used only in conjunction with the IBM USASI COBOL Language Manuals.  
Systems Reference Library Manual, 52 pages

GC28-6396

IBM OS FULL AMERICAN NATIONAL STANDARD COBOL SYSTEM LIBRARY MANUAL - PROGRAM NUMBERS: VERSION 2 360S-CB-545 VERSION 3 5734-CB1 VERSION 4 5734-CB2 (COMPILER AND LIBRARY) 5734-LM2 (LIBRARY ONLY)

This publication describes all current versions of IBM OS Full American National Standard COBOL -- Versions 2, 3, and 4. It gives the programmer the rules for writing programs that are to be compiled by the IBM Full American National Standard COBOL compilers under the Operating System. It is meant to be used as a reference manual in the writing of IBM American National Standard COBOL programs.  
Manual, 503 pages

GC28-6397

IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV PROGRAMMER'S GUIDE PROGRAM NUMBERS 360N-FO-479 360N-LM-480

This publication describes the procedures for compiling and executing FORTRAN programs under control of the Disk Operating System. Its purpose is to guide the programmer with examples and techniques of the FORTRAN language. It also exposes the user to the components of the control program and facilities of the IBM System/360 Disk Operating System.  
Manual, 100 pages

GC28-6398

IBM SYSTEM/360 DISK OPERATING SYSTEM, FULL AMERICAN NATIONAL STANDARD COBOL: PROGRAMMER'S GUIDE, PROG. NO. 360N-CB-482

This publication describes how to compile, linkage edit, and execute a USA Standard COBOL program under the control of the IBM System/360 Disk Operating System. The text also describes the output from each of these steps. In addition, it explains features of the compiler and available options of the operating system.  
Systems Reference Library Manual, 236 pages

GC28-6399

AMERICAN NATIONAL STANDARD COBOL PROGRAMMER'S GUIDE

This publication describes how to compile an American National Standard COBOL X3.23-1968 program using Version 2 of the IBM System/360 Operating System Full COBOL compiler. It also discusses how to linkage edit or load and execute the program under control of the IBM System/360 Operating System. There is a description of the output of each of these steps, i.e., compile, load, linkage edit, and execute. In addition, there is an explanation of the features of the compiler and available options of the operating system. Note that American National Standard COBOL was formerly known as USA Standard COBOL.  
Systems Reference Library Manual, 279 pages

GC28-6400

IBM CONVERSION AIDS: COBOL-TO-AMERICAN NATIONAL STANDARD COBOL LANGUAGE CONVERSION PROGRAM PROGRAM NUMBERS 360N-CV-489, 360C-CV-713

This publication describes the IBM COBOL Language Conversion Programs (COBOL LCP). The COBOL LPCS translate existing IBM System/360 COBOL input programs into USA Standard COBOL input programs. COBOL D programs are translated into DOS USA Standard COBOL programs; COBOL E and F programs are translated into OS USA Standard COBOL programs. The LPCS are distributed as problem programs which operate under IBM System/360 Disk Operating System and IBM System/360 Operating System.  
Systems Reference Library Manual, 98 pages

GC28-6402

IBM SYSTEM/360 DISK OPERATING SYSTEM: AMERICAN NATIONAL STANDARD SUBSET COBOL COMPILER GENERAL INFORMATION

This publication provides an introduction to the features of the IBM Subset American National Standard COBOL Compiler and Library, Release 2, a program product that operates under the IBM Disk Operating System. Included are a summary of the characteristics of the compiler, examples of some of the features of the language, and planning

information on system requirements and compatibility characteristics.

This publication is written for installation analysts and planners. It provides them with a basis for general planning and for evaluating this product in relation to their needs. It is not meant to describe the language fully. A complete description is available in the publication IBM DOS Subset American National Standard COBOL, Order No. GC28-6403.  
Program Product Manual, 12 pages

GC28-6403

IBM SYSTEM/360 DISK OPERATING SYSTEM: AMERICAN NATIONAL STANDARD SUBSET COBOL PROGRAM NUMBER 5736-CB1

COBOL (Common Business Oriented Language) is a programming language, similar to English, that is used for commercial data processing. It was developed by the Conference on Data Systems Languages (CODASYL). The U. S. A. standard of the language is American National Standard COBOL, X3.23-1968, (formerly known as USA Standard COBOL), as approved by the American National Standards Institute (ANSI).

IBM System/360 Disk Operating System American National Standard Subset COBOL incorporates six processing modules of the full American National Standard. These modules are:

Nucleus	2NUC 1,2
Sequential Access	2SEQ 1,2
Random Access	2RAC 0,2
Table Handling	2TBL 1,3
Library	1LIB 0,2
Segmentation	1SEG 0,2

A significant number of IBM extensions to these modules are implemented as well; these extensions are printed on a shaded background.

This publication gives the programmer the rules for writing programs that are to be compiled by the IBM American National Standard Subset COBOL compiler under the Disk Operating System. It is meant to be used as a reference manual in the writing of IBM American National Standard COBOL programs.  
Manual, 20 pages

GC28-6406

IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD (ANS) COBOL COMPILER VERSION 3 DESIGN OBJECTIVES SHEET, PROGRAM NUMBER 5734-CB1

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.  
Design Objectives, 2 pages

GC28-6407

IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3: GENERAL INFORMATION, PROG. NO. 5734-CB1

This publication gives general information about the IBM System/360 Operating System American National Standard Full COBOL Compiler and Library, Version 3, an implementation compatible with the highest level of American National Standard COBOL. The Version 3 Compiler and Library is a Program Product that operates under control of the IBM System/360 Operating System. Included here are brief descriptions of the compiler's features, as well as information on operating system requirements and machine configuration.

This publication is intended as an aid in evaluation and planning; it is not meant for the COBOL programmer. Publications for the COBOL Programmer will be provided when the IBM System/360 Operating System American National Standard Full COBOL Compiler and Library, Version 3, becomes available.  
Manual, 20 pages

GC28-6408

IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4 - PPDO - PROG. NOS. 5734-CB2, -LM2

The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
Flyer, 4 pages

GC28-6420

IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER, VERSION 3: PPDO, PROG. NO. 5736-CB2

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.  
Design Objectives, 2 pages

GC28-6421

IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, RELEASE 2, GENERAL INFORMATION PROG. NOS. 5736-CB2 (COMPILER), 5736-LM2 (LIBRARY) GENERAL INFORMATION

This publication gives general information about the IBM System/360 Disk Operating System American National Standard Full COBOL Compiler Version 3, an implementation compatible with the highest level of American National Standard COBOL, and its associated COBOL object-time Subroutine library. The Version 3 Compiler and the Subroutine Library are Program Products that operate under control of the IBM

System/360 Disk Operating System. Included here are brief descriptions of the compiler's features and a description of the Subroutine Library, as well as information on operating system requirements and machine configuration.

This publication is intended as an aid in evaluation and planning; it is not meant for the COBOL programmer. Publications for the COBOL programmer will be provided when the IBM System/360 Disk Operating System American National Standard Full COBOL Compiler Version 3 and the Subroutine Library become available.  
General Information Manual

GC28-6428

IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL OBJECT-TIME SUBROUTINE LIBRARY, PROG. NO. 5736-LM2 DESIGN OBJECTIVES  
This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.  
Design Objectives, 2 pages

GC28-6429

IBM SYSTEM/360 OPERATING SYSTEM LINKAGE EDITOR (E): INSTALLATION REFERENCE MATERIAL, PROG. NO. 360S-ED-510  
The Linkage Editor (E) is released as an independent component intended for installation under the IBM System/360 Operating System. The minimum engineering change level required for implementation of the component is the same as that required for Release 18 of the Operating System. No functional or performance enhancements over the Release 18 version of the Linkage Editor (E) have been incorporated into this component and none are planned for the future.  
This publication defines the procedure necessary to install the Linkage Editor (E) in an existing operating system. It is intended for use by system programmers or planners who supervise the generation and maintenance of an installation's operating system. Information on using the Linkage Editor (E) can be found in IBM SYSTEM/360 OPERATING SYSTEM: LINKAGE EDITOR AND LOADER, Form GC28-6538-8. The internal logic of the Linkage Editor (E) is described in IBM SYSTEM/360 OPERATING SYSTEM: LINKAGE EDITOR (E) PROGRAM LOGIC MANUAL, Form GY28-6610.  
Systems Reference Library Manual, 12 pages

GC28-6430

IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (E) COMPILER, INSTALLATION REFERENCE MATERIAL, PROGRAM NUMBER 360S-FG-092  
The Basic FORTRAN IV (E) compiler is released as an independent component that requires installation under the IBM System/360 Operating System. The minimum engineering change level required for implementation of the component is the same as that required for Release 18 of the operating system. No functional or performance enhancements over the Release 18 version of the Basic FORTRAN IV (E) compiler have been incorporated into this component and none are planned for the future.  
This publication describes the procedure for installing the Basic FORTRAN IV (E) compiler in an existing operating system. It is intended for use by system programmers or planners who supervise the generation and maintenance of an installation's operating system. Information on using the compiler can be found in IBM SYSTEM/360 OPERATING SYSTEM: BASIC FORTRAN IV (E) PROGRAMMER'S GUIDE, Form GC28-6603. The internal logic of the compiler is described in IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (E) PROGRAM LOGIC MANUAL, Form GY28-6601.  
Systems Reference Library Manual, 16 pages

GC28-6431

OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4, PLANNING GUIDE - PROGRAM NOS. 5734-CB2, -LM2  
The IBM OS Full American National Standard COBOL Compiler and Library, Version 4, is a Program Product that accepts as input source programs written in OS Full American National Standard COBOL, Version 4. Each of the new features of the Version 4 Compiler is described in a separate chapter of this publication. The features are:

- Symbolic Debugging
- Optimized Object Code
- Teleprocessing
- COBOL Library Management Facility
- Dynamic Subprogram Linkage
- Syntax-Checking Compilation
- String Manipulation

System considerations and a description of the COBOL Object-time Subroutine Library are also included.

The Version 4 Compiler also contains all of the features of previous versions and is compatible with the highest level of American National Standard COBOL, X3.23-1968, as approved by ANSI; American National Standard COBOL is compatible with, and identical to, the proposed international standard of the language, Draft ISO Recommendation No. 1989 -- Information Processing -- Programming Language COBOL. The new COBOL language elements of the Version 4 Compiler are IBM extensions to those standards.

This publication is a planning aid for system planners and analysts, and for COBOL programmers. It is intended for use prior to the availability of the Version 4 compiler, and will be supplemented

with reference documentation when the Version 4 Compiler becomes available.  
Guide, 92 pages

SC28-6432

IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, INSTALLATION REFERENCE MANUAL, PROGRAM NUMBER 5734-CB1

This publication contains system related information needed to make the most effective use of the Program Product IBM Full American National Standard COBOL Compiler and Library Version 3, under the control of the IBM System/360 Operating System.

This publication consists of three sections. The first two sections, "Program Product Installation" and "Storage Estimates", are directed to the system programmer or planner who is responsible for operating system generation and maintenance. The third section, "Operating Instructions", is directed to the console operator. Each section is designed to be used with an existing IBM System/360 Operating System publication.

"Program Product Installation" describes the system requirements for the compiler and the procedure needed to add the compiler to an operating system. This section supplements IBM System/360 Operating System: System Generation, Order No. GC28-6554. A module summary is also included.

"Storage Estimates" defines the storage required by the compiler. This section supplements IBM System/360 Operating System: Storage Estimates, Order No. GC28-6551.

"Operating Instructions" describes certain messages the console operator may be required to answer and presents information on Multiple Console Support (MCS). This section supplements IBM System/360 Operating System: Operator's Reference, Order No. GC28-6691.  
Manual, 8-1/2 x 11, 38 pages

SC28-6433

IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION COBOL PROMPTER TERMINAL USER'S GUIDE AND REFERENCE INFORMATION, PROGRAM NUMBER 5734-CP1

This publication describes how to use the COBOL Prompter to invoke the Program Product IBM Full American National Standard COBOL Compiler and Library, Version 3, under Operating System/360 TSO.

This publication is directed to the COBOL programmer, who is working at a time sharing terminal and is familiar with the Time Sharing Option.

Section 1 contains procedures for using the prompter and debugging at the terminal as well as a summary of data set naming conventions and sample terminal sessions. Messages to the terminal user are described. This section supplements IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION TERMINAL USER'S GUIDE, Order No. GC28-6763.

"Section 2: Reference Information" describes the COBOL command that invokes the prompter. This section is designed to be inserted in IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND LANGUAGE REFERENCE, Order No. GC28-6732.  
Manual, 8-1/2 x 11, 54 pages

SC28-6434

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) COBOL PROMPTER INSTALLATION REFERENCE MATERIAL, PROGRAM NUMBER 5734-CP1

This publication contains system related information needed to make the most effective use of the COBOL prompter to invoke the Program Product IBM Full American National Standard COBOL Compiler, Version 3. The prompter operates under the control of the Time Sharing Option (TSO) of the IBM System/360 Operating System.

The information in this manual is directed to the system programmer or planner responsible for operating system generation and maintenance. Each of the three sections is designed to be used with an existing IBM System/360 Operating System publication.

"Program Product Installation" describes the system requirements for the prompter and the procedure needed to add the prompter to an operating system. This section supplements IBM System/360 Operating System: System Generation, Order No. GC28-6554. A module summary is included.

"Storage Estimates" defines the storage required by the prompter. This section supplements IBM System/360 Operating System: Storage Estimates, Order No. GC28-6551.

"System Programming Techniques" describes a LOGON procedure that can be used to expedite compilation of a COBOL program under TSO. Instructions on how to help the terminal user respond to prompter messages are also given. This section supplements IBM System/360 Operating System: System Programmer's Guide, Order No. GC28-6691.  
Manual, 38 pages

GC28-6435

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) COBOL PROMPTER PROGRAM PRODUCT SPECIFICATIONS, PROGRAM NUMBER 5734-CP1

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 2 pages



- GC28-6436  
IBM SYSTEM/360 OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, PROGRAM PRODUCT SPECIFICATIONS (PPS) - PROGRAM NUMBER 5734-CB1  
 This flyer describes 360 ANS COBOL Version 3 specifications for OS.  
 Flyer, 4 pages
- SC28-6437  
IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, PROGRAMMER'S GUIDE - PROGRAM NUMBER 5734-CB1  
 This programmer's guide describes the programming and use of ANS COBOL Version 3 under OS/360.  
 Manual, 340 pages
- SC28-6438  
IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBER 5736-CB1  
 This publication contains system related information needed to install the IBM Subset American National Standard COBOL Compiler and Library, a program product that operates under control of the IBM System/360 Disk Operating System.  
 This manual consists of two sections. The first section, "Program Product Installation," is directed to the system programmer or planner who is responsible for operating system generation and maintenance. The second section, "Operator Messages," is directed to the console operator. Each section is designed to supplement an existing IBM System/360 Disk Operating System publication.  
 "Program Product Installation" describes the system requirements, work file requirements, IOCS module requirements, and storage requirements for the Subset COBOL Compiler and Library. The installation procedure needed to add the compiler and library to an existing operating system is also described. This section supplements DOS System Generation and Maintenance, Order No. GC24-5033.  
 "Operator Messages" describes the messages to the console that the operator may be required to answer. This section supplements DOS Messages and Communications, Order No. GC24-5074.  
 Program Product Manual, 40 pages
- SC28-6439  
IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY PROGRAMMER'S GUIDE - PROGRAM NUMBER 5736-CB1  
 This publication describes how to compile an American National Standard COBOL X3.23-1968 Program using the IBM S/360 Disk Operating System Subset American National Standard COBOL compiler. It also describes how to link edit the resulting object module, and execute the program. Included is a description of the output from each of these three steps: compile, link edit, and execute. In addition, this publication explains features of the compiler and available options of the operating system.  
 Program Product Manual, 230 pages
- SC28-6441  
IBM SYSTEM/360 DISK OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3 SYSTEM REFERENCE LIBRARY PROGRAMMER'S GUIDE PROGRAM NUMBERS 5736-CB2, 5736-LM2  
 This publication describes how to compile an American National Standard COBOL X3.23-1968 program using the Program Product IBM System/360 Disk Operating System Full American National Standard COBOL Compiler, Version 3. It also describes how to link edit the resulting object module, and execute the program. Included is a description of the output from each of these three steps: compile, link edit, and execute. In addition, this publication explains features of the Version 3 Compiler and Library, and available options of the operating system.  
 Manual, 272 pages
- SC28-6442  
IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3 INSTALLATION REFERENCE MATERIAL PROG. NOS. 5736-CB2, 5736-LM2  
 This publication contains system related information needed to make most effective use of the Program Product IBM Full American National Standard COBOL Compiler, Version 3, and its associated COBOL Object-time Subroutine Library under the control of the IBM Disk Operating System.  
 This publication contains two sections. The first section, "Program Product Installation," is directed to the system programmer or planner who is responsible for operating system generation and maintenance. It describes the system requirements, work file requirements, IOCS module requirements, and storage requirements for the Version 3 compiler and library. It also describes the installation procedure for adding the compiler and library to an existing operating system. This section supplements DOS System Generation, Order No. GC24-5033.  
 The second section, "Operator Messages," is directed to the console operator. Each section is designed to supplement an existing IBM Disk Operating System Publication.  
 Manual, 70 pages
- GC28-6443  
IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER VERSION 3 SYSTEM REFERENCE LIBRARY PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-CB2  
 These program product specifications refer to IBM System/360 Disk Operating System Full American National Standard COBOL Compiler Version 3 (5736-CB2).  
 Specifications, 2 pages
- GC28-6444  
IBM SYSTEM/360 DISK OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL OBJECT TIME SUBROUTINE LIBRARY PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-LM2  
 Specification sheet for program named in title.  
 Specification Sheet, 1 page
- GC28-6450  
IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY (PROGRAM PRODUCT SPECIFICATIONS) PROGRAM NUMBER 5736-CB1  
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
 Program Product Specifications, 4 pages
- GC28-6454  
IBM OS COBOL INTERACTIVE DEBUG AND (TSO) COBOL PROMPTER GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5734-CB4, 5734-CP1  
 This publication is directed to data processing system planners and analysts. It is intended as an aid in evaluation in planning for the use of IBM OS COBOL Interactive Debug and/or the IBM OS (TSO) COBOL Prompter.  
 These two program products operate under the Time Sharing Option (TSO) of the IBM Operating System. Detailed planning information for TSO can be found in the publication IBM System/360 Operating System: Time Sharing Guide, Order No. GC28-6698.  
 Both program products are designed for use with the program products IBM OS Full American National Standard COBOL Compiler, Version 4, and the IBM OS Full American National Standard COBOL Object-time Subroutine Library, Version 4. The TSO COBOL Prompter can also be used with the program product IBM OS Full American National Standard COBOL Compiler and Library, Version 3.  
 The COBOL Interactive Debug program and the COBOL Prompter can be used under any release of the Operating System that supports TSO.  
 Manual, 24 pages
- SC28-6456  
IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY VERSION 4, PROGRAMMER'S GUIDE - PROGRAM PRODUCTS 5734-CB2 AND 5734-LM2  
 This publication describes how to compile an American National Standard COBOL X3.23-1968 program using Version 4 of the IBM Operating System Full American National Standard COBOL compiler. It also discusses how to link edit and execute or load the program under control of the IBM Operating System. There is a description of the output of each of these steps, i.e., compile, link edit, load, and execute. In addition, there is an explanation of the features of the compiler and available options of the operating system.  
 Manual, 460 pages
- SC28-6457  
IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4, MESSAGES, PROG. NOS. 5734-CB2, LM2  
 This publication contains messages issued by the Program Product IBM OS Full American National Standard COBOL Compiler and Library, Version 4. Additional object-time messages are also included. For each message, either a Programmer or an Operator Response suggests appropriate problem determination action. In addition, there is a brief discussion of multiple console support (MCS) considerations.  
 Directed at either the COBOL programmer or the operator, this publication presents the messages in alphanumeric order within each of the three main sections, "Compile-Time Messages," "Queue Analyzer Messages," and "Object-Time Messages."  
 A corequisite to this publication, for system messages, is the publication IBM OS Messages and Codes, Order Number GC28-6631.  
 Manual, 186 pages
- SC28-6458  
IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4, INSTALLATION REFERENCE MATERIAL, PROG. NOS. 5734-CB2, LM2  
 This publication contains system related information needed to install and make effective use of the Program Product IBM OS Full American National Standard COBOL Compiler and Library, Version 4 (Program Number 5734-CB2) and its associated COBOL Object-time Subroutine Library (Program Number 5734-LM2). Both program products can be installed under either OS or the Conversational Monitor System (CMS) of the IBM Virtual Machine Facility/370 (VM/370).  
 The section "Operating Instructions" is directed to the console operator. It describes certain messages the console operator may be required to answer and presents information







- GC28-6583  
IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT FORTRAN IV (TAPE) PROGRAMMER'S GUIDE PROGRAM NUMBER 360P-FO-031  
This publication is a guide to the programs comprising the Basic Programming Support Tape FORTRAN IV System. Included are descriptions of:  
Control Statements  
System Operating Considerations  
System Output  
Miscellaneous FORTRAN Programming Considerations  
Considerations for Coding Assembler Language Subprograms  
FORTRAN Library Subprograms  
Initial System Setup  
Sample Program  
Systems Reference Library Manual, 84 pages
- GC28-6585  
IBM SYSTEM/360 CONVERSION AIDS: THE 7040/7044 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65 PROGRAM NUMBER 360C-EU-733  
This publication describes the characteristics and use of the IBM 7040 Emulator Program, a component of the IBM 7040 Emulator. The Emulator consists of this program, and special machine additions and modifications called the IBM 7040 Compatibility Feature (#7119). The combination of program and machine feature enables the user to execute, on his System/360 Model 65, programs written for the IBM 7040 and 7044 Data Processing Systems.  
Systems Reference Library Manual, 76 pages
- GC28-6586  
IBM SYSTEM/360 OPERATING SYSTEM: UTILITIES SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBERS 360S-UT-506, 507  
This publication discusses the capabilities of the IBM System/360 Operating System utility programs and the control statements used with each program. These programs are used by programmers responsible for organizing and maintaining operating system data.  
Three types of utility programs are discussed: SYSTEM UTILITIES and DATA SET UTILITIES, which are used directly with the System/360 Operating System; and INDEPENDENT UTILITIES, which operate outside the operating system. System utilities deal with operating system control data.  
Data set utilities manipulate data sets at the record level and above. Independent utilities initialize, dump, and restore direct access volumes.  
Information concerning Model 195 support is for planning purposes only.  
Systems Reference Library Manual, 596 pages
- GC28-6590  
IBM SYSTEM/360 OPERATING SYSTEM, PL/I SUBROUTINE LIBRARY, COMPUTATIONAL SUBROUTINES, PROGRAM NUMBER 360S-LM-512  
This publication gives details of the computational subroutines available in the PL/I Library. These subroutines are used by the PL/I (F) compiler in the implementation of PL/I built-in functions and of the operators used in the evaluation of PL/I expressions. Not all PL/I built-in functions and expression operators are supported by the PL/I Library; the compiler generates in-line code for a small number of them. The details provided include timing figures, summaries of the mathematical methods used, and (where appropriate) figures for range and accuracy. This information is intended to be of interest chiefly to those programmers concerned with the performance of computational subprograms.  
Systems Reference Library Manual, 84 pages
- GC28-6594  
IBM SYSTEM/360 OPERATING SYSTEM PL/I (F) PROGRAMMER'S GUIDE-PROG. NO. 360S-NL-511  
This publication is a companion volume to IBM System/360 Operating System: PL/I (F) Language Reference Manual, Form C28-8201. Together, the two books form a guide to the writing and execution of PL/I programs under the control of an IBM Operating system that includes the PL/I (F) Compiler. The Programmer's Guide is concerned with the relationship between a PL/I program and the operating system. It explains how to compile, link edit, and execute a PL/I program, and introduces job control language, the linkage editor, and other essential features of the operating system.  
Manual
- GC28-6595  
IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (E) PROGRAMMER'S GUIDE - PROGRAM NUMBER 360S-AS-036  
This publication is intended for the programmer who is writing programs in the assembler language for processing by the Assembler (E) under IBM System/360 Operating System. It contains information on assembling, linkage editing, and executing programs, program listings, error messages, and certain coding considerations. Previous experience of assembler language programming is a prerequisite for a full understanding of this publication.  
Systems Reference Library Manual, 48 pages
- GC28-6596  
IBM SYSTEM/360 FORTRAN IV LIBRARY SUBPROGRAMS PROG. NOS. 360S-LM-501, 360F-LM-619, 360N-LM-480  
This publication describes the library subprograms supplied with Basic Fortran IV(E) and Fortran IV (G,H,DOS, and Model 44) and tells how to use the subprograms in either a Fortran or an assembler language program.  
Manual, 70 pages
- GC28-6603  
IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (E) PROGRAMMER'S GUIDE PROGRAM NUMBER 360S-FO-092  
This publication describes how to compile, link, edit, and execute a Fortran IV (e) program. The text also describes the output of compilation and execution and how to make optimal use of the compiler and a load module.  
Systems Reference Library Manual, 124 pages
- GC28-6615  
IBM SYSTEM/360 OPERATING SYSTEM, ALGOL LANGUAGE  
This publication provides the programmer with the information needed to use the IBM System/360 Operating System ALGOL compiler for the solution of scientific and technical problems. ALGOL has been introduced in a number of universities and technical institutes for communication and education purposes. To assist that particular area, the OS/360 ALGOL Compiler is intended to provide a bridge to System/360 for existing ALGOL users. A basic knowledge of the ALGOL language is assumed.  
Systems Reference Library Manual, 112 pages
- GC28-6628  
OS/360 SYSTEM CONTROL BLOCKS PROG. NO. 360S-CI-566  
This publication shows the formats of the major control blocks and tables used by more than one component of the System/360 Operating System control program. Descriptions of each field within the control blocks or tables follow each format illustration.  
The system control blocks described in this publication will be changed by IBM from time to time to extend the capabilities of the operating system. Programs should refer to these control blocks only through the system macro instruction facilities provided in the operating system. (For example, a field of the Data Control Block should only be referred to by use of the DCBC macro instruction.) Programs that refer to the control blocks by other means do so at the risk of not executing correctly in the future.  
Systems Reference Library Manual, 356 pages
- GC28-6629  
IBM SYSTEM/360 BASIC FORTRAN LANGUAGE (OS, DOS, TOS & BPS)  
This publication describes and illustrates the use of the Basic Fortran IV language for the IBM System/360 operating, the IBM System/360 Disk Operating System, the IBM System/360 Tape Operating System, and the IBM System/360 Basic Programming Support Tape System.  
Systems Reference Library Manual, 88 pages
- GC28-6631  
IBM SYSTEM/360 OPERATING SYSTEM: MESSAGES AND CODES  
This publication lists, explains, and suggests appropriate responses to the system completion codes, wait state codes, and messages produced by IBM-supplied components of the IBM System/360 Operating System. The codes and messages are presented in alphanumeric order.  
Manual, 650 pages
- GC28-6644  
IBM SYSTEM/360 OPERATING SYSTEM MASTER INDEX  
This publication consolidates the indexes of publications in the IBM Systems Reference Library for the System/360 Operating System. It also provides a reading plan for these publications.  
The master index lists topics alphabetically, and refers to publications where these topics are discussed.  
Systems Reference Library Manual, 352 pages
- GC28-6646  
OS/360 SYSTEM SUPERVISOR SERVICES AND MACRO INSTRUCTIONS  
The title of this manual was formerly IBM System/360 Operating Supervisor Services. The descriptions of the supervisor macro instructions formerly found in IBM System/360 Operating System Supervisor and Data Management Macro Instructions, GC28-6647 have been added.  
This manual describes how to use the services of the supervisor, the macro instructions used to request these services, and the linkage conventions used by the control program to provide these services. Included in the services of the supervisor are program management, task creation and management, and main-storage management.  
Intended mainly for the programmer coding in assembler language, this book is a guide to using the macro instructions described. This book does not discuss macro instructions used for graphics, teleprocessing, optical readers, optical reader-sorters, or magnetic character readers. These macro instructions are discussed in separate publications that are listed in the IBM System/360 Bibliography, GA22-6822.  
Manual, 126 pages



- Program capabilities.
- Control Statements required to define a specific
  - sort or merge application.
  - Facilities provided for inserting user routines in the
  - program.
  - Operating Instructions.
- Systems Reference Library Manual, 111 pages
- GC28-6698  
IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION PLANNING FOR TSO  
 This publication describes the concepts, features, and capabilities of TSO, a general purpose time-sharing facility for the MVT configuration of the operating system. It is intended for use by the system manager, system analyst, and system programmer to help them design and implement a TSO system. The publication describes the functions provided to remote terminal users, the languages available to them, an overview of system implementation, system configuration requirements, and IBM Program Products available for TSO users. Readers interested in this manual should first read IBM SYSTEM/360 OPERATING SYSTEM: CONCEPTS AND FACILITIES, GC28-6535. Readers interested in the implementation of TSO should also read IBM SYSTEM/360 OPERATING SYSTEM: MVT CONTROL PROGRAM LOGIC SUMMARY, GY28-6658.  
 This publication is intended for planning purposes only. Further information will be published when TSO becomes available.  
 Manual, 160 pages
- GC28-6704  
IBM SYSTEM/360 OPERATING SYSTEM: JOB CONTROL LANGUAGE REFERENCE  
 The job control language is used with all System/360 Operating System control programs. Every job submitted for execution by the operating system must include job control language statements. These statements contain information required by the operating system to initiate and control the processing of jobs.  
 This publication describes the facilities provided with the job control language and contains the information necessary to code job control language statements.  
 Systems Reference Library Manual, 327 pages
- GC28-6708  
OS ADVANCED CHECKPOINT/RESTART  
 This publication describes the advanced checkpoint/restart facility, which allows automatic and deferred job restart at the beginning of a step or at a checkpoint within a step. Emphasis is on planning for the use of this facility with the PCP, MFT, and MVT control programs of the IBM System/360 Operating System. (All statements concerning MVT apply also to Model 65 Multiprocessing.)  
 It is intended for use by programmers and system analysts who are familiar with the information presented in:  
 OS Job Control Language Reference, GC28-6704  
 OS Data Management Service Guide, GC26-3746  
 Manual, 73 pages
- GC28-6709  
IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1 CONTROL PROGRAM OPERATOR'S GUIDE SUPPORTING RPO 898117  
 This manual is comprised of three self-contained parts:  
 ONLINE UTILITIES - Defines the utilities that run under the APTIOS Control Program. These utilities allow the user to perform certain functions necessary for real-time operations. ONLINE TESTS - Defines the test modules that permit the user to check the teleprocessing network, the 2740 Console, and the 2969-1 Central Processing Element.  
 OPERATOR MESSAGES - Explains the messages that may be directed to the operator. These messages include error messages, online test output messages, and online utility output messages.  
 Manual
- GC28-6711  
IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1 CONTROL PROGRAM USER'S GUIDE SUPPORTING REQ 888117  
 This manual is comprised of three self-contained parts:  
 SYSTEM INTERFACE - Defines the relationship that exists between the 2969-1 and the main (host) CPU of the telecommunications system.  
 SYSTEM GENERATION AND INITIAL LOADING - Provides a step-by-step method for generator a control program from IBM supplied program modules and for initially loading this control program (called APTIOS) into the 2969-1. This part also discusses the use of the system generation macro instructions for modifying system parameters.  
 OFFLINE UTILITY PROGRAMS - Describes the IBM supplied utility programs that are used in system generation, system maintenance, and library maintenance of APTIOS. These programs run under control of OS/360 rather than APTIOS.  
 Manual, 150 pages
- GC28-6712  
IBM SYSTEM/360 OPERATING SYSTEM SYSTEM MANAGEMENT FACILITIES REFERENCE MANUAL - PROGRAM NUMBERS 360S-CI-505, 360S-CI-535  
 This publication provides installation managers, system programmers, and operators with the information required to plan for, install, and use SMF (System Management Facilities). SMF is an optional feature of this IBM System/360 Operating System that can be selected at system generation for the multiprogramming with fixed number of Tasks (MFT) or multiprogramming with a variable number of tasks (MVT) option of the operating system. SMF collects system, job-management, and data-management information and links to user-written routines that can monitor the operation of jobs or job steps. This publication introduces basic SMF concepts; describes SMF record formats, control program exits, and data management requirements; tells how to plan, write, and test user-written exit routines; tells how to incorporate SMF into the operating system; and describes IPL and data management procedures.  
 Manual, 88 pages
- GC28-6716  
IBM SYSTEM/360 OPERATING SYSTEMS FEATURE GUIDE  
 This is a guide to optional features of the IBM System/360 Operating System (MVT, MFT and PCP). This publication stresses improving overall system performance; it endeavors to interrelate such factors as operating system programs, application programs, computer equipment, customer operating procedures, customer personnel, and maintenance.  
 This publication is intended for people who are responsible for improving system performance, such as data processing managers and system programmer/analysts. Knowledge of the IBM SYSTEM/360 OPERATING SYSTEM: INTRODUCTION, GC28-6534, and CONCEPTS AND FACILITIES, GC28-6535, is assumed.  
 For each optional feature, the reader is given the purpose of the feature, performance criteria, insights on using the feature, direction toward implementing the feature, and specific references to more detailed data in other IBM and, if applicable, non-IBM publications.  
 The information contained in this publication concerning the Model 195 is for planning purposes only.  
 Systems Reference Library Manual, 66 pages
- GC28-6719  
IBM SYSTEM/360 OPERATING SYSTEM: SERVICE AIDS SYSTEMS REFERENCE LIBRARY  
 This publication describes the major facilities for inspecting, modifying, mapping, dumping and interpreting system libraries and mainstorage areas provided by the System/360 Service Aids to the system programmer and the IBM customer engineer.  
 Each of the seven Service Aids is described in a separate section of the text. The Service Aids are:  
 IMAPPTLE--which creates JCL for use in applying PTFs to system libraries  
 IMAPPTFIS--which provides formatted lists of members of a library to which PTFs have been applied; or of all members of a library.  
 IMASPZAP--which allows the user to inspect and modify data in a load module  
 IMBMDMAP--which produces formatted maps of load modules previously link edited into a partitioned data set, of link pack or resident reenterable load module areas, and of the nucleus  
 IMCJQDMP--which provides formatted job queue dumps  
 IMDPRDMP--which formats and prints the high speed tape output  
 IMDSADMP--which can dump main storage to tape at high speed, and to either tape or a printer at low speed  
 Manual, 262 pages
- GC28-6720  
IBM SYSTEM/360 OPERATING SYSTEM MVT GUIDE  
 This publication describes the MVT (multiprogramming with a variable number of tasks) configuration of the operating system control program. It contains introductory material for programmers not familiar with MVT, planning information, storage estimates, information on optimizing performance, and a section on options and facilities available with MVT.  
 Systems Reference Library Manual, 80 pages
- GC28-6730  
IBM SYSTEM/360 OPERATING SYSTEM: RELEASE 20 GUIDE  
 This publication contains information about Release 20 of the IBM System/360 Operating System. It describes:  
 o New and changed system features and requirements  
 o System maintenance activity, including APAR descriptions, a program symptom index, and a list of program temporary fixes (PTFs) corrected.  
 o Modules added, deleted, or modified for Release 20  
 o Ordering and distribution procedures for Release 20  
 Manual, 336 pages
- GC28-6732  
IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION: COMMAND LANGUAGE  
 This publication describes the TSO command language that a terminal user may use to request the services of TSO.  
 The "Introduction" describes what the command language is. The section entitled "What You Must Know to Use the





This publication is for use by system programmers who are installing the TSO Data Utilities: COPY, FORMAT, LIST, MERGE Program Product into an IBM System/360 Operating System with the Time Sharing Option.

This publication describes procedures to be followed for program installation, including sample problems which ensure that the TSO Data Utilities Program Product has been properly installed. This publication also contains the storage requirements for this Program Product. Prerequisite publications are:

IBM System/360 Operating System: Storage Estimates, GC28-6551  
 IBM System/360 Operating System: System Generation, GC28-6554  
 IBM System/360 Operating System: Time Sharing Option Guide, GC28-6698.  
 Manual, 24 pages

GC28-6768

OS/MVT AND OS/VS2 TSO DATA UTILITIES: COPY, FORMAT, LIST, & MERGE - PPS - PROG. NO. 5734-UT1  
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program Product Specifications, 1 page

GC28-6791

OS SYSTEM MODIFICATION PROGRAM (SMP)  
 This publication contains information about the independent component System Modification Program (SMP). This information is intended for use by IBM personnel and system programmers responsible for changing and redesigning the installation's operating system. The reader should be experienced in using and modifying OS or VS operating systems.

This publication describes how to use the program and gives its storage requirements. It includes all the control statements required with coding examples illustrating the various SMP functions.

Also contained in this document is the internal logic that includes the method of operation diagrams, the module directory, the program organization, the data areas, and the diagnostic aids.

The appendix contains the SMP messages, a data set requirement chart, and some catalog procedures with coding examples.  
 Manual

GC28-6792

OS POWER WARNING FEATURE (PWF) SUPPORT-ICR GUIDE  
 This publication introduces and contains instructions for use and maintenance of the Power Warning Feature Support. This publication contains information for the operator, the systems programmer, and those who maintain the Power Warning Feature support.  
 Manual

SC28-6808

A PL/I PRIMER  
 The purpose of this publication is to provide tutorial material not only for the person with some knowledge of computer programming, but also for the novice who knows little or nothing about data processing.  
 Student Text, 71 pages

GC28-6810

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEMS CONCEPTS AND FACILITIES  
 This publication describes the facilities provided by the IBM System/360 Model 44 Programming System.

The Model 44 Programming System consists of a FORTRAN compiler, an assembler, a supervisor, and system support programs. It provides FORTRAN and assembler language processing and program execution in a monitored environment, with automatic job-to-job transition, interruption handling, and input/output supervision. The system has facilities for the creation and maintenance of libraries and the manipulation of their contents. It also provides extensive job control and program segmentation capabilities for flexibility and versatility in the preparation of programs for execution.  
 Manual, 48 pages

GC28-6811

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM ASSEMBLER LANGUAGE, PROGRAM NUMBER 360F-AS-616

Model 44 Programming System Assembler Language. This assembler language is used to write programs for the Model 44. The IBM System/360 Model 44 Programming System Assembler Program processes the language and provides auxiliary functions useful in the preparation and documentation of a program.  
 Systems Reference Library Manual, 74 pages

GC28-6812

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM GUIDE TO SYSTEM USE

This publication contains detailed information for preparing programs to be executed under the IBM System/360 Model 44 Programming System. It discusses and illustrates the

system's requirements, its capabilities, and the control statements and supervisor calls that are used with it.  
 Systems Reference Library Manual, 180 pages

GC28-6813

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM GUIDE TO SYSTEM USE FOR FORTRAN PROGRAMMERS

This publication describes how to use the Model 44 Programming System to compile and execute programs written in the IBM System/360 FORTRAN IV language. A discussion of program optimization and of the restrictions of the Model 44 FORTRAN IV compiler is also included.

This publication is directed primarily at programmers who are familiar with the FORTRAN IV language. Previous knowledge of the Model 44 Programming System is not required.  
 Systems Reference Library Manual, 30 pages

GC28-6814

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM SYSTEMS PROGRAMMER'S GUIDE

This publication describes how to construct an IBM System/360 Model 44 Programming System and how to modify and extend its capabilities.

Among the subjects discussed in this publication are:

How to construct and edit a Model 44 Programming System.

How to write an accounting routine and incorporate it into the system.

How to define the input/output configuration at IPL time.

How to write routines at the Execute Channel Program (EXCP) level of the input/output facilities.

How to expand the user communication region.

How to update the module and phase libraries.

How to print, punch, and update the distributed tape reel.

Systems Reference Library Manual, 88 pages

GC28-6815

SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM OPERATOR'S GUIDE

This publication provides operators with detailed information required for operating the IBM System/360 Model 44 Programming System and the various stand-alone programs associated with it.

Operating instructions are provided for IPL procedures, general operations, abnormal end procedures, operator-to-system communications, and stand-alone operations.  
 Manual, 56 pages

GC28-6816

IBM SYSTEM/360 CONVERSION AIDS: 1620 SIMULATOR FOR IBM SYSTEM/360 MODEL 44 PROGRAM NUMBER 360C-SI-755

This reference publication provides information on the 1620 simulator for the IBM System/360 Model 44, and is directed to the user who is replacing his IBM 1620 Model 1 or Model 2 Data Processing System with an IBM System/360 Model 44. This manual describes the installation requirements, and programming and operating considerations for the 1620 simulator.

Simulation is a technique that uses System/360 instruction sequence to perform the functions of 1620 instructions, thus permitting the user to execute object programs written for the 1620.  
 Systems Reference Library Manual, 56 pages

GC28-6817

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G AND H) PROGRAMMER'S GUIDE

PROGRAM NUMBERS 360S-FO-500 360S-FO-520

This publication explains how to compile, linkage edit, and execute a program written in IBM System/360 Fortran IV Language.

Systems Reference Library Manual, 180 pages

GC28-6818

OS FORTRAN IV LIBRARY: MATHEMATICAL AND SERVICE SUBPROGRAMS, PROG. NO. 360S-LM-501

This publication describes the mathematical and service subprograms contained in the library supplied with Basic FORTRAN IV (OS) and FORTRAN IV (OS) compilers. Information on the use of these subprograms in either a FORTRAN or an assembler language program is also included.  
 Manual, 70 pages

GC28-6819

IBM SYSTEM/360 FORTRAN IV LANGUAGE HANDBOOK FOR CONVERSION FROM IBM 7090/7094 FORTRAN IV

PROGRAM NUMBER 7090-PR-130  
 This publication describes how a FORTRAN IV program written for execution under the IBM 7090/7094 IBSYS Operating System must be modified to be run under IBM System/360. Differences in both syntax and implementation are discussed. It is assumed that the reader is familiar with the IBM 7090/7094 FORTRAN IV language.

Systems Reference Library Manual, 32 pages

GC28-6821

IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY PL/I AND BASIC (PROGRAM PRODUCT DESIGN OBJECTIVES) PROGRAM NUMBERS 5736-RC1, 5736-RC2  
This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. Program Product Design Objectives, 4 pages

GC28-6825

IBM SYSTEM/360 OS/DOS AND OS (TSO) ITF: PL/I AND BASIC GENERAL INFORMATION, PROG. NOS. 5734-RC1/2/3/4, 5736-RC1/2  
This publication gives general information about the external characteristics of the PL/I feature of the Interactive Terminal Facility (ITF), a Program Product that operates under the System/360 Operating System or the System/360 Disk Operating System. The book includes descriptions of terminal commands, PL/I language elements, and machine requirements.

This publication is intended as an aid to evaluation and planning; it is not meant for the terminal user. Publications will be provided for the terminal user when ITF:PL/I becomes available.  
Program Product Manual, 26 pages

GC28-6829

IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY: PL/I (5734-RC1) AND BASIC (5734-RC3) SPECIFICATION SHEET  
This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Specification Sheet, 4 pages

GC28-6830

IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY: PL/I AND BASIC - PPS PROGRAM NUMBERS: 5736-RC1 5736-RC2  
This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. Program Product Specifications, 4 pages

GC28-6831

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY: PL/I AND BASIC PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBERS 5734-RC2, 5734-RC4  
These Program Product Specifications are for System/360 Operating System Time Sharing Option Interactive Terminal Facility: PL/I and BASIC. Specification Sheets, 2 pages

GC28-6832

IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-FO1  
These Program Product Specifications are for IBM System/360 Operating System Code and Go FORTRAN. Specification Sheet, 2 pages

SC28-6833

IBM SYSTEM/360 OS/DOS ITF: PL/I INTRODUCTION PROGRAM NUMBERS 5734-RC1, 5736-RC1  
This publication is an introduction to the IBM System/360 Operating System (OS) and the IBM System/360 Disk Operating System (DOS) Interactive Terminal Facility: PL/I. It is designed to give a novice programmer the tools he needs to write elementary programs in ITF: PL/I and to enable him to understand the more advanced material found in related publications. Because of this limited scope, therefore, this publication does not cover all the capabilities of ITF: PL/I nor does it include all the detailed information on system and terminal operation. These details may be found in the IBM SYSTEM/360 OPERATING SYSTEM AND IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY: PL/I TERMINAL USER'S GUIDE, form SC28-6834.  
Program Product Manual, 62 pages

SC28-6834

IBM SYSTEM/360 OS/DOS ITF: PL/I TERMINAL USER'S GUIDE PROGRAM NUMBERS 5734-RC1, 5736-RC1  
This publication provides tutorial information and reference material for users of the PL/I language component of the Interactive Terminal Facility (ITF), a Program Product that operates under the System/360 Operating System (OS) or the System/360 Disk Operating System (DOS).

The book tells how to use ITF and how to write programs in ITF: PL/I; it also includes detailed descriptions of the ITF: PL/I language elements, the ITF system commands, as well as error recognition and correction information. Sample programs and examples of the use of ITF: PL/I appear throughout the text.

This publication is intended for the ITF: PL/I terminal user. Users with little or no programming experience should be thoroughly familiar with the concepts presented in the publication IBM SYSTEM/360 OS/DOS ITF: PL/I INTRODUCTION, SC28-6833.  
Program Product Terminal User's Guide, 233 pages

SC28-6835

IBM SYSTEM/360 OS/DOS ITF: BASIC TERMINAL USER'S GUIDE PROGRAM NUMBERS 5736-RC2, 5734-RC3  
This publication provides tutorial information and reference material for users of the BASIC language component of the Interactive Terminal Facility (ITF), a Program Product that operates under the System/360 Operating System (OS) or the System/360 Disk Operating System (DOS).

The book tells how to use ITF, and how to write programs in BASIC; it also includes detailed descriptions of the BASIC language elements, the ITF system commands, as well as error recognition and correction. Sample programs and examples of the use of ITF:BASIC appear throughout the text.

This publication is intended for the ITF: BASIC terminal user. No previous knowledge of programming or of the BASIC language is required.  
Program Product Terminal Users Guide, 165 pages

SC28-6836

IBM SYSTEM/360 OS/DOS ITF INSTALLATION REFERENCE MATERIAL PROGRAM NUMBERS 5734-RC1, 3; 5736-RC1, 2  
This publication describes the information required by the central computing installation to run the Interactive Terminal Facility (ITF). This includes machine requirements, and operator commands.

ITF runs as a problem program under either the System/360 Operating System (OS) or the System/360 Disk Operating System (DOS). It supports conversational problem solving in the ITF:PL/I and/or ITF:BASIC languages.  
Program Product Reference Manual, 138 pages

GC28-6837

BASIC LANGUAGE REFERENCE MANUAL  
This publication contains a complete description of the BASIC programming language as it is defined by IBM. BASIC is a terminal-oriented language used by both programmers and non-programmers for the solution of problems requiring lengthy or repetitive computations. The syntax and semantics of BASIC are presented in this publication for readers who are already acquainted with the fundamental techniques and terminology of programming. Topics covered include program structure, data representation, and statement descriptions. Sample BASIC programs and a formalized definition of the language are included in appendixes.  
Reference Manual, 114 pages

SC28-6838

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY: PL/I INTRODUCTION PROGRAM NUMBER 5734-RC2  
This publication is an introduction to the IBM System/360 Operating System Time Sharing Option Interactive Terminal Facility: PL/I. It is designed to give a novice programmer the tools he needs to write elementary programs using ITF: PL/I and to enable him to understand the more advanced material found in related publications. Because of this limited scope, therefore, this publication does not cover all the capabilities of ITF: PL/I nor does it include all the detailed information on system and terminal operation. These details may be found in the IBM System/360 Operating System Time Sharing Option Interactive Terminal Facility: PL/I Terminal User's Guide, Order Number SC28-6839.  
Manual, 72 pages

SC28-6839

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY: PL/I TERMINAL USER'S GUIDE PROGRAM NUMBER 5734-RC2  
This publication provides tutorial and reference information for users of the PL/I language components of the Interactive Terminal Facility (ITF), an IBM Program Product that operates under the Time Sharing Option (TSO) of the System/360 Operating System (OS).

This guide tells how to use ITF: PL/I in the TSO environment. It includes detailed descriptions of the ITF: PL/I language elements, that portion of the TSO command language that applies to ITF: PL/I, and other reference information, including all of the ITF: PL/I error messages. Sample programs and examples appear throughout the text.

This publication is intended for the TSO ITF: PL/I terminal user. Users with little or no programming experience should be thoroughly familiar with the concepts presented in the publication IBM System/360 OS (TSO) ITF: PL/I Introduction, Order Number SC28-6838. Users whose scope of work extends beyond ITF: PL/I should consult the TSO publications listed in the preface.  
Manual, 268 pages

SC28-6840

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY: BASIC TERMINAL USER'S GUIDE PROGRAM NUMBER 5734-RC4  
This publication provides tutorial information and reference material for users of the BASIC language component of the Interactive Terminal Facility (ITF), a Program Product that operates under the Time Sharing Option (TSO) of the System/360 Operating System (OS).

The book tells how to use ITF in the TSO environment, and how to write programs in BASIC; it also includes

detailed descriptions of the BASIC language elements, a subset of the TSO command language, as well as error recognition and correction. Sample programs and examples of the use of ITF:BASIC appear throughout the text.

This publication is intended for the TSO ITF:BASIC terminal user. No previous knowledge of programming or of the BASIC language is required.  
Manual, 204 pages

SC28-6841

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)  
INTERACTIVE TERMINAL FACILITY INSTALLATION REFERENCE MANUAL  
PROGRAM NUMBERS 5734-RC2, 5734-RC4

This publication describes the information required by the central computing installation to install and run the Interactive Terminal Facility (ITF). This includes installation procedures, storage estimates, ITF control user functions, and terminal messages.

ITF runs as a command processor under the Time Sharing Option (TSO) of System/360 Operating System (OS). It supports conversational problem solving in the ITF:PL/1 and/or ITF:BASIC languages.

This publication is intended for the TSO ITF control user who installs TSO ITF, and who adds the ITF terminal users to the TSO system.  
Manual, 90 pages

SC28-6842

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)  
CODE AND GO FORTRAN PROCESSOR-TERMINAL USER'S GUIDE  
PROGRAM NUMBERS 5734-FO1, 5734-LM1

This publication provides the information necessary to use the Code and Go FORTRAN processor for foreground programs developed in an IBM System/360 Time Sharing Option (TSO) environment.

Code and Go is a compile-and-go processor that compiles at a fast rate and produces an object program directly in main storage. For the TSO foreground, Code and Go was specifically developed for users who place a premium on quick compilation and execution, and on easy and rapid debugging.

This publication, while primarily directed to engineers, mathematicians, and others who may not be full-time, professional programmers, also provides information for experienced production programmers who will be using Code and Go to write and test components of a large program for later execution in a batch environment. Readers must be familiar with the FORTRAN IV language as described in the publication IBM System/360 and System/370 FORTRAN IV Language, Order No. GC28-6515.

Included are explanations of that portions of that portion of the TSO command language that is directly relevant to the needs of the Code and Go foreground user, a sample terminal session, a section on programming considerations, and other reference information. Also provided are a discussion of the FORTRAN syntax checker and its associated messages, and a listing (with explanations) of compiler-related and load module execution diagnostic messages.

Program Product Manual, 186 pages

GC28-6844

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY MOD 1  
DESIGN OBJECTIVES - PROGRAM NUMBER 5734-LM1

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.  
Design Objective Sheet, 1 page

GC28-6847

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY (MOD II)  
PROGRAM NUMBER 5734-LM3

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.  
Design Objectives, 2 pages

GC28-6850

SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY MOD 1  
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-LM1

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specifications, 2 pages

SC28-6851

IBM SYSTEM/360 DISK OPERATING SYSTEM - FORTRAN IV LIBRARY  
ASCII SUPPORT: PROGRAMMER'S GUIDE SUPPLEMENT  
PROGRAM NUMBER 5736-LM1

This publication explains how to install and use the IBM System/360 Disk Operating System FORTRAN IV Library ASCII Support Package. ASCII is an acronym used to refer to the American National Standard Code for Information Exchange, a 7-bit character code. The internal code used by System/360 is based on an 8-bit character. With the DOS FORTRAN IV Library ASCII Support Package, DOS users may process and create magnetic tape data sets recorded in accordance with the ASCII code.

This publication assumes a knowledge of the FORTRAN IV language, and familiarity with how to compile, linkage edit, and execute programs under control of the IBM System/360 Disk Operating System.

Program Product Manual, 16 pages

SC28-6852

IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED)  
COMPILER, PROGRAMMER'S GUIDE - PROGRAM NUMBER 5734-FO3  
5734-LM3

This publication describes the steps to compile, link edit, and execute a FORTRAN IV program using the FORTRAN IV (H Extended) compiler, an IBM Program Product that operates under the control of the operating system. The methods of invoking each step, input to the steps, and output from the steps, are detailed. In addition, compiler options, features of the operating system used by the FORTRAN programmer, and practices for coding more efficient FORTRAN programs are discussed.

This publication is directed to programmers familiar with the FORTRAN IV language. Previous knowledge of the operating system is not required.

Information in this publication pertaining to OS/V52 is for planning purposes until that product is available.  
Manual, 208 pages

SC28-6853

IBM OS CODE AND GO FORTRAN AND FORTRAN IV (G1) PROGRAMMER'S  
GUIDE, PROG. NOS. 5734-FO1, 2, -LM1

This publication is directed to programmers using either the IBM System/360 Code and Go FORTRAN or FORTRAN IV (G1) compiler. It explains how to use the IBM System/360 Operating System to compile, link edit, and execute programs written in the IBM System/360 FORTRAN IV language.

In addition, it contains information on processing efficiency, extended error handling, debugging specifications, and Assembler language subroutine linkage conventions.

This publication is directed primarily to programmers familiar with the FORTRAN IV language. Previous knowledge of the IBM System/360 Operating System is not required.  
Program Product Manual, 190 pages

GC28-6854

OS FORTRAN IV (G1) PROCESSOR - PPS - PROG. NO. 5734-FO2

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Program Product Specifications, 2 pages

SC28-6855

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)  
TERMINAL USER'S SUPPLEMENT FOR FORTRAN IV (G1) PROCESSOR  
AND TSO FORTRAN - PROGRAM PRODUCT MANUAL  
PROGRAM NUMBERS 5734-FO2, 5734-CP3, 5734-LM1

This publication describes the use of the FORTRAN IV (G1) compiler and the TSO FORTRAN Prompter from a TSO Terminal. It is intended as a supplement to the IBM System/360 OS TSO Terminal User's Guide. This book describes the G1 compiler and its features, and methods of invoking the compiler. It contains examples of the use of the G1 compiler and the Prompter, diagnostic messages that a user receives at his terminal, and reference information. It makes no attempt to cover general TSO operation, which is covered in the TSO Terminal User's Guide.

The FORTRAN IV (G1) compiler is an extended version of the FORTRAN G compiler, adapted for more efficient use from a time-sharing terminal. The Prompter provides the interface between the compiler and the user, creating a conversational environment for the G1 programmer.

This publication is intended for use by FORTRAN programmers of all levels, but its approach is essentially toward the inexperienced programmer. It is not a reference document for the system programmer.

Co-requisite publications for this book are the IBM System/360 Operating System TSO Terminal User's Guide, Order No. GC28-6763, and the IBM System/360 Operating System Time Sharing Option Command Language Reference, Order No. GC28-6732.  
Manual, 124 pages

SC28-6856

FORTRAN IV (G1) PROCESSOR AND TSO FORTRAN PROMPTER FOR OS  
AND VM/370 (CMS): INSTALLATION REFERENCE MATERIAL, PROG.  
NOS. 5734-FO2, 5734-CP3

This publication describes the internal logic of the FORTRAN IV (G1) compiler.

The FORTRAN (G1) compiler, an extended version of FORTRAN IV (G), is adapted to a time sharing as well as a batch environment. It is a program product that operates under the IBM System/360 Operating System. It provides the ability to store object programs and to produce source and object listings, storage maps, and object decks. In addition, the FORTRAN IV (G1) compiler produces a terse form of output comprised of error messages and compiler statistics, suitable for terminal display.

This program logic manual is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of the FORTRAN (G1); therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.  
Program Product Manual, 48 pages

GC28-6857

IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION FORTRAN PROMPTER - PROGRAM PRODUCT SPECIFICATION  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification, 2 pages

SC28-6858

IBM SYSTEM/360 FORTRAN IV LIBRARY (MODEL 1) INSTALLATION REFERENCE MATERIAL, PROGRAM NUMBER 5734-LM1  
This publication describes the information required by the central computing installation to install and run the FORTRAN IV Library (Model 1). The information includes installation procedures, storage estimates, system information, and library-produced messages.

The FORTRAN IV Library (Model 1) operates with the FORTRAN E, G, and H compilers, with FORTRAN IV (G1), and with the Code and Go FORTRAN compiler. The library supports features not contained in the base FORTRAN IV library, such as list-directed I/O, improved data conversion, and ASC11 support. The library also includes special interfaces for running in the TSO foreground.

This publication is intended for Operating System/360 personnel responsible for installing the library, as well as for the system programmer responsible for maintenance of the library within the system.

Program Product Manual, 65 pages

SC28-6859

IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN PROCESSOR INSTALLATION REFERENCE MATERIAL PROGRAM NUMBER 5734-FO1

This publication describes the information required by the central computing installation to install and run the FORTRAN IV Code and Go compiler. The information includes installation procedures, storage estimates, system information, and messages produced by the compiler.

This publication is intended for Operating System/360 personnel responsible for installing the FORTRAN IV Code and Co compiler, as well as for the system programmer responsible for maintaining it within the system.

Manual, 60 pages

SC28-6861

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED) COMPILER AND LIBRARY (MOD II) IRL MODULE II INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBERS 5734-FO3, 5734-LM3  
The FORTRAN IV (H Extended) compiler and the FORTRAN IV Library (Mod II) are released as independent components that require installation under the IBM System/360 Operating System.

This publication describes the procedures for installing FORTRAN IV (H Extended) compiler and the FORTRAN IV Library (Mod II). It is intended for use by system programmers or planners who supervise the generation and maintenance of an installation's operating system.

Manual, 64 pages

GC28-6862

IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED) COMPILER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-FO3

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specifications, 2 pages

GC28-6863

OS FORTRAN IV LIBRARY (MOD II) - PPS - PROG. NO. 5734-LM3  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Systems Reference Library Manual, 2 pages

SC28-6864

IBM SYSTEM/360 OS: FORTRAN IV MATH AND SVC SUBPROGRAM SUPPLEMENT FOR MODE I and MODEL II LIBRARIES PROGRAM NUMBERS 5734-LM1, 5734-LM3

This publication is a supplement to IBM System/360 Operating System: FORTRAN IV Library-Mathematical and Service Subprograms, Order No. GC28-6818. Together, these publications describe the mathematical and service subprograms in the FORTRAN IV Mod I and Mod II libraries.

In general, the base publication documents those subprograms that handle single and double precision quantities; this supplement documents those subprograms that handle extended precision quantities.

Systems Reference Library Manual, 34 pages

GC28-6865

IBM SYSTEM/360 OS: FORTRAN IV (H EXTENDED) COMPILER AND LIBRARY (MODEL II), MESSAGES - SYSTEM REFERENCE LIBRARY MANUAL, PROGRAM NUMBERS 5734-FO3, 5734-LM3

No abstract available.  
Systems Reference Library Manual, 140 pages

SC28-6868

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED) PLUS COMPILER & LIBRARY USER SUPPLEMENT - PROGRAM NUMBER 5799-RAW

This publication contains information describing the use

of the FORTRAN IV (H Extended Plus) compiler, an enhancement to the FORTRAN IV (H Extended) compiler program product. It supplements the following publications:

IBM System/360 Operating System:  
FORTRAN IV (H Extended) Compiler  
Programmer's Guide, Order No. SC28-6852

IBM System/360 Operating System:  
FORTRAN IV (H Extended) Compiler  
and Library (Mod II) Messages,  
Order No. SC28-6865

IBM System/360 Operating System:  
FORTRAN IV Mathematical and Service  
Subprograms Supplement for Mod I  
and Mod II Libraries, Order No. SC28-6864

The supplementary information for each publication listed above is treated a separate chapter in this publication. The chapter on the Programmer's Guide describes the new options, OPTIMIZE (3) and IL, available to the programmer using the (H Extended Plus) compiler and FORTRAN programming considerations for these options and for other compiler improvements. The chapter on the Mod I and Mod II Libraries describes the changes made to a number of mathematical subprograms to make their processing more efficient.

Unless otherwise noted, all information in the base publications apply to this supplement.  
Manual, 32 pages

GC28-6872

SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV LIBRARY, OPTION 1 - PROGRAM PRODUCT DESIGN OBJECTIVE PROGRAM NUMBER 5746-LM3

The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.

Design Objective, 2 pages

GC28-6881

FORTRAN INTERACTIVE DEBUG FOR OS(TSO) AND VM/370(CMS) PROGRAM PRODUCT DESIGN OBJECTIVES, PROG. NO. 5734-FO5

The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.

Flyer, 1 page

GC28-6882

DISK OPERATING SYSTEM FORTRAN IV LIBRARY OPTION 1 - PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5746-LM3

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.

Specifications, 2 pages

SC28-6883

DOS FORTRAN IV LIBRARY OPTION/PROGRAMMERS'S GUIDE SUPPLEMENT - PROGRAM PRODUCT 5746-LM3

This publication is directed to programmers using the FORTRAN IV Library Option 1, a program product used with the Disk Operating System. The Option 1 Library provides DOS users with System/370 input/output device support and ASCII support. (ASCII is an acronym used to refer to the American National Standard Code for Information Interchange.) ASCII support allows users to process and create magnetic tape data sets recorded in ASCII code and to specify larger block sizes for EBCDIC tape data sets.

This publication is a supplement to, and should be used in conjunction with, the publication, Disk Operating System: FORTRAN IV Programmer's Guide, Order No. GC28-6397.

Programmers are assumed to be familiar with its contents. The supplement contains sections on using and installing the Option 1 library and on running the sample program. For information on how to compile, linkage edit, and execute a DOS FORTRAN IV program, the appropriate sections of the programmer's guide should be consulted.

Manual, 20 pages

GC28-6884

IBM FORTRAN PROGRAM PRODUCTS FOR OS AND THE CMS COMPONENT OF VM/370: GENERAL INFORMATION, PROG. NOS. 5734-FO1,2,3,5 -LM1,3,-CP3

This publication provides general information about the functions, capabilities, and system requirements of the following program products:

- o Code and Go FORTRAN Processor
- o FORTRAN IV (G1) Processor
- o FORTRAN IV (H Extended) Processor
- o FORTRAN IV Library (Mod I)
- o FORTRAN IV Library (Mod II)
- o TSO FORTRAN Prompter
- o FORTRAN Interactive Debug

These products, with the exception of the TSO Prompter, operate under both OS and the CMS component of VM/370.

This publication is intended as an aid to evaluation and planning and is not meant for the terminal user or applications programmer.  
Manual, 42 pages

SC28-6885

FORTRAN INTERACTIVE DEBUG FOR OS (TSO) TERMINAL USER'S GUIDE - PROGRAM PRODUCT 5734-FO5

This manual provides the information required to use FORTRAN Interactive Debug to debug Code and Go FORTRAN or FORTRAN G1 programs from a TSO terminal.

FORTRAN Interactive Debug is a conversational, symbolic debugging language with which the FORTRAN programmer can dynamically control the execution of his program. While using it, he can stop and start execution, examine and change values of program variables, dynamically control the Extended Error Handling facility, display execution frequencies for program statements, and trace control transfers as they occur.

The intended audience is the TSO FORTRAN programmer who codes in Code and Go FORTRAN or FORTRAN G1.

The first section of the book describes FORTRAN Interactive Debug, its invocation, and its use, and gives instructions for compiling FORTRAN programs so that they can be processed under interactive debug. The second section is a reference section containing all the FORTRAN Interactive Debug subcommands. The third section covers programming considerations. Messages issued by FORTRAN Interactive Debug are covered in the fourth section.

Co-requisite Publications:

OS (TSO) Code and Go FORTRAN Processor Terminal User's guide, Order No. SC28-6842

OS (TSO) Terminal User's Supplement for FORTRAN IV (G1) Processor and TSO FORTRAN Prompter, Order No. SC28-6855 Manual, 116 pages

SC28-6886

FORTRAN INTERACTIVE DEBUG FOR OS (TSO) INSTALLATION REFERENCE MATERIAL PROGRAM NUMBER 5734-FO5

This publication describes the information required by the central computing installation to install and run FORTRAN Interactive Debug under OS (TSO). The information includes installation procedures, storage estimates, system information, messages, and problem determination aids.

FORTRAN Interactive Debug provides a conversational, symbolic debugging capability for the TSO FORTRAN programmer. Using interactive debug, the Code and Go FORTRAN or FORTRAN G1 programmer can dynamically control the execution of his program, examine and change values of program variables, dynamically control the Extended Error Handling Facility, display execution frequencies for program statements, and trace control transfers as they occur.

This publication is intended for OS personnel responsible for installing FORTRAN Interactive Debug, as well as for the system programmer responsible for maintaining it within the system.  
Manual, 60 pages

GC28-6888

FORTRAN INTERACTIVE DEBUG FOR OS (TSO) PPS PROGRAM NUMBER 5734-FO5

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 2 pages

SC28-6891

IBM VM/370 (CMS) TERMINAL USER'S GUIDE FOR FORTRAN IV PROGRAM NUMBERS 5734-FO1, 5734-FO2, 5734-FO3, 5734-LM1 AND 5734-LM3

This user's guide is intended for FORTRAN programmers who will be using the IBM System/360 OS FORTRAN IV (G1) or Code and Go FORTRAN IV compiler and the FORTRAN IV Library (Mod 1) or the FORTRAN IV (H Extended) compiler and the IBM FORTRAN IV Library (Mod II) under the control of the Conversational Monitor System component of the Virtual Machine Facility/370. It is assumed that the reader is familiar with the FORTRAN IV Language and the CMS component of VM/370.  
Manual, 210 pages

GC28-6892

THE CICS FEATURE OF VIDEO/370 FEATURE NUMBERS 6085/6086 (OS) 6038/6039 (DOS)

The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
Flyer

GC28-8193

IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV LIBRARY ASCII SUPPORT PROGRAM NUMBER 5736-LM1

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. Design Objective Sheet, 2 pages

GC28-8194

IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV LIBRARY ASCII SUPPORT PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-LM1

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program Product Specifications, 3 pages

GC28-8200

SYSTEM/370 PROGRAM PRODUCTS: LANGUAGE AND SORT PROCESSORS - OS, DOS, VM/370-CMS (CATALOG)

This catalog is a quick reference to the IBM Program Products that provide language and sort/merge processing support for IBM System/370 and System/360 running:

- o OS (VS1, VS2, MFT, and MVT)
- o DOS and DOS/VS
- o CMS Subsystems of VM/370

The language products described here include compilers, the associated libraries, and various related user productivity aids for:

- o COBL
- o FORTRAN
- o PL/I
- o BASIC
- o APL
- o RPG
- o Assembler

IBM Program Products are made available under a licensing agreement; consult your IBM representative for information on obtaining Program Products.

A section on how to use this catalog is included, as well as four indexes to Program Products and Program Product Descriptions.  
Catalog, 36 pages

GC28-8201

IBM SYSTEM/360 OPERATING SYSTEM PL/I (F) LANGUAGE REFERENCE MANUAL

This publication consolidates documents outlining the status and use of the independent release of PL/I (F) Version 5. New features are noted, and information is provided on the system generation requirements and techniques. A list of all modules added, deleted or altered for this release is included. System Prose informs the user of the current maintenance status of PL/I (F).

IBM provides an operating system that can be used for system generation. The procedures required to initialize the starter system are also described in this publication. Language Reference Manual, 448 pages

GC28-8202

DOS AND TOS PL/I SUBSET REFERENCE MANUAL

This publication provides the rules for writing PL/I Subset programs that are to be compiled using the PL/I 0-level compiler under the IBM System/360 Disk and Tape Operating Systems. It is a reference to those features of the PL/I language implemented by the Fourth Version of the D-level compiler.

This publication is divided into two parts. Part I contains discussions of the concept of the language. Part II contains detailed rules and syntactic descriptions.

For information necessary to compile, link-edit, and execute a program, the reader should be familiar with the publication DOS and TOS PL/I (D) Compiler, Programmer's Guide, Order No. GC24-9005.

For a list of further related publications, refer to IBM System/360 Bibliography, Order No. GA22-6822.  
Manual, 250 pages

SC28-8300

B IS FOR BASIC AN INTRODUCTION TO VS BASIC UNDER TSO PROG. NO. 5748-XX1

This book is an elementary text describing a subset of the VS BASIC language as it is used under TSO. It is intended for readers who are unfamiliar with BASIC, with programming, and with computers. Readers with technical backgrounds, and readers who are already familiar with BASIC, should read the VS BASIC Language Reference Manual, Order No. GC28-8303, which contains a full description of the language, and the VS BASIC TSO Terminal User's Guide, Order No. SC28-8304, which contains a more detailed description of how to use VS BASIC under TSO.

The technical information contained in this book is summarized in a detachable reference guide appended to the back cover.  
Manual, 190 pages

GC28-8301

IBM SYSTEM/370 VS BASIC: PROGRAM PRODUCT DESIGN OBJECTIVES PROGRAM NUMBER 5748-XX1

The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
Flyer, 2 pages

GC28-8302

IBM SYSTEM/370 VS BASIC GENERAL INFORMATION - PROGRAM NUMBER 5748-XX1

This publication gives general information about VS BASIC, a new program product that operates in virtual storage systems: the time-sharing environments TSO (Time Sharing Option) of VS2 and CMS (Conversational Monitor System) of VM/370, and the batch environments of VS1, VS2, and DOS/VS. Included are descriptions of VS BASIC language capabilities, as well as information on operating system environments and compatibility considerations.

This publication is intended as an aid in evaluation and planning; it is not meant for the BASIC terminal user or batch programmer.  
Manual, 20 pages

GC28-8303

SYSTEM/370 VS BASIC LANGUAGE

This publication describes and illustrates the use of the VS BASIC Language. The first part presents language statement in a functional manner, taking the reader through various steps in planning a program. The second part is a reference section and presents VS BASIC language syntax and rules of usage.

The publication is intended to be used with an accompanying Terminal User's Guide or Programmer's Guide for the appropriate operating environment.  
Manual, 200 pages

SC28-8306

SYSTEM/370 VS BASIC CMS TERMINAL USER'S GUIDE  
PROG. NO. 5748-XX1

This publication provides the tutorial and reference information necessary to use the VS BASIC language to develop programs under the Conversational Monitor System (CMS) component of the Virtual Machine Facility/370 (VM/370). It contains detailed explanations of that portion of the VM/370 command language directly relevant to the needs of the typical VS BASIC user, a sample terminal session, a discussion of the interactive debugging commands, and other reference information, including a description of the batch processing facility.  
Manual

SC28-8308

SYSTEM/370 VS BASIC DOS/VS AND OS/VS PROGRAMMER'S GUIDE  
NO. 5748-XX1  
PROG. NO. 5748-XX1

This publication is directed to the VS BASIC user programming in the batch environment of OS/VS (VS1 or VS2) or DOS/VS, and describes how to compile and execute a program written in VS BASIC, a program product. It contains information about processor options used with the program product, and about job control statements needed to run the product.

It is intended to be used with System/370 VS BASIC Language, Order No. GC28-8303, to provide a complete guide to running VS BASIC in a batch environment.

No previous experience with either DOS/VS or OS/VS is required for use of this publication.  
Manual

GC28-8311

IBM SYSTEM/370 VS BASIC PROGRAM - SPECIFICATIONS NUMBER  
5748-XX1

The VS BASIC processor, which operates in time-sharing and batch environments, is used for compiling and executing programs written in the BASIC Language.

With VS BASIC, the user can execute a program immediately after compilation or can store it and execute it at a later time.

VS BASIC is designed to operate in virtual storage systems. It operates in the time-sharing environments: CMS (Conversational Monitor System) of VM/370 and TSO (Time Sharing Option) under VS2, and as a batch compiler under control of VS1, VS2, DOS/VS, and CMS Batch.  
Flyer

GC28-8313

VIDEO/370 INCLUDING THE CICS FEATURE GENERAL INFORMATION  
PROGRAM NUMBERS 5734-RC5 AND 5736-RC3

This publication gives an overview of IBM's VIDEO/370 system. The information herein is intended primarily for management personnel as an aid in planning and evaluation. Publications to assist in the actual operation of VIDEO/370 are listed under "Reference Material" on page 19.  
Manual, 22 pages

GC30-1007

OS/MFT AND OS/MVT TCAM COMPONENT LEVEL RELEASE GUIDE  
PROGRAM NUMBER 360S-CQ-548

This publication contains changes and additions to OS/MFT and OS/MVT systems publications as a result of component releases 2, 4, and 5 of OS TCAM. Publications updated by this publication are:

- o OS Messages and Codes - GC28-6631
- o OS Storage Estimates - GC28-6551
- o OS System Control Blocks - GC28-6628
- o Time Sharing Option Guide - GC28-6698
- o Time Sharing Option Command Language Reference GC-6732
- o Time Sharing Option (TSO) Control Program GY27-7199
- o OS Operator's Reference - GC28-6691
- o System Generation - GC28-6554

Manual, 160 pages

GC30-2003

IBM SYSTEMS REFERENCE LIBRARY MANUAL - IBM SYSTEM/360  
OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD  
MESSAGE PROCESSING PROGRAM SERVICES  
PROGRAM NUMBER 360S-CQ-519

This publication provides information on how to use the Queued Telecommunications Access Method (QTAM) within Option 2 (Multiprogramming with a Fixed Number of Tasks) or Option 4 (Multiprogramming with a Variable Number of Tasks) of the

System/360 Operating System to support a telecommunications application. Services provided by QTAM in support of a message processing program are described in detail, including the facilities provided to establish the interface to a QTAM message control program.

For detailed information on the QTAM facilities provided for the construction of a message control program, refer to the publication, IBM System/360 Operating System: QTAM Message Control Program (GC30-2005).  
Manual, 52 pages

GC30-2004

IBM SYSTEM/360 OPERATING SYSTEM BASIC TELECOMMUNICATIONS  
ACCESS METHOD PROGRAM NUMBER 360S-CQ-513

This publication describes the Basic Telecommunications Access Method (BTAM) available with the System/360 Operating System. BTAM provides facilities that enable an assembler-language programmer to write a teleprocessing control program that effects communications at the Read/Write level between a System/360 and a variety of computers and terminals connected to the System/360 over common-carrier or private-wire communications networks. BTAM employs both start-stop and binary synchronous (BSC) communications techniques, depending on the type of remote station.

Typical BTAM applications include data acquisition, message switching, and inquiry processing.

The publication explains some concepts of teleprocessing and BTAM, describes line control and message transmission techniques, and describes each of the BTAM macro instructions and facilities needed to construct a control program. The READ and WRITE macro instructions applicable for each type of remote station and line configuration are given, along with the channel programs generated for each type.

Prerequisite to use of this publication is a knowledge of System/360 assembly language and data management facilities.

Systems Reference Library Manual, 210 pages

GC30-2005

IBM SYSTEMS REFERENCE LIBRARY  
IBM SYSTEM/360 OPERATING SYSTEM QUEUED TELECOMMUNICATIONS  
ACCESS METHOD MESSAGE CONTROL PROGRAM  
PROGRAM NUMBER 360S-CQ-519

This publication contains specifications on the use of the Queued Telecommunications Access Method (QTAM) and the IBM System/360 Operating System to support telecommunications applications. Information in this publication will facilitate the construction of a QTAM message control program by the problem programmer. Complete descriptions of QTAM macro instructions are included.

For detailed information on the services provided by QTAM to support a message processing program, refer to IBM System/360 Operation System: QTAM Message Processing Program Services, (GC30-2003).

Systems Reference Library - 227 pages

GC30-2006

IBM SYSTEM/360 OPERATING SYSTEM REMOTE JOB ENTRY  
PROGRAM NUMBER 360S-RC-536

This publication is designed to present the general concepts and facilities of Remote Job Entry (RJE). RJE allows users at remote locations to submit jobs over communications lines to an IBM System/360. It is available to users with either multiprogramming version of the IBM System/360 Operating System: multiprogramming with a variable number of tasks (MVT) or multiprogramming with a fixed number of tasks, version 2 (MFT).

Information on the capabilities and uses of RJE, on the operating environments, and on work station states and activities is included for the systems programmer and operator. The Job Entry Control Language is introduced and explained. The Job Entry Definition Statement, work station commands, messages sent to work stations, and central commands are discussed in terms of their functions, and how the user employs them in programs.

A discussion of RJE generation includes the necessary macro instructions. Communication Serviceability Facilities, such as error recovery procedures, and system restart procedures, are discussed separately as well as with the work stations.

A discussion of programming information for the 2780 Data Transmission Terminal and for the 1130 Computing System is included.

Systems Reference Library Manual, 126 pages

GC30-2015

IBM SYSTEM/360 OPERATING SYSTEM REMOTE JOB ENTRY -  
PLANNING FOR IBM 2770 RJE SUPPORT

This publication is a planning aid only. It is intended for use prior to the availability of Remote Job Entry (RJE) support for the IBM 2770 Data Communications System with 2772 Multipurpose Control Unit and will be replaced by reference documentation when that support becomes available. It describes the control unit, the input/output devices supported, and the RJE functions that will be available.

Information herein applies only to the 2772 Multipurpose Control Unit of the 2770 system; full information on RJE is contained in the publication IBM SYSTEM/360 OPERATING SYSTEM Remote Job Entry order number GC30-2006.  
Systems Reference Library Manual, 12 pages

GC30-2024

OS TCAM PROGRAMMER'S GUIDE AND REFERENCE MANUAL  
PROGRAM NUMBER 360S-CQ-548

This book is a reference manual and coding guide for the programmer who must construct or modify a TCAM Message Control Program (MCP), or who must write a TCAM-compatible application program. It explains how to write a TCAM MCP, how to write a TCAM compatible application program, and how to use a variety of auxiliary service facilities. Also included is information that might be of use in planning and setting up a teleprocessing system incorporating TCAM, and information for designing message-handling facilities for the user who incorporates the IBM System/360 Operating System Time Sharing Option (TSO) into his system. The reader is expected to familiar with the contents of the publication Concepts and Facilities, Order Number GC30-2022. Manual, 450 pages

GC30-2026

IBM SYSTEM/360 OPERATING SYSTEM CONVERSION GUIDE FROM  
QUEUED TELECOMMUNICATIONS ACCESS METHOD OR BASIC  
TELECOMMUNICATIONS ACCESS METHOD TO TELECOMMUNICATIONS  
ACCESS METHOD SYSTEM REFERENCE LIBRARY  
PROGRAM NUMBER 360S-CQ-548

This publication provides a summary of the information needed to convert a QTAM or BTAM system to TCAM. It briefly describes the similarities and differences between QTAM and TCAM, and between BTAM and TCAM.

The first section describes QTAM macros, macro operands, service facilities, internals, and their TCAM replacements. A working knowledge of QTAM is required for understanding this part of the publication.

The second section describes BTAM macros, macro operands, additional facilities, and their TCAM equivalents. Concepts of TCAM as they relate to BTAM are provided as reprogramming aids. A working knowledge of BTAM is required for understanding this part of the publication.

Both sections are meant to be used in conjunction with the IBM SYSTEM/360 OPERATING SYSTEM TELECOMMUNICATIONS ACCESS METHOD (TCAM) PROGRAMMER'S GUIDE AND REFERENCE MANUAL (GC30-2024).

Manual, 34 pages

GC30-2028

PLANNING FOR TCAM WITH THE IBM 3705 COMMUNICATIONS  
CONTROLLER  
PROGRAM NUMBER 360S-CQ-548

This publication is a planning guide for managers and system programmers who wish to add the IBM 3705 Communications Controller to an existing TCAM system, or to install a TCAM system using the 3705 as a control unit.

Planning Guide, 28 pages

GC30-3000

3704 AND 3705 COMMUNICATIONS CONTROLLERS, NETWORK CONTROL  
PROGRAM GENERATION & UTILITIES, GUIDE & REFERENCE MANUAL  
(FOR OS/MFT & OS/MVT TCAM USERS), PROG. NO. 360H-TX-038

Provides the information necessary to (1) define and generate a network control program for the IBM 3705 Communications Controller, (2) load the program into the controller, and (3) dump the contents of controller storage.

The network control program controls the transmission of data between the central processing unit to which the communications controller is attached, and the remote stations of a teleprocessing network. The program also performs limited message processing, such as inserting date and time information in message blocks.

This publication is directed to the systems analyst or systems programmer responsible for defining and generating a network control program and loading it into the communications controller. Note: This publication is a preliminary edition, and is to be used for planning purposes only. Any portion of the content is subject to change.

The publication is organized as follows:

Chapter 1 - introduces the network control program and summarizes the content of the book.

Chapter 2 - assists the programmer in defining a network control program.

Chapter 3 - gives detailed descriptions of the macro instructions with which the programmer defines the network control program.

Chapter 4 - describes the program generation procedure.

Chapters 5 and 6 - explain how to use the Loader and Dump utility programs, respectively.

The appendixes list the teleprocessing devices with which the communications controller can communicate using the network control program, and list the messages produced by the program generation procedure and utility programs.

Before using this publication the reader should be familiar with the contents of Introduction to the IBM 3705 Communications Controller, GA27-3051. Systems Library, 168 page

GC30-3001

IBM 3735 PROGRAMMER'S GUIDE (OS, DOS, AND VS SYSTEMS)

This publication provides system programmers, application programmers, and operators with the information they need to use IBM 3735 Programmable Buffered Terminal facilities in a teleprocessing system.

All readers should have a general knowledge of System/360 and System/370 data processing techniques in a teleprocessing environment. Those responsible for designing or installing part or all of a system that includes IBM

3735 terminals should have a detailed knowledge of teleprocessing systems.

All users of this book should be familiar with the information contained in IBM 3735 Programmable Buffered Terminal Concept and Application, GA27-3043, which describes the operating characteristics and features of the 3735 terminal. Programmer's Guide, 200 pages

GC30-3002

3704 & 3705 COMMUNICATIONS CONTROLLERS, EMULATION PROGRAM  
GENERATION AND UTILITIES, GUIDE AND REFERENCE MANUAL  
PROG. NOS. 360H-TX-033,35,36; 5735-SC1; 5744-AN1, 5747-AG1

The purpose of this publication is to provide the information necessary to generate the IBM 3705 Emulation Program using emulation generation macro instructions. The book is intended for analysts and programmers responsible for generation and maintenance of Emulation Programs and for IBM systems engineers and field engineers.

The Emulation Program allows the 3705 Communications Controller to operate as an IBM 2701, 2702, or 2703 Transmission Control Unit, or any combination of the three. This publication describes the Emulation Program generation procedure, the loader utility, and the Dump utility. Error messages for each program are also provided. The prerequisite publication for this manual is Introduction to the IBM 3705 Communications Controller, GA27-3051. Manual, 84 pages

GC30-3003

3704 AND 3705 COMMUNICATIONS CONTROLLERS ASSEMBLER LANGUAGE

This publication is a reference manual for the systems programmer, the systems engineer and the applications programmer coding in the IBM Communications Controller Assembler Language.

The publication is similar to the IBM System/360 Operating System Assembler Language publication, GC28-6514. The Communications Controller Assembler is similar to the OS Assembler (level F) and the DOS Assembler (level D). The similarity is intended to aid the Communications Controller programmer who already has OS or DOS Assembler knowledge.

Chapter 1 introduces the assembler language and describes the major differences between the language and the OS and DOS Assembler language. Chapter 2 presents basic assembler language concepts. Chapter 3 describes instruction alignment, machine instruction mnemonics, machine formats and briefly describes the extended mnemonics.

Chapter 4 discusses the instructions to the assemblers, including symbol definition, data definitions, program sectioning and linkages, symbolic linkages, base register instructions, listing control and program control instructions. Chapter 5 describes the macro language and the procedures for its use.

Appendixes A through E contain a summary of assembler language features and usage. Appendix F describes the job control language and the storage requirements necessary to produce an assembly, and Appendix G contains messages and codes helpful in debugging a program.

Before using this publication, the reader should be familiar with basic programming concepts and techniques. The prerequisite publication is Introduction to the IBM 3705 Communications Controller, GA27-3051. Corequisite to this publication is the IBM 3705 Communications Controller Principles of Operation, GC30-3004.

The contents of this publication apply to both OS and DOS users unless noted differently in the text. Manual, 116 pages

GC30-3004

IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS PRINCIPLES OF  
OPERATION

This publication is the machine reference manual for the IBM 3704 and 3705 Communications Controllers. It provides a direct comprehensive description of (1) the controllers' functional components, (2) the arithmetic, logical, branching, status switching, and input/output operations, and (3) the priority interrupt scheme.

It is intended to provide any 3704/3705 user with the knowledge of the controller hardware requirements needed to write or modify a 3704 or 3705 control program. The reader is assumed to have a basic knowledge of data processing and teleprocessing systems and to have read the Introduction to the IBM 3704 and 3705 Communications Controllers, GA27-3051, which describes the system briefly and describes the features available. Manual, 168 pages

GC30-3005

3704 & 3705 COMMUNICATIONS CONTROLLERS, EMULATION PROGRAM  
STORAGE & PERFORMANCE REFERENCE MANUAL

This publication has two purposes (1) to assist you in determining the storage requirements for the IBM 3705 Emulation Program, and (2) to assist you in determining the 3705 line attachment capability and proper arrangement of lines on the Communications controller's internal priorities for best Emulation Program performance. The publication is intended for systems analysts and systems programmers responsible for defining and generating an Emulation Program, and for IBM systems engineers and salesmen.

Chapter 1 summarizes the contents of the book. Chapter 2 defines storage requirements. Chapter 3 defines formulas and procedures for establishing line speeds and priorities

for best performance.

You should be familiar with the information contained in the IBM 3705 Communications Controller Emulation Program Generation and Utilities, Guide and Reference Manual, GC30-3002. A related publication is the IBM 3705 Communications Controller Principles of Operation, GC30-3004. Manual, 30 pages

## GC30-3006

IBM 3705 COMMUNICATIONS CONTROLLER NETWORK CONTROL PROGRAM STORAGE AND PERFORMANCE ESTIMATES FOR OS/TCAM AND OS/VIS TCAM USERS, PROG. NOS. 360H-TX-034, 360S-CQ-548, 5735-SC2  
This publication is to be used for planning a network configuration for the IBM 3705 Communications Controller Network Control Program and for determining storage requirements for that program.

The publication was written for systems analysts, systems programmers, IBM systems engineers, and IBM salesmen who are planning for network control program storage requirements and performance.

The first section of the manual shows how to determine total storage by first determining the individual requirements for base and use coding, line and device support, tables, control blocks, buffers, and optional system functions.

The second section describes the system generation operands and the various combinations of line speeds and priorities that affect performance. Prerequisite publication: IBM 3704 and 3705 Communications Controller Network Control Program Generation and Utilities Guide and Reference Manual, GC30-3000. Manual, 44 pages

## GC30-3009

NCP/TCAM NETWORK USER'S GUIDE - PROG. NO. 5735-SC2

This publication is a guide for the user of a communication network controlled by the IBM Network Control Program (NCP) and the Telecommunications Access Method (TCAM). It describes how to generate an efficient NCP/TCAM network, how NCP/TCAM functions, and how to perform problem isolation when necessary.

The user's guide is written primarily for the system programmer who installs a communication network and the IBM field engineering representative who supports its programming.

The two major areas of discussion are how a network functions normally and what to do when it fails. These areas are presented in the following sections.

- o Section 1 - Introduction to the NCP/TCAM network is an overview of the network and its operation.
- o Section 2 - How NCP and TCAM communicate describes the data exchange between NCP in a IBM Communications Controller and TCAM in a host computer.
- o Section 3 - How NCP operates the communications controller discusses the function of NCP within the controller to handle data and ensure its integrity, as well as how to employ the user's own code in block handling routines.
- o Section 4 - How NCP/TCAM controls the communication network explains the data exchange between the computer terminal, the lines, line control, terminals, sessions, connections, and line error recovery.
- o Section 5 - How to diagnose the NCP/TCAM network offers troubleshooting aids and suggestions of what to do when there is a network failure.
- o Finally, there is a collection of reference data for your convenience -- appendixes containing a sample program, reference codes and formats, and generation macros, and a glossary of network terms.

This guide to the network will enhance your understanding of the options available for optimizing performance in your specific network. It can be useful in generating an efficient system and helpful in diagnosing a failure when it occurs. This publication does not attempt to teach the modification of network software; however, it does explain the tools for performing problem determination and suggests some techniques useful in isolating software problems. Manual, 150 pages

## GC30-3020

TELEPROCESSING PREINSTALLATION GUIDE FOR IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS

Teleprocessing Preinstallation Guide for IBM 3704 and 3705 Communications Controllers GC30-3020)

This publication lists the equipment characteristics of the teleprocessing network and communications controller that the user must specify when coding an emulation program or network control program. The publication consists of a series of tables, one for each type of station supported by the program and one for each type of line set with which the controller can be equipped. Each table gives the appropriate values to code for the station or line set represented. For some characteristics several values are listed, the appropriate choice depending on how the user's station is equipped (for instance, which transmission code it employs) or in which of alternate modes he wishes the station or line to operate. In these cases, accompanying notes suggest where the user may learn the values appropriate for his installation.

A companion publication, Teleprocessing Installation Record for IBM 3704 and 3705 Communications Controllers (GC30-3021), is useful for recording the equipment characteristics of a particular teleprocessing installation as a guide for coding programs for the communications

controller.  
Manual, 128 pages

## GC30-3021

TELEPROCESSING INSTALLATION RECORD FOR IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS

This publication provides the user with a convenient means for recording the details of his 3704 or 3705 based teleprocessing configuration existing or planned that he must know before coding an emulation program or network control program. As furnished, the publication consists of a series of formatted charts, each of which as appropriately labeled spaces representing the information items pertinent to a particular type of communication line (such as a multipoint line) and the stations associated with that line. A chart is also provided for recording the hardware units installed in the communications controller, along with related information such as line interface and subchannel addresses used.

From the package of charts provided the user selects the number and types appropriate to his teleprocessing configuration. Upon filling in the information indicated and assembling the charts into a binder, he has a convenient record of his configuration that gives much of the information needed to code a program appropriate to his installation. (The charts also contain spaces for related information not needed in coding the program; for example, common-carrier circuit numbers.)

A companion publication, Teleprocessing Preinstallation Guide for IBM 3704 and 3705 Communications Controllers (GC30-3020), provides guidance in selecting many of the parameters to be documented in the installation record. Manual, 20 pages

## GC30-5001

IBM SYSTEM/360 DISK OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD PROGRAM NUMBER 360N-CQ-469

This publication describes the Basic Telecommunications Access Method (BTAM) used with the System/360 Disk Operating System (DOS) control program. BTAM provides READ/WRITE level macro instructions for the assembler-language programmer who is implementing programs for telecommunications applications.

Included are macro instruction formats and descriptions and specific information on device-dependent considerations. Systems Reference Library Manual, 192 pages

## GC30-5003

DOS QTAM MESSAGE PROCESSING SERVICES, PROG. NO. 360N-CQ-470

This publication provides information on use of the Queued Telecommunications Access Method (QTAM) and the System/360 Disk Operating System for a telecommunications application. Services provided by QTAM in support of a message processing program are described in detail, including the facilities provided to establish the interface to a QTAM message control program and to examine and modify the telecommunications system.

The QTAM facilities provided for the construction of a message control program are presented in IBMs publication GC30-5004, System/360 DOS QTAM Message Control Program.

For titles and abstracts of other associated publications, see the IBM System/360 Bibliography (GA22-6822). Manual

## GC30-5004

IBM SYSTEM/360 DISK OPERATING SYSTEM QTAM MESSAGE CONTROL PROGRAM PROGRAM NUMBER 360N-CQ-470

This reference publication contains specifications for the use of the Queued Telecommunications Access Method (QTAM) and of the IBM System/360 Disk Operating System in a telecommunications application. Complete description of QTAM macro instructions are included along with information to aid the problem programmer in constructing a QTAM message control program.

For detailed information on the services provided by QTAM to support a message processing program, refer to the publication IBM SYSTEM/360 DISK OPERATING SYSTEM, QTAM MESSAGE PROCESSING PROGRAM SERVICES Form C30-5003.

For titles and abstracts of other associated publications, see IBM SYSTEM/360 BIBLIOGRAPHY (GA22-6822). Systems Reference Library Manual, 224 pages

## GC33-0001

OS PL/I OPTIMIZING COMPILER: GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-PL1

This manual introduces and describes the compiler and the associated resident and transient libraries. The information is provided for use as a planning aid only, and is intended to assist both existing and prospective users of PL/I. Topics covered in the manual include:

- o Design philosophy and performance of the compiler
- o Optimization facilities provided
- o Comparison with the PL/I (F) Compiler
- o Machine and system requirements of the compiler
- o Summary of the PL/I language implemented
- o Bibliography of related publications

The reader is assumed to be familiar with PL/I and with the Operating System.

Program product manual, 44 pages



GC33-0003

OS PL/I CHECKOUT COMPILER: GENERAL INFORMATION  
PROGRAM NUMBERS 5734-PL2, 5734-LM4

This manual introduces and describes the compiler and the associated resident and transient libraries. The information is provided for use as a planning aid only, and is intended to assist both existing and prospective users of PL/I. Topics covered in the manual include:

- o Design philosophy and performance of the compiler
- o Compiler options provided
- o Summary of the PL/I language implemented
- o Comparison with the PL/I (F) Compiler
- o Machine and system requirements of the compiler
- o Discussion of the complementary use of the PL/I Checkout and PL/I Optimizing Compilers
- o Bibliography of related publications

The reader is assumed to be familiar with PL/I and with the Operating System.  
Manual, 58 pages

GC33-0004

DOS PL/I OPTIMIZING COMPILER: GENERAL INFORMATION MANUAL -  
PROG. PROD. 5736-PL1

This manual introduces and describes the compiler and the associated resident and transient libraries. The information is provided for use as a planning aid only, and is intended to assist both existing and prospective users of PL/I.

- Topics covered in the manual include:
- . Design philosophy and performance of the compiler
  - . Optimization facilities provided
  - . Comparison with the PL/I D Compiler
  - . Machine and system requirements of the compiler
  - . Summary of the PL/I language implemented
  - . Bibliography of related publications

The reader is assumed to be familiar with PL/I and with the Disk Operating System.  
Manual, 48 pages

GC33-0005

DOS PL/I OPTIMIZING COMPILER: LANGUAGE REFERENCE MANUAL  
PROGRAM NOS. 5736-PL1, AND 5736-PL3

This publication is the primary source of information on the language implemented by the DOS PL/I Optimizing Compiler. It is a reference manual rather than a tutorial text, and the reader is assumed to have some previous knowledge of PL/I.

The manual contains information on how to write a PL/I source program. For information on how to compile, link-edit, and execute the program, reference should be made to DOS PL/I Optimizing Compiler: Programmer's Guide (SC33-0008).  
SRL, 472 pages

SC33-0006

OS PL/I OPTIMIZING COMPILER - PROGRAMMER'S GUIDE  
PROGRAM NUMBERS 5734-PL1, 5734-LM4, 5734-LM5

This manual is a companion volume to OS PL/I Optimizing and Checkout Compilers: Language Reference Manual (SC33-0009) and OS/360 Time Sharing Option: PL/I Optimizing Compiler (SC33-0029). The three manuals form a guide to the writing and execution of PL/I programs using the optimizing compiler and the associated resident and transient libraries in the batch and time-sharing environments of the IBM Operating System.

The programmer's guide is concerned with the relationship between a PL/I program, the optimizing compiler, and the operating system. It explains how to compile, link-edit, and execute a program in a batch environment, and it introduces job control language, the linkage editor, and the loader, data management, and other operating system features that may be required by a PL/I programmer.  
SRL Manual, 248 pages

SC33-0007

SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER  
PROGRAMMER'S GUIDE - PROGRAM NUMBERS 5734-PL2, 5734-LM5

This manual is a companion volume to OS PL/I Optimizing and Checkout Compilers: Language Reference Manual, Order No. SC33-0009, and the OS Time Sharing Option: PL/I Checkout Compiler, Order No. SC33-0033. The three manuals form a guide to the writing and execution of PL/I programs using the checkout compiler and the transient library in the batch and time-sharing environments of the IBM Operating System.

The programmer's guide is concerned with the relationship between a PL/I program, the checkout compiler, and the operating system. It explains how to use the checkout compiler to run a PL/I program in a batch environment, and introduces job control language, the linkage editor, the loader, data management, and other operating system features that may be required by a PL/I programmer.  
Programmer's Guide, 216 pages

SC33-0008

DOS PL/I OPTIMIZING COMPILER: PROGRAMMER'S GUIDE - PROGRAM  
PRODUCTS 5736-PL1, 5736-LM4 AND 5736-LM5

This manual is a companion volume to the DOS PL/I Optimizing Compiler: Language Reference Manual (Order Number GC33-

0005). The two manuals form a guide to the writing and execution of PL/I programs using the optimizing compiler and the associated resident and transient libraries under the IBM Disk Operating System.

The programmer's guide is concerned with the relationships between a PL/I program, the optimizing compiler, and the operating system. It explains how to compile, link-edit, and execute a PL/I program, and it introduces job control language, the linkage editor, data management, and other operating system features that may be required by a PL/I programmer.  
Manual, 200 pages

GC33-0009

OS PL/I OPTIMIZING AND CHECKOUT COMPILER  
LANGUAGE REFERENCE MANUAL

PROGRAM NUMBERS 5734-PL1, 5734-PL2, 5734-PL3

This publication is the primary source of information on the language implemented by the PS PL/I Optimizing and Checkout Compilers. It is a reference manual rather than a tutorial text, and the reader is assumed to have some previous knowledge of PL/I.

The manual contains information on how to write a PL/I source program. For information on how to compile, link-edit, and execute the program, reference should be made to the appropriate programmer's guide.  
Manual, 526 pages

GC33-0010

DOS PL/I OPTIMIZING COMPILER PROGRAM PRODUCT DESIGN  
OBJECTIVES - PROGRAM NUMBER 5736-PL1

The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
Flyer, 3 pages

GC33-0013

IBM SYSTEM/360 OPERATING SYSTEM PL/I OPTIMIZING COMPILER  
DESIGN OBJECTIVES - PROGRAM NUMBER 5734-PL1

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.  
Design Objectives, 2 pages

GC33-0016

DOS PL/I OPTIMIZING COMPILER PROGRAM PRODUCT SPECIFICATIONS  
PROGRAM NUMBER 5736-PL1

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Two Sheets

GC33-0017

DOS PL/I RESIDENT LIBRARY PROGRAM PRODUCT SPECIFICATIONS  
PROGRAM NUMBER 5736-LM4

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Single Sheet

GC33-0018

DOS PL/I TRANSIENT LIBRARY PROGRAM PRODUCT SPECIFICATIONS  
PROGRAM NUMBER 5736-LM5

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Single Sheet

SC33-0019

DISK OPERATING SYSTEM/360 PL/I OPTIMIZING COMPILER:  
EXECUTION LOGIC PROGRAM NUMBERS 5736-PL1, 5736-LM4,  
5736-LM5

This publication describes the object module produced by the DOS PL/I Optimizing Compiler, and explains how the compiled code uses subroutines from the resident and transient libraries of the optimizing compiler.

The topics covered include program initialization, storage management, input/output, error handling, and interlanguage communication. The use of storage dumps for debugging is also explained.

The manual is intended primarily for programmers concerned with maintenance of the compiler and its libraries. It will also be useful for applications programmers who require an understanding of the processes of execution (for example, to link PL/I and Assembler-language routines).  
SRL Manual, 284 pages

SC33-0020

DOS PL/I OPTIMIZING COMPILER: INSTALLATION  
PROGRAM NOS. 5736-PL1, LM4, LM5

This publication is primarily for readers who are responsible for the installation of the DOS PL/I Optimizing Compiler, DOS PL/I Resident Library, and DOS PL/I Transient Library. The publication describes how to install the compiler and associated libraries, and provides the storage requirements of the three products.

The reader responsible for installation should already be familiar with the IBM Operating Systems and their job control language.

This publication supplements certain system publications by providing the system-related information which applies

particularly to the program products named above.  
Manual, 40 pages

Program Product Specifications, 4 sides

## SC33-0021

DOS PL/I OPTIMIZING COMPILER: MESSAGES MANUAL, PROG. PROD. 5736-PL1, 5736-LM5  
This manual lists all the messages that may be issued by the DOS PL/I Optimizing Compiler during processing of a PL/I Program. Where appropriate, explanations, examples, and suggested programmer responses are included.  
Manual, 160 pages

## GC33-0022

SYSTEM/360 OS PL/I OPTIMIZING COMPILER PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-PL1  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Flyer, 2 sheets

## GC33-0023

OS PL/I RESIDENT LIBRARY - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-LM4  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Flyer, 1 sheet

## GC33-0024

OS PL/I TRANSIENT LIBRARY - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-LM5  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Flyer, 1 sheet

## SC33-0025

OS PL/I OPTIMIZING COMPILER: EXECUTION LOGIC PROGRAM NOS. 5734-PL1, 5734-LM4 AND 5734-LM5  
This publication describes the object module produced by the OS PL/I Optimizing Compiler, and explains how the compiled code uses subroutines from the resident and transient libraries of the optimizing compiler.

The topics covered include program initialization, storage management, input/output, error handling, and interlanguage communication. The use of storage dumps for debugging is also explained.

The manual is intended primarily for programmers concerned with maintenance of the compiler and its libraries. It will also be useful for applications programmers who require an understanding of the processes of execution (for example, to link PL/I and Assembler-language routines).  
Systems Library, 364 pages

## SC33-0026

OS PL/I OPTIMIZING COMPILER: INSTALLATION - PROGRAM NUMBERS 5734-PL1, 5734-LM4, AND 5734-LM5 NOTE: THESE PRODUCTS ARE ALSO DISTRIBUTED AS COMPLETE PACKAGE 5734-PL3  
This publication is intended primarily for programmers responsible for installing the OS PL/I Optimizing Compiler and the associated resident and transient libraries. It gives detailed information on Installation Procedures and Storage Estimates.  
Manual, 130 pages

## SC33-0027

OPERATING SYSTEM PL/I OPTIMIZING COMPILER: MESSAGES PROG. NOS. 5734-PL1, 5734-LM5  
This publication lists all the messages that may be issued by the OS PL/I Optimizing Compiler and the associated transient library during processing of a PL/I program. Both the long and short forms of each message are listed where applicable. The messages are in three groups:

- o Compile-time messages (generated by the compiler during compilation of a PL/I source program)
- o Execution-time messages (generated by the transient library during execution of the compiled program)
- o Prompter messages (generated by the compiler when it is used in a time-sharing environment)

Where appropriate, explanations of the messages and suggested programmer responses are included.  
System Reference Library Manual, 220 pages

## SC33-0029

OS PL/I OPTIMIZING COMPILER: TSO USER'S GUIDE  
This book describes how to use the facilities of TSO to create a PL/I program, to compile it using the PL/I Optimizing Compiler, and to execute it. The reader is assumed to be familiar with PL/I but not with TSO. The book contains the definitive description of the PL/I command. It gives sufficient information for a PL/I programmer to start using TSO effectively without reference to any other publications.  
Manual, 118 pages

## GC33-0030

OS PL/I CHECKOUT COMPILER - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-PL2  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.

## SC33-0031

OS PL/I CHECKOUT COMPILER: INSTALLATION - PROGRAM PRODUCTS 5734-PL2 AND 5734-LM5  
This publication is intended primarily for programmers responsible for installing the OS PL/I Checkout Compiler and the associated transient library. It is divided into three parts which give detailed information on Installation Procedures and Storage Estimates.  
Manual, 72 pages

## SC33-0032

SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER EXECUTION LOGIC MANUAL - PROGRAM NUMBERS 5734-PL2 5734-LM5  
The PL/I Checkout Compiler operates in two distinct stages: translation and interpretation. During translation, the original PL/I source program is converted into an intermediate code. During interpretation, this code is interpreted to achieve the effect of object-time execution. This manual describes those aspects of interpretation which are common to all PL/I programs processed in this way. The topics covered include program initialization; input/output; storage management; error handling; conversational processing; the use of storage dumps for debugging; and interlanguage communication. The manual is intended primarily for programmers responsible for the maintenance of the compiler and its library. It will also be useful for application programmers who require an understanding of the process of execution.  
Manual, 280 pages

## SC33-0033

OS PL/I CHECKOUT COMPILER: TSO USER'S GUIDE - PROGRAM NUMBER 5734-PL2  
This book describes how to use the facilities of TSO to create a PL/I program, and to debug and execute it using the PL/I Checkout Compiler. The reader is assumed to be familiar with PL/I but not with TSO. The book contains the definitive descriptions of the PLIC command and its subcommands. It gives sufficient information for a PL/I programmer to start using TSO effectively without reference to any other publications.  
Manual, 252 pages

## SC33-0034

SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER: MESSAGES MANUAL - PROGRAM NUMBERS 5734-PL2, 5734-LM5  
This manual is an essential source of reference for users of the PL/I checkout compiler in either the batch or TSO environment. It describes the components of the messages that can be produced by the compiler when processing a PL/I program. Then it lists each message and provides additional information in many cases. The messages are divided into two groups -- those that can be produced by the compiler during preprocessing, translation, and interpretation (in conjunction with the PL/I Transient Library), and those that can be produced by the PL/I Prompter when invoking the compiler in a TSO environment. As users of the PL/I checkout compiler, readers should have an understanding of the information in the PL/I Optimizing and Checkout Compilers Language Reference Manual (SC33-0009), and the PL/I Checkout Compiler Programmer's Guide, (SC33-0007), and also, for TSO users, the manual TSO: PL/I Checkout Compiler (SC33-0033).  
Manual, 180 pages

## SC33-0035

DOS PL/I OPTIMIZING COMPILER: MESSAGES SYSTEM LIBRARY MANUAL PROGRAM NUMBER 5736-LM5  
Lists all the messages that may be issued by the DOS PL/I Transient Library during execution of the program compiled by the DOS PL/I optimizing compiler. Where appropriate, explanations, examples, and suggested programmer responses are included.  
Manual, 44 pages

## GC33-0036

PL/I UNDER CMS - PROGRAM PRODUCT DESIGN OBJECTIVES: PL/I OPTIMIZING COMPILER, PROG. NO. 5734-PL1 PL/I RESIDENT LIBRARY, PROG. NO. 5734-LM4 PL/I TRANSIENT LIBRARY, PROG. NO. 5734-LM5  
This flyer spells out the design objectives of PL/I to be available under CMS.  
Flyer, 1 page

## SC33-0037

OS PL/I OPTIMIZING COMPILER: CMS USERS GUIDE - PROGRAM NUMBER 5734-PL1  
This manual provides the information required to use the OS PL/I Optimizing Compiler under CMS. Using the OS PL/I Optimizing Compiler under CMS allows PL/I source programs to be compiled, debugged, and executed from a terminal with the maximum efficiency. The book is intended for all programmers who use the OS PL/I Optimizing Compiler under CMS. It contains a brief tutorial introduction followed by reference data covering:

1. The syntax and options of PLIOPT, the command that

- invokes the OS PL/1 Optimizing Compiler.
- The compile-time and execution-time options that can be used with the OS PL/1 Optimizing Compiler.
  - The restrictions that apply to PL/1 when it is used under CMS.
- Manual, 76 pages
- GC33-0041  
OS/ PL/I CHECKOUT COMPILER, VERSION 1 RELEASE 2: PROGRAM PRODUCT 5734-PL2 DESIGN OBJECTIVES  
 The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
 Flyer, 1 page
- GC33-0046  
DOS PL/I OPTIMIZING COMPILER, RESIDENT LIBRARY & TRANSIENT LIBRARY: PROG. PRODS. 5736-PL1, LM4, LM5, DESIGN OBJECTIVES  
 The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
 Design objectives, 2 pages
- SC33-0047  
OS PL/I CHECKOUT COMPILER: CMS USER'S GUIDE - PROGRAM NUMBERS: 5734-PL2, 5734-LM5  
 This book explains, for the users of the Conversational Monitor System (CMS), how to invoke the PL/I Checkout Compiler and use its conversational facilities. The reader is assumed to have a basic knowledge of PL/I and of CMS. The book provides enough information to allow the reader to enter, compile, debug, and execute a straightforward PL/I program under CMS, together with a full description and examples of how to use the interactive debugging facilities of the checkout compiler. It also contains reference data covering:
  - The special restrictions and conventions that apply to PL/I when it is compiled by the checkpoint compiler and executed under CMS.
  - The syntax of the PLIC and PLICR commands, subcommands, and options.
  - The restrictions and conventions that apply to PL/I statements used in immediate mode.
 Manual, 204 pages
- GC33-0048  
OS PL/I CHECKOUT COMPILER, VERSION 1 RELEASE 2 MODIFICATION 1: PROGRAM PRODUCT 5734-PL2 DESIGN OBJECTIVES  
 The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
 Program Product Design Objective, 2 pages
- GC33-2000  
IBM SYSTEM/360 CONVERSION AIDS: ALGOL-TO-PL/I LANGUAGE CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATING SYSTEM, PROGRAM NUMBER 360C-CV-711  
 This document provides information on the ALGOL-to-PL/I Language Conversion Program for IBM System/360.  
 The System/360 ALGOL-to-PL/I Language Conversion Program (LCP) assists in the transition to PL/I by converting System/360 Operating System ALGOL programs into PL/I programs. The LCP itself is written in System/360 Operating System PL/I language. It is distributed in object module form for inclusion in the user's system library.  
 Systems Reference Library Manual, 68 pages
- GC33-2001  
IBM SYSTEM/360 CONVERSION AIDS: COBOL-TO-PL/I LANGUAGE CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATION SYSTEM PROGRAM NUMBER 360C-CV-712  
 The System/360 COBOL-to-PL/I Language Conversion Program (LCP) assists in the transition to PL/I by converting System/360 Operation System COBOL programs compilable by the E and F-level compilers into PL/I (F) programs. It is distributed in object module form for inclusion in the user's system library.  
 The user should have an understanding of the System/360 Operating System and be familiar with the following publications:
  - Common Business Oriented Language (COBOL), General Information, Form F28-8053
  - IBM System/360 Operating System, COBOL Language, Form C28, 6516
  - IBM System/360 Operating System, PL/I (F) Programmer's Guide, Form C28-6594
  - IBM System/360 Operating System, COBOL (F) Programmer's Guide, Form C28-6380
  - IBM System/360, PL/I Reference Manual, Form C28-8201
  - A Guide to PL/I for Commercial Programmers, Student Text, Form C20-1651
 Manual, 121 pages
- GC33-2002  
IBM SYSTEM/360 CONVERSION AIDS: FORTRAN IV-TO-PL/I LANGUAGE CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATING SYSTEM - SRL MANUAL - PROGRAM NUMBER 360C-CV-710  
 The System/360 FORTRAN IV-to-PL/I Language Conversion Program (LCP) assists in the transition to PL/I by converting FORTRAN IBM programs into PL/I programs. The LCP is distributed in object module form for inclusion in the user's system library.  
 The user should have an understanding of the System/360 Operating System and be familiar with the following publications:
  - IBM System/360 FORTRAN IV Language, Form GC28-6515
  - IBM System/360 Basic FORTRAN IV Language, Form GC28-6629
  - IBM System/360 Operating System, PL/I (F) Programmer's Guide, Form GC28-6594
  - A Guide to PL/I for FORTRAN Users, Form SC20-1637
  - IBM System/360, PL/I Reference Manual, Form GC28-8201
 Manual, 76 pages
- GC33-2003  
IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-754  
 This document provides information on the 1410/7010 Simulator for the IBM System/360, and is directed to the user who is replacing his IBM 1410/7010 Data Processing System with an IBM System/360 Model 40, 50, 65, or 75. Simulation is a technique which uses System/360 instruction sequences to perform the functions of 1410/7010 instructions, thus permitting the user to execute object programs written for the 1410/7010.  
 Systems Reference Library Manual, 60 pages
- GC33-2004  
1401/1440/1460/DOS EMULATOR ON MODELS 135/145/155 REFERENCE MANUAL - PROGRAM NUMBER 370N-EU-490  
 This publication describes the 1401/1440/1460 Emulator Program, an "integrated emulator" program executed under control of DOS. It is a multi-purpose document covering several topics related to the emulator. Included is information about Physical Planning, generation and execution of the emulator, data processing, and what is emulated and what is not. The difference between the emulator and the 1400 series program is also explained as well as how to communicate with it. Charts, tables and a glossary are included.  
 Manual, 125 pages
- GC33-2005  
1410/7010 DOS EMULATOR ON MODELS 145/155 REFERENCE MANUAL PROGRAM NUMBER 370N-EU-490  
 This publication describes the 1410/1710 Emulator Program, and "integrated emulator" program executed under control of DOS. It is a multi-purpose document covering several topics related to the emulator. Included is information about Physical Planning, considerations, data processing, generation, execution and communications with the emulator.  
 Manual, 106 pages
- GC33-2006  
MODEL 20 DOS EMULATOR ON SYSTEM/370 REFERENCE (370N-IC-002)  
 This publication provides information about the System/360 Model 20 Emulator Program for the System/370 Models 135 and 125. The emulator program is executed as a problem program under control of DOS (version 4) on the IBM Compatibility Feature #7520. Using the emulator program and the compatibility feature, the System/370 Model 135 or 125 can execute Model 20 Data Processing System.  
 It also provides information about Device Independence, the ability to execute Model 20 unit record operations using the System/370 tape and disk units.  
 Manual, 74 pages
- GC33-2008  
1401/1440/1460 OS EMULATOR ON SYSTEM/370 REFERENCE MANUAL PROGRAM NUMBERS 360C-EU-735 AND 5744-AH1  
 This manual describes the IBM 1401/1440/1460 Emulator Program for the IBM System/370 Models 135/145/155 II/158 and provides the information needed to use the program. The emulator program runs as a problem program under the OS/MPT, OS/MVT, OS/VS1, and OS/VS2 control programs and executes programs written for the IBM 1401, 1440, and 1460 Data Processing Systems (the Model 135 must be equipped with IBM Compatibility Feature #4457; the Model 145 with IBM Compatibility Feature #4457 or 4458; the Model 155 with IBM Compatibility Feature #3950). Note that OS/MVT and OS/VS2 do not run on the Model 135. In addition, this manual describes the 1401/1440/1460 simulator, which enables 1401/1440/1460 programs to be executed on System/370 Models 135 through 168 under the control of OS/VS1 and OS/VS2, without the need for the compatibility feature (the functions of the compatibility feature are performed by simulator routines).  
 Also described in this manual are three programs that are distributed with the emulator, the tape preprocessor program, the tape postprocessor program, and the disk formatting program. These programs handle compatibility between 1401/1440/1460 data formats for tape and disk.  
 The manual contains information for system planners and programmers on how to plan, generate, use, and modify the emulator; for programmers on how to process 1401/1440/1460 data and execute the emulator; and for operators on how to

communicate with the emulator. All messages issued by the emulator and the data manipulation programs are included as an appendix.

Programmers and planners should be familiar with the IBM 1401/1440/1460 Data Processing Systems and with the appropriate OS control program. Manual

## GC33-2009

1410/7010 EMULATOR ON SYSTEM/370 145/155 - REFERENCE, PROG. NOS. 360C-EU-736 AND 5744-AG1  
This manual describes the IBM 1410/7010 Emulator Program for the IBM System/370 Models 145/155, and provides the information needed to use the program. The emulator program runs as a problem program under the OS/MFT, OS/MVT, OS/VS1, and OS/VS2 control programs and executes programs written for the IBM 1410 and 7010 Data Processing Systems (the Model 145 must be equipped with IBM Compatibility Feature #4457 or #4458; the Model 155 with IBM Compatibility Feature #3950). Note that information on the use of OS/VS1 and OS/VS2 on the Model 155 is for planning purposes only.

Also described in this manual are three programs that are distributed with the emulator - the tape reprocessor program, the tape postprocessor program, and the disk formatting program. These programs handle compatibility between 1410/7010 data formats and System/370 data formats for tape and disk.

The manual contains information for system planners and programmers on how to plan, generate, use, and modify the emulator; for programmers on how to process 1410/7010 data and execute the emulator; and for operators on how to communicate with the emulator. All messages issued by the emulator and the data manipulation programs are included as an appendix.

Programmers and planners should be familiar with the IBM 1410/7010 Data Processing Systems and with the appropriate OS control program. Manual, 144 pages

## GC33-2010

MODEL 20 EMULATOR ON SYSTEM/370 USING DOS AND DOS/VS PLANNING - PROG. NO. 360N-IC-002; COMPONENT NO. 5745-SC-E20  
This publication provides planning information about the System/360 Model 20 Emulator Program for the System/370 Models 135, 125, and 115. The emulator program is executed as a problem program under control of DOS or DOS/VS on a System/370 Model 135, 125, or 115 equipped with the IBM Compatibility Feature Number 7520. Using the emulator program and the compatibility feature, the System/370 Model 135, 125, or 115 can execute programs written for the System/360 Model 20 Data Processing System.

It also provides planning information about Device Independence, the ability to execute Model 20 unit record operations using the System/370 tape and disk units, and the Data Interchange program that creates DOS disk files from Disk Programming System files, or the reverse.

The information in this publication is intended for installation personnel responsible for selecting, evaluating, and implementing System/370 Model 135, 125, or 115 configurations. Manual, 22 pages

## GC33-4000

IBM SYSTEM/360 OPERATING SYSTEM ALGOL PROGRAMMER'S GUIDE PROGRAM NUMBERS 360S-AL-531, 360S-IL-532  
This publication describes how to compile, linkage edit and execute a program written in the System/360 Operating System Algorithmic Language (ALGOL). It includes an introduction to the operating system and a description of the information listings that can be produced, the job control language, and the subroutine library. The intended audience for this publication are Applications Programmers, System Programmers, and IBM System Engineers. The second edition includes new information about the loader and changes to the job control language. SRL Manual, 83 pages

## SC33-4004

OS SORT/MERGE SYSTEM INFORMATION: SYSTEM GENERATION/INSTALLATION, STORAGE REQUIREMENTS, MESSAGES - PROG. NO. 5734-SM1  
This publication describes how to generate the sort/merge program 5734-SM1, what its storage requirements are, and the messages issued by it. The system information for the sort/merge program is presented in three self-contained modules: System Generation/Installation, Storage Requirements, and Messages. The reader may also need IBM System/360 Operating System Sort/Merge Programmer's Guide (SC33-4007) and IBM System/360 Operating System: Utilities (GC28-6550) for reference or review. Program Product Manual, 74 pages

## GC33-4006

IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-SM1  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program Product Specifications, 2 pages

## SC33-4007

IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE PROGRAMMER'S GUIDE - PROGRAM NUMBER 5734-SM1  
This manual describes how to use the IBM System/360 Operating System Sort/Merge Program (Program Number 5734-SM1). It is intended for programmers who wish to sort (arrange in a given order) or merge records (create one sorted sequence of records from two or more sorted sequences).

The major topics covered in this manual are: sort/merge program control statements and job control language (JCL) statements required by the program; linking user exit routines to the sort/merge program; and achieving maximum program efficiency.

To use this manual you should already have a basic understanding of the operating system and its job control language. You should have the following manuals available for reference or review:

IBM SYSTEM/360 OPERATING SYSTEM:  
CONCEPTS AND FACILITIES, Order Number GC28-6535  
JOB CONTROL LANGUAGE USER'S GUIDE,  
Order Number GC28-6703  
Program Product Manual, 120 pages

## GC33-4014

IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (E) INSTALLATION GUIDE PROGRAM NUMBER 360S-AS-036  
This publication contains information needed for incorporating the Assembler (E) contained in the Assembler (E) Independent Component Release Package into the Operating System. It describes the distribution tape and gives detailed instructions for including the component into the system. The publication is intended for system support personnel with a good knowledge of the IBM System/360 Operating System. Systems Reference Library Manual, 12 pages

## GC33-4015

IBM SYSTEM/370 MODEL 155 SORT/MERGE TIMING ESTIMATES PLANNING GUIDE PROGRAM NUMBER 360S-SM-023  
This publication gives estimated execution times of the sort/merge program (360S-SM-023) on the IBM System/370 Model 155 Central Processing Unit. Times are shown for sorting applications using various main-storage sizes and record lengths. The assumptions made in calculating the timing estimates are described. Manual, 28 pages

## GC33-4017

IBM SYSTEM/360 DOS SORT MERGE DESIGN OBJECTIVES PROG. NO. 5743-SM1  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product. Program Product Design Objectives, 2 pages

## SC33-4018

DOS SORT/MERGE PROGRAMMER'S GUIDE - PROGRAM NUMBER 5743-SM1  
This manual enables a programmer to prepare input to perform a sort or merge using program product 5743-XM1, and to link to the program his own assembler-language routines to perform such tasks as summarizing, altering, inserting or deleting records. Specifically, it describes:

- o Program Organization
- o Environmental requirements
- o Label processing
- o Control statements
- o Program Modification
- o Linking to user routines
- o Efficiency considerations
- o Storage requirements
- o Program initiation
- o Compatibility/conversion aids

It also lists messages produced by the program, and describes the appropriate responses.

The user should have a good understanding of the Disk Operating System and its job control language. Manual, 134 pages

## GC33-4019

DOS SORT/MERGE SPECIFICATIONS - PROGRAM NUMBER 5743-SM1  
Summarizes the functions and hardware requirements of the program, lists reference material, and outlines compatibility/conversion features. Specifications, 2 pages

## GC33-4020

IBM SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE GENERAL INFORMATION, PROGRAM NUMBER 5743-SM1  
This publication provides general information about the IBM System/360 Disk Operating System Sort/Merge Program Product. It describes:

- o Program Organization
- o Control Statement Formats
- o User Exit Facilities
- o Label Handling Requirements
- o Program Performance Characteristics

Program Product Manual, 20 pages

GC33-4022

SYSTEM/360 OPERATING SYSTEM SORT/MERGE GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-SM1

This publication provides an introduction to the IBM OS Sort/Merge Program Product (Program # 5734-SM1). It is intended as a source of general information for people involved in planning, managing, system support, or programming at an installation.

This publication gives a general description of the sort/merge program -- how it is installed, the functions it provides, and the control statements used to request these functions -- as well as its relationship to OS, and the machine environment. This manual also includes compatibility and conversion considerations and timing estimates.

Manual, 112 pages

SC33-4023

DOS SORT/MERGE INSTALLATION REFERENCE MANUAL PROGRAM NUMBER 5743-SM1

This manual provides the information necessary to install and test program number 5743-SM1:

- a) Hardware requirements
- b) Installation procedures, including a list of the relocatable modules and an explanation of the use of the calling books
- c) Sample problems: how to use them, and what they do.

The user should have a good understanding of the Disk Operating System and of DOS and TOS assembler language.

Manual, 52 pages

GC33-4025

DOS/V5 SORT/MERGE SPECIFICATIONS - PROGRAM NUMBER 5746-SM1

Describes briefly the functions and capabilities of the DOS/V5 Sort/Merge Program Product (Program Number 5746-SM1). It lists the programming systems under which the program runs its system requirements, its new features, its programming service classification, the reference material, and its compatibility with other sort/merge programs.

Information Sheet, 2 pages

SC33-4026

DOS/V5 SORT/MERGE INSTALLATION REFERENCE MANUAL PROG. PROD. 5746-SM1

For use by programmers familiar with DOS/V5. Provides DOS/V5 information necessary to install Sort/Merge and run sample programs.

Manual, 48 pages

GC33-4027

DOS/V5 SORT/MERGE DESIGN OBJECTIVES - PROGRAM PRODUCT 5746-SM1

The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.

Flyer, 1 page

SC33-4028

DOS/V5 SORT/MERGE PROGRAMMER'S GUIDE - PROGRAM PRODUCT 5746-SM1

This manual is for programmers familiar with DOS/V5. It provides them with descriptions of sort/merge control statements and DOS/V5 Job Control statements sufficient to allow them to prepare a Sort/Merge application. It also describes other options of sort/merge programs.

Manual, 188 pages

SC33-4029

OS TSO ASSEMBLER PROMPTER INSTALLATION REFERENCE MANUAL PROGRAM NUMBER 5734-CP2

This publication contains information about the installation and operation of the TSO Assembler Prompter. It is intended for personnel responsible for installing and maintaining the prompter.

The TSO Assembler Prompter is a program product which provides TSO users with a convenient method of invoking the assembler. It operates only in the TSO foreground and consists of a TSO command processor which constructs the parameter list for the appropriate assembler (OS/MVT or OS/V5), invokes the assembler in the system, and passes the necessary data to it.

The main part of this publication is divided into three sections:

- Storage Requirements
- Installation Procedure
- System Information

## Prerequisite Publications

Readers are assumed to be familiar with the information in these publications:

- OS/MVT: Utilities, Order No. GC28-6586  
JCL Reference, Order No. GC28-6704

- OS/V5: Utilities, Order No. GC35-0005  
JCL Reference, Order No. GC28-0618

## Related Publication:

OS TSO Assembler Prompter User's Guide, Order No. SC26-3740  
Manual, 24 pages

GC33-4030

DOS/V5 SORT/MERGE GENERAL INFORMATION - PROGRAM NUMBER 5746-SM1

This manual gives general information for use in planning the installation and use of the Program Product DOS/V5 Sort/Merge.

Manual, 32 pages

GC33-4031

OS/V5 SORT/MERGE PROGRAM PRODUCT 5740-SM1 DESIGN OBJECTIVES

This document gives the design objectives for the OS/V5 Sort/Merge program, which is upward compatible with the OS Sort/Merge program 5734-XM1 except that the minimum main storage requirement is increased to 32K (higher if VSAM data sets are to be used) and that the 2301 and 2311 device cannot be used. OS/V5 Sort/Merge has new features and functions, and is designed to operate efficiently in the VS environment. It incorporates an entirely new, high-performance sorting technique, and is alone in supporting the 3330/3333 Model II and 3340 direct access devices.

Design Objectives, 2 pages

GC33-4032

OS/V5 SORT/MERGE: PROG. PROD. 5740-SM1 SPECIFICATIONS

Provides a specification to the characteristics and program service classification of the Program Product OS/V5 Sort/Merge.

Flyer, 2 pages

GC33-4033

OS/V5 SORT/MERGE GENERAL INFORMATION - PROGRAM PRODUCT 5740-SM1

Gives general information for use in planning the installation and use of the Program Product OS/V5 Sort/Merge.

Manual, 44 pages

SC33-4034

OS/V5 SORT/MERGE INSTALLATION REFERENCE MANUAL - PROG. PROD. 5740-SM1

Describes how to generate the OS/V5 Sort/Merge Program Product and include in it the current operating system. Includes generation messages and storage requirements.

Manual, 40 pages

SC33-4035

OS/V5 SORT/MERGE PROGRAMMER'S GUIDE PROGRAM PRODUCT 5740-SM1

Supplies the information needed to use the installed program, including how to prepare control statements, how to calculate storage requirements, and how to use the program exits. Gives examples of control statements and of routines at program exits.

Manual, 176 pages

GC33-5000

IBM SYSTEM/360 DISK OPERATING SYSTEM ASCII MAGNETIC TAPE UTILITIES PROGRAM NUMBER 5736-UT2

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product.

Design Objectives Sheet, 2 pages

SC33-5001

IBM SYSTEM/360 DOS ASCII MAGNETIC TAPE UTILITIES PROGRAM GUIDE - PROGRAM NUMBER 5736-UT2

These ASCII Magnetic Tape Utility programs provide the DOS user with a set of utility programs for data files coded in ASCII (the American National Standard Code for Information Interchange). The functions provided by these programs include comparing tape files on one or more reels, and file-to-file transfer between magnetic tape, DASD, printer, and card devices. Translation between ASCII and EBCDIC is automatically performed by the system where necessary.

This programming guide is intended for use by programming personnel responsible for utility applications. It explains how to prepare the utility modifier and field select statements and the control information necessary to run these utilities. Job control examples, program messages, operator messages, and the ASCII/EBCDIC conversion tables are included. The programs discussed are the card-to-tape, data cell-to-tape, disk-to-tape, tape-to-card, tape-to-data cell, tape-to-disk, tape-to-printer, tape-to-tape, and tape compare utility programs.

Program Product Guide, 100 pages

GC33-5002

SYSTEM/360 DOS ASCII MAGNETIC TAPE UTILITIES PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-UT2

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.

Specification Sheet, 2 pages

GC33-5004

SYSTEM/360 DOS PLANNING GUIDE FOR PROGRAMMING THE 3330 DIRECT ACCESS STORAGE FACILITY

This publication is a planning guide for programmers, programming managers, and systems analysts who are intending to use an IBM System/370 configuration with the IBM 3330 Direct Access Storage Facility under the Disk Operating System.

The information in this document is divided into the following three sections:

- o An introduction that explains the functions of the IBM 3330 DASF supported by the Disk Operating System
- o A section explaining the changes to DOS IOCS to support the 3330 DASF
- o A section describing the changes required to other programming components

This publication explains only the changes to current DOS IOCS, which is described in full in IBM System/360 Disk Operating System, Supervisor and Input/Output Macros (GC24-5037).

Planning Guide, 8 pages

GC33-5007

SYSTEM/370 DISK OPERATING SYSTEM VERSION 4 - MANUAL

This manual, DOS Version 4, contains information required by installation managers, systems programmers, applications programmers, and operators who work with DOS Version 4 on an IBM System/370 Model 135, 145, or 155. The manual contains update information to the existing DOS library. The manuals that are updated are:

DOS System Control and Service, GC24-5036  
 DOS Data Management Concepts, GC24-3065  
 DOS Supervisor and I/O Macros, GC24-5037  
 DOS Operating Guide, GC24-5022  
 DOS and TOS Utility Programs, GC24-3465  
 DOS and TOS Assembler Language, GC24-3414  
 System Reference Manual, 155 pages

GC33-5008

DOS VERSION 4 SYSTEM GENERATION

This reference publication describes the planning and the procedures necessary to generate and to maintain an installation-tailored IBM Disk Operating System (DOS) that provides support for IBM-supplied DOS programs you desire, as well as for your own programs. The major topics discussed are:

- o Planning the installation-tailored DOS supervisor
- o Planning the installation-tailored DOS operational pack(s)
- o Procedures for generating and for maintaining the DOS system
- o Sample problems for testing the IBM-supplied DOS programs

The information in this publication is of particular interest to anyone responsible for the planning and/or implementation of system generation and maintenance for DOS. This includes installation managers, system analysts, programmers, and machine operators.  
 System Library Manual, 428 pages

GC33-5009

DOS VERSION 4 MESSAGES - SYSTEMS REFERENCE LIBRARY MANUAL PROGRAM NUMBER 370N-CL-453

This reference publication provides quick access information for operators and programmers who encounter DOS messages and use DOS commands and job control language.

This publication does not include:

- o Any message issued by IBM Program Products.
- o Any language message issued during compilation or assembly.
- o RPG messages.
- o OLTEP messages.
- o Emulator messages.

For detailed DOS operating information, see the companion publication, DOS Operating Guide, GC24-5022. For a list of associated publications, refer to the IBM System/360 and System/370 Bibliography, GA22-6822.  
 Manual, 360 pages

GC38-0005

OPERATOR'S LIBRARY: SYSTEM/370 MODEL 135 PROCEDURES

This manual provides operating and reference information for operators of the IBM System/370 Model 135. The reader is assumed to have a working knowledge of Introduction to IBM Data Processing Systems, GC20-1684, and some previous operating experience on either a similar system or related data processing equipment. The manual describes how to operate the following system hardware:

IBM 3135 Processing Unit - the system CPU  
 IBM 3046 Power Unit - the major source of electrical power for the CPU  
 IBM 3210 and 3215 Console Printer-Keyboards  
 Input/output devices that are attached to the CPU integrated adapters

This manual does not give operating information for related software and I/O devices, the reader is referred to the appropriate manuals for this information. IBM System/370 Model 135 Diagnostic Report, GX33-6003, should be used in conjunction with this manual.

Manual, 108 pages

GC38-0015

IBM SYSTEM/370 MODEL 145 OPERATING PROCEDURES

This System Library Manual contains information necessary to operate the following units of the IBM System/370 Model 145:

IBM 3145 Processing Unit  
 IBM 3210 Console Printer-Keyboards  
 IBM 3215 Console Printer-Keyboards  
 IBM 3047 Power Unit

The reader is assumed to have basic computer knowledge and experience, or computer operating experience on a similar system or other related data processing equipment. The information in this manual is written for all levels of operator experience for training as well as system operation. This manual has five major sections:

- o System Control Panel Indicators, Switches, and Keys - Describes the purpose of individual indicators, switches, and keys. It does not describe the applications of these facilities within operating procedures. Service-personnel usage is not included.
- o Console File - Contains location, handling, flexible disk insertion and removal information, and the necessary cautions associated with flexible disks.
- o Console Printer-keyboards - Contains initial setup and operator adjustments, 3210 print element cleaning procedures, associated manual PR-KB operations, and a description of indicators and controls.
- o Operating Procedures - Describes in detail procedures necessary for system operation. Initialization and error recovery procedures are included. Operating procedures for System Error Record Editing Program (SEREP) and System Test 370 (ST370) are also in this section.
- o Handling Abnormal Situations - Includes text and flowcharts used in analyzing the four major types of abnormal situations encountered:
  1. Cannot power system on
  2. Cannot start any job
  3. Cannot continuously run any job
  4. Cannot power system off

Manual, 96 pages

GC38-0025

IBM SYSTEM/370 MODEL 158 OPERATING PROCEDURES

This manual introduces the operator to the Model 158 display console. Subjects describes from an operational level include:

- o Control Panel
- o Console Display
- o Keyboard
- o Console Files
- o Console Printer

This publication should be used in conjunction with Operator's Library: OS/VS2 Consoles, GC38-0260, and Operator's Library: OS/VS2 Reference, GC38-0210. A knowledge of IBM System/360 Operating System: Operating Procedures, GC28-6692 is considered a prerequisite.  
 Manual, 52 pages

GC38-0030

SYSTEM/370 MODEL 168 OPERATING PROCEDURES

This publication describes the basic procedures performed by the Model 168 operator at the system console. These procedures, in conjunction with corresponding procedures provided in the appropriate operating system reference and console manuals, enables the operator to power the machine system, load and execute control and problem programs, and to receive and issue messages to communicate with the system.

The anticipated reader is the Model 168 operator who receives the program job, enters it into the production records, enters the program into the system, and returns the completed job to the problem programmers. The reader is assumed to have at least a basic understanding of computers and some preliminary experience in operating a similar system.

Manual, 70 pages

GC50-0001

IBM 2701 DATA ADAPTER UNIT AND ASCII AUTODIN ADAPTER (RPQ F16124): PRINCIPLES OF OPERATION

This manual provides information concerning the operation of the IBM 2701 Data Adapter Unit and the ASCII Adapter RPQ F16124. The manual is divided into five sections, a glossary, and six appendices.

The first section gives a general description of the 2701 and the AUTODIN Adapter, the functional organization of the 2701 and the configuration of the 2701.

The second section describes the operation of the 2701 with System/360 Model 20. Subjects discussed here include communications line addressing, channel operation, and I/O instructions concerning the 2701 for the Model 20.

The third section describes the operation of the 2701 with System/360 for Models 25 and above. Subjects discussed here include communications line addressing, multiplexor and selector channel operation, and I/O instructions concerning the 2701 for Models 30 and above.

The fourth section covers the ASCII AUTODIN Adapter. A complete description of the operation of the adapter is made which includes transmit and receive operation

sequences, status and sense bytes, line interfaces, and the operators panel.

The fifth section covers the operating procedures of the 2701 Data Adapter Unit and the ASCII AUTODIN Adapter.

The glossary contains definitions of certain terms used in this manual which may not be in common use.

The appendices include charts on the ASCII code, representation of the ASCII code to System/360 codes, specifications on the 2701, and two electrical interface drawings.

Manual, 60 pages

## GE20-0022

PUBLIC UTILITY CUSTOMER ACCOUNTING WITH THE IBM SYSTEM/360 ONLINE COMMUNICATION SYSTEM

This manual describes an on-line customer accounting and customer service system using direct access storage devices and terminals. The system provides for: customer inquiries, service orders, transmission of payments, offline batch billing, and accounts receivable processing.

DP Application Manual, 30 pages

## GE20-0188

RETAIL IMPACT (INVENTORY MANAGEMENT PROGRAM AND CONTROL TECHNIQUES): APPLICATION DESCRIPTION  
PROG. NOS. 360A-DR-04X, 05X, 08X, 09X

The purpose of this manual is to describe the Retail IMPACT System for the retail industry. The Retail IMPACT System actually consists of two separate systems, one for staple and one for fashion merchandise. Either or both of these systems may be complemented. Programs for the systems are enumerated in the manual.

The manual is divided into chapters which cover topics such as a general statement of the problems of retail inventory management; simulation and its uses; ordering parameters, methods of forecasting and forecasting techniques; record maintenance, purchase order generation, and operating and management reporting; design considerations; and implementation.

Where appropriate, these topics are discussed separately for the fashion and staple systems. Also, graphic and report examples supplement the text, and a glossary of terms peculiar to the retail environment is included in the manual.

Application Program Manual, 104 pages

## GE20-0228

OPTIMUM BOND BIDDING - USER'S MANUAL  
PROGRAM NUMBER 360A-FE-06X

This program has been designed to help underwriters determine the coupon schedule and associated values for a bid on a new bond issue. A mathematical procedure is used which develops an optimal set of coupon rates. The optimization procedure minimizes the net interest cost or effective rate, whichever is applicable, while remaining within the constraints established by the issuer and those established by the underwriter. A number of options are provided which help the user obtain bidding information for issues with various characteristics.

This manual contains a general description of the program, including all mathematical formulas, machine configuration, general systems chart, input/output description, sample problem, operating instructions, and halt and message list. IBM (GX20-1736) facilities preparation of input data for the program.

Application Program Manual, 119 pages

## GE20-0246

SYSTEM/360 DEMAND DEPOSIT ACCOUNTING APPLICATION DESCRIPTION  
PROGRAM NUMBER 360A-FE-15X

This manual is an introductory text describing the scope and capabilities of the IBM System/360 Demand Deposit Accounting programs. It deals with the requirements for a demand deposit application in either a single bank or a multi-bank environment, describes the results and advantages a bank may expect from using the application programs, summarizes the accomplishments of each of the programs provided, contains information on how to get started, and illustrates some of the record layouts and reports produced. The appendix describes machine requirements, the use of other programming products, sample timings, and disk pack requirements.

Application Program Manual, 36 pages

## GE20-0256

SYSTEM/360 TEXT PROCESSOR -- COMPOSITION/360, APPLICATION DESCRIPTION  
PROGRAM NUMBER 360A-DP-08X

COMPOSITION/360 acts in conjunction with user-supplied programs and the full facilities of the Disk Operating System for System/360. It consists of control and functional routines that accept input from a user-prepared disk-resident file, produces generalized justified output records, and stores them in a specified disk area. If word division capabilities are required, the HYPHENATION/360 program is linked with COMPOSITION/360.

Application Program Manual, 28 pages

## GE20-0257

SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 APPLICATION DESCRIPTION, PROGRAM NUMBER 360A-DP-07X

HYPHENATION/360 provides division of words for text processing applications in which the addition of word syllables to a line to meet justification requirements is preferable to forcing the line to end with a complete word. This hyphenation capability is provided in the form of a module that can be linked with a user's System/360 text-processing program or the COMPOSITION/360 module of the IBM System/360 Text Processor.

Through program linkage, HYPHENATION/360 accepts a word from the user's program and determines the division points. The word, with the division points indicated, is returned to the user's program, where the portion to be retained on the line can be selected on the basis of the user's graphic requirements.

This publication contains descriptions of the application and program, a general system chart, programming system, minimum machine, core, and disk requirements.

For more detailed information, see the program Description Manual (GH20-0525).

Application Program Manual, 18 pages

## GE20-0306

1287 INPUT CONVERSION PROGRAM, APPLICATION DESCRIPTION  
PROGRAM NUMBER 360A-DR-07X

The IBM Input Conversion Program translates cut-form document information from the IBM 1287 Optical Reader into computer-processable data. The program is designed to enable a user to utilize the IBM 1287 Optical Reader in implementing input conversion in an efficient and economical manner without the need of additional programming. The input conversion process is an essential link between the data sources and utilization in an integrated data processing system.

Application Program Manual, 15 pages

## GE20-0312

PREFACE TO PL/I PROGRAMMING IN SCIENTIFIC COMPUTING

In a brief and simple manner, this manual:

- Lists some problems arising in industry, business, science, and engineering
- Survey the mathematical, statistical, and operations research (OR) by which these problems are solved
- Tells how a few of such techniques and models are programmed for computers using the PL/I language

The major portion of the manual concentrates on PL/I. The essentials are brought out mostly by the many short examples and the summary exhibits.

DP Application Manual, 66 pages

## GE20-0324

SYSTEM/360 TEXT PROCESSOR -- EDIT/360, APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-K11

The EDIT/360 component of the IBM System/360 Text Processor consists of control and functional routines which retrieve input from a user prepared disk-resident file. Input consists of textual material, text formatting commands, and output requests. After the output text has been proofread, alterations can be made to stored textual data through the use of text modification commands without re-entering the original text input. Completely justified and corrected text is written as generalized disk records. The user must provide routines to retrieve specific composition device on which final printing will occur, and write it to the appropriate systems output device.

Program Product Manual, 44 pages

## GE20-0328

SYSTEM/360 TEXT PROCESSOR - PAGINATION/360 APPLICATION DESCRIPTION MANUAL  
PROGRAM NUMBER 5736-K12

System/360 Text Processor-PAGINATION/360 is a comprehensive text processing system providing justification, editing, and page composition facilities. It runs under the IBM Disk Operating System and contains all the features of COMPOSITION/360, HYPHENATION/360, and EDIT/360 plus significant page makeup functions. This program, combined with user-provided input/output modules, permits the efficient and accurate transfer of input copy to final page format.

PAGINATION/360 provides the user with extensive capabilities in the following areas:

TEXT MANAGEMENT - initial entry into the system of text and commands and restoring of previously dumped text and commands.

EDIT OUTPUT - production of galley output with text block and line reference numbers for proofing purposes.

ALTERATION - modification of previously entered text and commands based on the results of edit output.

PAGE OUTPUT - production of full-page output.

SERVICES - capabilities required for the efficient maintenance and control of documents within the system.

PAGINATION/360 communicates only with the attached

direct access storage devices. Input material is accepted from the disk file, processed, and written back on another disk file.

This design provides the user with the ability, via his own input and output modules, to enter data on the input device of his choice and output the data for the composition devices of his choice.

The flexible design of System/360 Text Processor-PAGINATION/360 in conjunction with the facilities provided by the Disk Operating System permit the addition of user-written programs running in a simultaneous environment. The open-ended design of System/360 permits the attachment of input and output devices or increased core capacity as the needs of the user expand.

Program Product Manual, 42 pages

## GE20-0350

A PREFACE TO LINEAR PROGRAMMING AND ITS APPLICATIONS  
This manual attempts to motivate the reader's interest in an important, general purpose tool called linear programming. The stress is on examples, benefits, and applications in a wide spectrum of industries and disciplines; the literature references are especially extensive. Included is a simple nontechnical glossary of basic concepts.

DP Application Manual, 36 pages

## GF20-0012

PREPARING BRAILLE USING SYSTEM/360

This brochure acquaints readers with rudiments of Braille and the way in which IBM can help by furnishing material on magnetic tapes that can be translated to Braille.

Special Brochure, 6 pages

## GF20-0015

INTRODUCTION TO THE LIST PROCESSING FACILITIES OF PL/I

This manual discusses and illustrates usage of PL/I facilities for organizing, processing, and relocating data in list form. A data list is a chain of based variable structures that contain data plus pointers that link the structures. List-processing techniques are useful for handling data that has logical complexities not conveniently represented by conventional PL/I array and structure representation.

Illustrative programs were processed by the PL/I (F) Compiler (Version 4) under control of the IBM System/360 Operating System (Release 16).

The list-processing facilities of PL/I are an advanced topic in programming; this manual is intended for the experienced programmer.

Additional information is presented in Techniques for Processing Data Lists in PL/I (GF20-0018).  
Data Processing Techniques Manual, 96 pages

## GF20-0019

TECHNIQUES FOR PROCESSING POINTER LISTS AND LISTS OF LISTS IN PL/I

This manual illustrates techniques for processing pointer lists and lists of lists. A list consists of based structure components containing pointer elements that link the structures. A pointer list is formed of linked list components containing pointers that address data. Similarly, a list of lists contains pointers that address lists.

This manual is a sequel to Introduction to the List Processing Facilities of PL/I (GF20-0015) and Techniques for Processing Data Lists in PL/I (GF20-0018). Knowledge of the preceding manuals is assumed. The intended audience is the experienced programmer.

Illustrative programs were processed by the PL/I (F) Compiler (Version 5) under control of the IBM System/360 Operating System (Release 18.6).  
Data Processing Techniques, 84 pages

## GF20-0020

TECHNIQUES FOR PROCESSING RELOCATABLE LISTS IN PL/I

This manual illustrates usage of PL/I list-processing facilities for processing relocatable data lists, pointer lists, and lists of lists. Illustrative programs were processed by the PL/I F Compiler (Version 5.7) under control of OS Release 19.

Manual, 64 pages

## GF20-0385

AN INTRODUCTION TO MICROPROGRAMMING

This document describes some aspects of microprogramming as it has been used in certain IBM processing units. It is intended to provide a general understanding of the subject. Part 1 provides the reader with elementary microprogramming concepts as example material. Part 1 presumes some knowledge of assembler language programming and complement arithmetic.

Manual

## GF20-8172

BIBLIOGRAPHY OF DATA PROCESSING TECHNIQUES

This bibliography provides a selection of IBM publications which, either wholly or in part, describe data processing techniques - generally useful methods and applications, studies in analysis and design, management of a data

processing department, and the like. The listing of a publication in this bibliography does not, however, preclude its appearance in one or more bibliographies for specific systems.

Titles, order numbers, current status, and an abstract of each item are provided. Titles are listed two ways: by topic, with order number indicated and in order-number sequence with title given.

Manual, 8 pages

## GH12-5102

SYSTEM/360 AND SYSTEM/370 MATRIX SYSTEM (MATSYS) (OS AND TSO) GENERAL INFORMATION MANUAL - PROGRAM PRODUCT 5734-XM7  
The IBM System/360 and System/370 Matrix System (MATSYS) is a programming system designed to simplify the handling of, and the computation with, matrices. This publication describes the language and general capabilities.

Matrices to be processed by MATSYS may consist of real or complex, single-precision or double-precision numbers. MATSYS uses segmenting algorithms whenever the storage requirements of the matrices to be processed exceed the available main-storage space.

MATSYS can be utilized in many scientific, technical, and commercial applications. It is of special interest to the aerospace industry, as well as to electrical and civil engineering, statistics, and econometrics.

For part of this publication, the reader should possess a good knowledge of linear algebra and some familiarity with data processing and the IBM System/360 or System/370.

Manual, 34 pages

## GH12-5103

IBM SYSTEM/360 AND SYSTEM/370, IBM 1130 AND 1800 SUBROUTINE LIBRARY-MATHEMATICS (SL-MATH) GENERAL INFORMATION MANUAL

PROG. NOS. 5736-XM7, 5711-XM2  
The Subroutine Library-Mathematics (SL-MATH) is a collection of subroutines dealing with matrix algebra and numerical mathematics. The subroutines are written in FORTRAN IV. SL-MATH consists of input/output-free computational building blocks which may be combined with the user's input or computation routines to meet his individual requirements. The subroutines in this library can be applied to the solution of many problems in industry, science, and engineering.

This manual presents an introduction to SL-MATH, a list of the capabilities of the library, rules of usage, system configuration, programming systems, and a list of reference material.

Manual, 41 pages

## SH12-5403

MATRIX SYSTEM (MATSYS) (OS AND TSO) - PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XM7

The Matrix System (MATSYS) is a programming system designed to simplify matrix handling and computation. Matrices may consist of real or complex, single or double precision numbers. Segmenting algorithms incorporated in MATSYS allow processing of matrices whose storage requirements exceed the available main-storage space.

Manual, 220 pages

## SH12-5407

IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION RETRIEVAL SYSTEM (STAIRS), PROGRAM PRODUCT REFERENCE MANUAL - PROGRAM NUMBER 5734-XR3

The IBM System/360 and System/370 Storage and Information Retrieval System (STAIRS) is a terminal-oriented system that offers the user a variety of resources for data-base creation and maintenance, and especially for data-base searching and document output.

The system is used to retrieve stored documents which contain unformatted textual and/or formatted data. Documents are retrieved in an on-line dialogue between the system and the user. The user formulates queries in extended Boolean logic and/or comparison operators.

This manual contains the general program description, a description of the data-base creation and data-base merge programs, of all input/output and intermediate data sets, and of the terminal operations. It also includes installation requirements and the messages supplied by STAIRS.

For further information on STAIRS, the reader is referred to the following publications:

- o General Information Manual, Form GH12-5107
- o Operation Guide, Form SH12-5509

Manual, 144 pages

## SH12-5411

DL/1 DOS/VS APPLICATION PROGRAMMING REFERENCE MANUAL

PROGRAM PRODUCT 5746-XX1  
Data Language/1 Disk Operating System/Virtual Storage (DL/1 DOS/VS) is a data management control system developed to assist the user in implementing data base processing applications. It provides data organization methods that are conducive to the creation of, access to, and maintenance of large common data bases. In conjunction with the Customer Information Control System (CICS/DOS/VS), DL/1 DOS/VS permits the evolutionary expansion of data processing applications from a batch-only environment to a teleprocessing environment.

This manual provides the information necessary to design and prepare COBOL, PL/1, and Assembler-language application



programs to execute in the DL/1 DOS/VS environment.  
Manual, 64 pages

SH12-5412

DL/1 DOS/VS UTILITIES AND GUIDE FOR THE SYSTEM PROGRAMMER PROGRAM PRODUCT 5746-XX1  
Data Language/1 Disk Operating System/Virtual Storage (DL/1 DOS/VS) is a data management control system developed to assist the user in implementing data base processing applications. It provides data organization methods that are conducive to the creation of, access to, and maintenance of large common data bases. In conjunction with the Customer Information Control System (CICS/DOS/VS), DL/1 DOS/VS permits the evolutionary expansion of data processing applications from a batch-only environment to a teleprocessing environment.  
This manual describes each of the DL/1 DOS/VS utility programs and tells how to execute them under DOS/VS.  
Manual, 156 pages

SH12-5414

DL/1 DOS/VS OPERATOR'S REFERENCE MANUAL AND MESSAGES AND CODES, PROG. PROD. 5746-XX1  
PACIFIC/370- Estimating closely follows the manual procedures commonly used in the construction industry, but permits the estimator to draw on a fund of stored estimating data, thus minimizing the manual effort required in preparing detailed cost estimates.  
Flyer, 2 pages

SH12-5505

SYSTEM/360 AND SYSTEM/370 MATRIX SYSTEM (MATSYS) (OS AND TSO) - OPERATIONS MANUAL - PROGRAM PRODUCT 5734-XM7  
This publication describes the machine-readable material of the Matrix System (MATSYS) as distributed to the users. It provides information on the job-control statements required to install the system and to compile, link-edit, and execute programs written in the MATSYS language. (Such programs may include reference to FORTRAN or PL/1 subprograms.) Furthermore, the publication describes how to generate and use the TSO components of the system (MATSYS Prompter and MATSYS Syntax Checker), and it explains the system output.  
Manual, 108 pages

SH12-5509

IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION RETRIEVAL SYSTEM (STAIRS), OPERATION GUIDE PROGRAM PRODUCT 5734-XR3  
This manual contains all information required to install the Storage and Information Retrieval System (STAIRS) and to incorporate it into an IBM System/360 or System/370 for subsequent execution under control of the IBM Customer Information Control System (CICS). It includes information on the data-base creation and data-base merge programs as well as on system maintenance and utilities.  
The reader of this manual should be familiar with the principles of teleprocessing, the IBM Operating System, and the IBM Customer Information Control System (CICS).  
Manual, 50 pages

GH19-0014

IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360) FOR PROJECT CONTROL SYSTEM/360 APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XP2  
REAL/360 complements the Project Control System/360 (PCS). Present conventional PERT/CPM-type scheduling programs provide project schedulers or managers with an efficient tool for planning, evaluating, scheduling, and controlling the activities to be managed; unlimited availability of resources, however, is assumed.  
REAL/360 enables users to define project schedules, based on PCS results, while at the same time taking various resource limitations and time constraints into account. The reader should be knowledgeable in PERT/CPM techniques and be familiar with Project Control System/360 (360A-CP-06X, Version 2).  
Program Product Documentation, 24 pages

SH19-0026

IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360) FOR PROJECT CONTROL SYSTEM/360 PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER: 5736-XP2  
REAL/360 performs the resource allocation in a project control system. It enables users to define project schedules, based on the results of the Project Control System/360 (PCS), while at the same time taking various resource limitations and time constraints into account. This manual provides information necessary for understanding the functions of REAL/360 and for preparing and operating the system.  
The reader should be familiar with the following publications:  
PROJECT CONTROL SYSTEM/360 APPLICATION DESCRIPTION MANUAL, Form GH20-0222  
PROJECT CONTROL SYSTEM/360 PROGRAM DESCRIPTION AND OPERATIONS MANUAL, Form GH20-0076  
IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360) FOR PROJECT

CONTROL SYSTEM/360 APPLICATION DESCRIPTION MANUAL, Form GH19-0014.  
Program Product Documentation, 104 pages

GH19-0044

AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370, GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)  
This manual is intended as an introductory guide to the overall operation of the AUTOFLOW System. Its purpose is to provide a summary of the inherent facilities and capabilities of AUTOFLOW, including the various options available to accommodate a wide range of applications. In addition, a complete description of the AUTOFLOW output and the characteristics common to all input source language programs is presented to further an understanding of the total system. This publication makes references to a series of manuals which treat each source language separately and in greater detail.  
Manual, 94 pages

SH19-0045

AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTALLATION GUIDE DOS - PROGRAM PRODUCT 5736-DC1  
This Guide provides a brief introduction to the AUTOFLOW processor environment and operation. It describes the procedure to be followed for installing an AUTOFLOW processor into any particular hardware/software environment. It describes the composition of a job control deck for running the AUTOFLOW processor. The reader is assumed to have a knowledge of DOS, including the job control language.  
Manual, 50 pages

SH19-0046

AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTRUCTOR'S GUIDE PROGRAM PRODUCT - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)  
This manual is intended as a teaching aid for those users who desire to conduct their own AUTOFLOW training sessions. It presents a summary of the major features of the AUTOFLOW System organized as lessons. Reading assignments in the General Information Manual are made, and occasional references are made to other publications available in support of the AUTOFLOW System, such as the Operations Guide and the separate language manuals. Although the majority of the illustrations are COBOL-oriented, most of the basic concepts represented can be applied to the processing of other source languages.  
Manual, 70 pages

SH19-0047

AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 OPERATIONS GUIDE PROGRAM PRODUCT - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)  
This manual contains the necessary information for an operator to execute AUTOFLOW under the various IBM System/360 and System/370 operating systems. Appendix A contains the list of error and diagnostic messages which might appear during an execution of AUTOFLOW. Additional technical information is presented in the Installation Guide.  
Manual, 54 pages

SH19-0048

AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 COBOL SERIES REFERENCE MANUAL PROGRAM PRODUCT - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)  
This manual presents a detailed analysis of AUTOFLOW processing of COBOL source programs. It has been designed as an extension of the basic information related to COBOL/AUTOFLOW presented in the General Information Manual. Any reader who is unfamiliar with the fundamental concepts of AUTOFLOW should first review the General Information Manual. Similar manuals are available for each source language directly processed by AUTOFLOW, including FORTRAN, Assembly, and PL/I. References to appropriate sections of the General Information Manual will be made when clarification of the more general aspects of AUTOFLOW operation is required.  
Manual, 108 pages

SH19-0049

AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 FORTRAN SERIES REFERENCE MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)  
This manual presents a detailed analysis of AUTOFLOW processing of FORTRAN source programs. It has been designed as an extension of the basic information related to FORTRAN/AUTOFLOW presented in the General Information Manual. Any reader who is unfamiliar with the fundamental concepts of AUTOFLOW should first review the General Information Manual. Similar manuals are available for each source language directly processed by AUTOFLOW, including COBOL, Assembly, and PL/I. References to appropriate sections of the General Information Manual will be made where clarification of the more general aspects of AUTOFLOW operation is required.  
Manual, 78 pages

SH19-0050

AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 ASSEMBLY SERIES REFERENCE MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)

This manual presents a detailed analysis of AUTOFLOW processing of IBM System/360 and System/370 Assembly Language programs. It has been designed as an extension of the basic information related to Assembly/AUTOFLOW presented in the General Information Manual. Any reader who is unfamiliar with the fundamental concepts of AUTOFLOW should first review the General Information Manual. References will be made throughout this manual when clarification of the more general aspects of AUTOFLOW operation is required. Similar manuals are also available for other source languages directly processed by AUTOFLOW, including COBOL, FORTRAN, and PL/I. Manual, 115 pages

SH19-0051

AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 PL/I SERIES REFERENCE MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)

This manual presents a detailed analysis of AUTOFLOW processing of PL/I source programs. It has been designed as an extension of the basic information related to PL/I AUTOFLOW presented in the General Information Manual. Any reader who is unfamiliar with the fundamental concepts of AUTOFLOW should first review the General Information Manual. Similar manuals are available for each source language processed by AUTOFLOW, including COBOL, FORTRAN, and Assembly. Reference to appropriate sections of the General Information Manual will be made when clarification of the more general aspects of AUTOFLOW operation is required. Manual, 112 pages

SH19-0052

AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTALLATION GUIDE OS - PROGRAM PRODUCTS 5734-DC1

This Guide provides a brief introduction to the AUTOFLOW processor environment and operation. It describes the procedure to be followed for installing an AUTOFLOW processor into any particular hardware/software environment. It describes the composition of a control deck for running the AUTOFLOW processor. The reader is assumed to have a knowledge of OS, including the job control language. Manual, 48 pages

GH19-0057

AUTOFLOW FOR PL/I, COBOL, FORTRAN AND ASSEMBLER PROGRAM SPECIFICATIONS - PROGRAM PRODUCTS 5734-DC1 AND 5736-DC1

This publication provides the specification for AUTOFLOW for PL/I, COBOL, FORTRAN and ASSEMBLER Program under OS. Flyer, 4 pages

GH19-0058

AUTOFLOW COMPUTER DOCUMENTATION SYSTEM PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-DC1

This publication provides the specification for the AUTOFLOW Computer Documentation System, Program Number 5736-DC1. Flyer, 4 pages

GH19-1008

SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT) FOR COBOL AND PL/I 5734-XR2

Decision tables are used to define, analyze, and document data processing applications. DECTAT introduces decision tables in programming. This program translates PL/I or COBOL oriented decision tables into a normal PL/I or COBOL program.

The resulting program is punched in cards or stored on tape or any Direct Access Storage Device (DASD), ready to be compiled without any further manipulation. DECTAT enables the user to program decision tables without having to learn a special decision table language.

The reader should have a good knowledge of decision table techniques and either the PL/I or the COBOL language. He should also be familiar with the manual Decision Tables-A Systems Analysis and Documentation Technique (GF20-8102). Manual, 36 pages

SH19-1009

SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT) FOR COBOL AND PL/I PROGRAM DESCRIPTION MANUAL - PROGRAM PRODUCT 5734-XR2

Decision tables are used to define, analyze, and document data processing applications. DECTAT introduces decision tables in programming and enables the user to program his decision tables, intermixed with normal PL/I or COBOL statements, without having to learn a special decision table language. DECTAT translates both PL/I and COBOL oriented decision tables into a set of PL/I or COBOL statements and includes them in the program.

The resulting program is punched in cards or stored on tape or any Direct Access Storage Device (DASD), ready to be compiled without any further manipulation.

This manual contains the information required to program decision tables, i.e., the input to the Decision Table Translator, also a description of the outputs and functions performed by the Decision Table Translator.

A sample problem is included to show how decision tables are used to program an application.

The reader should be familiar with the contents of the

Decision Table Translator, Application Description Manual (GH19-1008), also a good knowledge of the decision table technique and either the PL/I or the COBOL language is required.

In this manual the System Control Programs which permit the execution of DECTAT, that is OS/MFT, OS/MVT, OS/VS1 and OS/VS2 are all referenced by the name "OS" for clarity in this documentation. Manual, 94 pages

SH19-1010

SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT) FOR COBOL AND PL/I OPERATION MANUAL - PROGRAM NUMBER 5734-XR2

This manual contains information on the preparation of the Decision Table Translator, instructions for the preparation of data files, examples of control cards and job control statements, warning and error messages issued by the program, and the actions which are taken when these messages occur. To compile and execute the PL/I or COBOL program obtained from a Decision Table Guide corresponding to the compiler used.

In this manual, the System Control Programs which permit the execution of DECTAT, that is, OS/MFT, OS/MVT, OS/VS1 and OS/VS2 are all referenced by the name "OS" for clarity in this documentation. Manual, 52 pages

GH19-1028

SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES STAF/OS - GENERAL INFORMATION MANUAL - PROGRAM PRODUCT 5734-XA2

This manual contains general information concerning the purpose, input, output, and functions of the STAF/OS program. STAF/OS processes all types of files to produce various types of statistical output in the form of tabular reports, graphic reports (such as histograms, scatter diagrams, or curves), and maps, with a minimum of programming effort on the part of the user.

STAF/OS is a general purpose program, and is primarily suited to economic and commercial applications. It operates under the control of the Operating System in an MFT or MVT environment as well as under the control of System/370 Operating System, for virtual storage configurations. Manual, 34 pages

SH19-1030

STAF/OS PROGRAM REFERENCE MANUAL PROGRAM NUMBER 5734-XA2

STAF/OS processes all types of files to produce various types of statistical output in the form of tabular reports, graphic reports (such as histograms, scatter diagrams, or curves), and maps, with a minimum of programming effort on the part of the user.

This manual describes the functions STAF/OS is designed to perform. It also contains a description of the general processing and customer installation requirements. Manual, 160 pages

SH19-1031

IBM SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES (STAF/OS) OPERATIONS GUIDE - PROGRAM PRODUCT 5734-XA2

This manual contains instructions for the preparation of data files, examples of control cards and job control statements, warning and error messages issued by the program, as well as the actions taken when these messages occur. Manual, 52 pages

GH19-1038

SYSTEM/360 AND SYSTEM/370 BUDGETS AND PLANS GENERATOR BUDPLAN GENERAL INFORMATION MANUAL PROGRAM PRODUCT 5734-F51

BUDPLAN is an application program that processes corporate models which can be easily defined by the user. It generates budgets and medium or long-range plans in order to evaluate financially the consequences of management decisions. It offers a language designed for managers who may be neither data processing specialists nor mathematicians.

BUDPLAN operates in batch mode under the control of either the System/360 or System/370 Operating System (OS). Manual, 42 pages

SH19-1040

SYSTEM/360 AND SYSTEM/370 BUDGETS AND PLANS GENERATOR (BUDPLAN): PROGRAM REFERENCE MANUAL, PROG. NO. 5734-F51

BUDPLAN is an application program that processes corporate models which can be defined by the user. It generates budgets and medium or long-range plans in order to assist the user in evaluating financially the consequences of management decisions.

This manual describes not only the functions of BUDPLAN, but also its system concepts, inputs, outputs, and processing methods used. Manual, 212 pages

- SH19-1041  
BUDPLAN/OS OPERATIONS GUIDE PROG. NO. 5734-F51  
BUDPLAN is an application program that generates budgets and plans in order to evaluate financially consequences of management decisions.  
This manual contains information describing the BUDPLAN preparatory procedures, instructions for preparing the data files, examples of job control statements, and a listing of warning and error messages and the actions to be taken when these messages occur.  
Manual, 120 pages
- GH19-1042  
BUDGETS AND PLANS GENERATOR (BUDPLAN) SPECIFICATIONS S/360/370 OS AND OS/VS - PROGRAM PRODUCT 5734-F51  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification sheet
- SH19-1061  
SYSTEM/370 DOS/VS BUDGETS AND PLANS GENERATOR (BUDPLAN) PROGRAM REFERENCE MANUAL PROGRAM NUMBER 5746-F51  
BUDPLAN is an application program that processes corporate models which can be defined by the user. It generates budgets and medium or long range plans in order to assist the user in evaluating financially the consequences of management decisions.  
This manual describes not only the functions of BUDPLAN, but also its system concepts, inputs, and processing methods used.  
Manual, 208 pages
- SH19-1062  
BUDPLAN DOS/VS OPERATOR'S GUIDE - PROGRAM PRODUCT 5746-F51  
This manual contains information describing the BUDPLAN machine-readable material system installation and data preparation procedures, file management, and warning and error messages, and the action to be taken when the messages occur.  
Manual, 90 pages
- GH19-2000  
IBM VEHICLE SCHEDULING PROGRAM--EXTENDED GENERAL INFORMATION MANUAL PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)  
This publication describes the general capabilities of the IBM Vehicle Scheduling Program--Extended (VSPX), and explains some of its various uses.  
The Vehicle Scheduling Program--Extended determines the route that a group of vehicles must travel in order to meet certain commitments in the delivery of services or products to a given number of destinations. The result is a feasible schedule representing a good balance of basic-variable values, such as travel time and number of vehicles used.  
To achieve this, the program analyzes a network representing the potential calling points and computes either the actual or the approximate distances between all points. A schedule is then produced which adheres to such restrictions as route time, speed, vehicle capacity, and customer requirements. The reader of this manual should be familiar with data processing and the IBM System/360 or the IBM System/370.  
General Information Sales and Service Manual, 28 pages
- SH19-2304  
IBM VEHICLE SCHEDULING PROGRAM--EXTENDED (OS AND DOS) PROGRAM DESCRIPTION MANUAL PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)  
This manual contains detailed information about the preparation for, the functions of, and the use of the IBM Vehicle Scheduling Program--Extended (VSPX). Detailed suggestions concerning data preparation are included. The reader should be familiar with the General Information Manual IBM Vehicle Scheduling Program--Extended (OS and DOS), Form GH19-2000.  
Program Description Manual, 144 pages
- SH19-2607  
IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (OS) OPERATIONS MANUAL, PROGRAM NUMBER 5734-XM5  
This manual describes the machine-readable material of the Vehicle Scheduling Program--Extended (VSPX), executed under OS, as distributed to the users. It discusses all procedures required for generating and cataloging VSPX, for the execution of VSPX jobs, and lists the error messages. This manual enables the user to install and execute VSPX.  
Operations Manual, 44 pages
- SH19-2608  
IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS) OPERATIONS MANUAL, PROGRAM NUMBER 5736-XM3  
This manual describes the machine-readable material of the Vehicle Scheduling Program - Extended (VSPX), executed under DOS, as distributed to the users. It discusses all procedures required for generating, cataloging, and executing VSPX. It also lists the error messages issued by VSPX.  
This manual enables the user to install and execute VSPX.
- Operations Manual, 36 pages
- GH19-2903  
IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS) SPECIFICATIONS - PROGRAM NUMBER 5736-XM3  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program Product Specifications, 2 pages
- GH19-4000  
FORECASTING AND MODELING SYSTEM (FAMS) GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION), 5734-XS7 (OS VERSION)  
This manual provides general information on the Forecasting And Modeling System (FAMS). FAMS is a collection of statistical and data handling routines to build and analyze forecast models. The functions of FAMS include the creation of data files, simple forecasting, model building and evaluation, forecasting by the use of the model, and analysis of the forecast results.  
The main objectives of FAMS are to systematically process vast and tedious calculations, to update and improve models easily, and to perform various studies through formulated models.  
Manual, 48 pages
- SH19-4001  
FORECASTING AND MODELING SYSTEM (FAMS) PROGRAM REFERENCE MANUAL - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION), 5734-XS7 (OS VERSION)  
The IBM Forecasting and Modeling System (FAMS) is an application program package for building and analyzing forecast models through the use of statistical methods.  
This manual provides a detailed description of the five FAMS modules: FILE (Data File), PRAN (Pre-Analysis), ESTI (Estimation), CAST (Forecast), and POST (Pre-Analysis). For each module, the functions, input and output, and the methods of calculation are given.  
Manual, 456 pages
- SH19-4002  
FAMS OPERATIONS GUIDE  
The IBM Forecasting and Modeling System (FAMS) is an application program package for building and analyzing forecast models through the use of statistical methods.  
This manual contains information regarding preparatory and operating procedures for the programs. It also includes the description of the messages that can be produced by the programs.  
Manual, 142 pages
- GH19-5012  
MATRIX GENERATOR AND REPORT WRITER GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-XMC  
MGRW is a language for rapid error-free generation of mathematical programming models, and for producing clear reports to individual requirements from the optimal solutions to these problems. This manual describes briefly the facilities of the language, and examines the advantages and savings made possible by the use of MGRW.  
Readers should have some knowledge of Mathematical Programming.  
Manual, 26 pages
- SH19-5029  
SYSTEM/370 APT-BP, SYSTEM/370 APT-IC, AND SYSTEM/370 APT-AC NUMERICAL CONTROL PROCESSORS: PROGRAM REFERENCE MANUAL VOL.2 PROGRAM NOS. 5740-M51, M52, M53  
This publication describes the Design Aid for Postprocessors (DAPP) component of the IBM System/370 Automatically Programmed Tool (APT) range of Program Products. It is primarily for postprocessor writers having a detailed knowledge of the machine-tool/controller combination for which a postprocessor is required.  
Included in this publication are a description of the DAPP routines and how data is passed between the routines and a suggested method of completing a DAPP-based postprocessor. In order to complete a DAPP-based postprocessor, a knowledge of the APT and FORTRAN IV languages is assumed.  
Manual, 270 pages
- GH19-5035  
SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) - PROGRAM PRODUCT GENERAL INFORMATION MANUAL - PROGRAM NO. 5734-XXB  
This manual contains a general description of SIMPL/I, the PL/I-based simulation system. A brief discussion of simulation as an aid to management is followed by a description of the design concept, highlights and use of SIMPL/I as a simulation language.  
Manual, 28 pages
- SH19-5038  
SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) OPERATIONS GUIDE PROGRAM PRODUCT 5734-XXB  
This manual explains how to install the SIMPL/I System, and describes the Job Control Language statements needed to run models coded in SIMPL/I.  
Manual, 76 pages

GH19-5039

SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) - PROGRAM PRODUCT SPECIFICATIONS - PROGRAM PRODUCT 5734-XXB  
This publication contains the specifications for the Simulation Language Based on PL/I (SIMPL/I), program number 5734-XXB.  
Program Product Specifications, 2 pages

GH19-5041

IBM SYSTEM/360 AND SYSTEM/370 MATRIX GENERATOR AND REPORT WRITER (MGRW) PROGRAM NO. 5734-XMC SPECIFICATIONS  
MGRW (Matrix Generator and Report Writer) is a language designed for the generation of matrices representing the user's problems for input to the Mathematical Programming system Extended (MPSX), Program Product 5734-XX4. MGRW is also designed to generate reports based on the MPSX solutions to these problems and the original data.  
Flyer, 2 pages

GH19-5042

MATRIX GENERATOR AND REPORT WRITER (MGRW) PRIMER PROGRAM PRODUCT 5734-XMC  
This manual describes the basic concepts and facilities of MGRW by working through an example of a simple linear programming problem.  
Readers are expected to be familiar with both MPSX and Linear Programming (LP).  
Manual, 66 pages

SH19-5060

SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) PROGRAM REFERENCE MANUAL - PROGRAM PRODUCT 5734-XXB  
This publication describes the SIMPL/I Simulation Language, and illustrates its use in simulation and list-processing applications.  
Manual, 218 pages

GH19-7000

CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) AND GRAPHIC FEATURE (CSMP III GRAPHIC FEATURE) GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-XS9  
CSMP III is an IBM program product which aids development and execution of simulation models for continuously changing systems represented by differential equations. CSMP III is a significant extension of the previously available System/360 CSMP. It offers:

- o A model-building language based on and including the widely accepted FORTRAN IV language.
- o A broad selection of formats for displaying or tabulating simulation results.
- o A symbolic library system for storing and retrieving models and commonly used routines.
- o An optional Graphic Feature that dramatically reduces model development time by providing interaction between man and machine at all stages of the simulation process.

Manual, 64 pages

SH19-7001

CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XS9  
This is an IBM program product for the simulation of continuous systems. CSMP III provides an application oriented input language that accepts models expressed in the form of either an analog block diagram or a system or ordinary differential equations. Data input and output are facilitated by application-oriented control statements.  
This manual contains a general description of the program, detailed programming information, and a description of input and output.  
Program Product Manual, 184 pages

SH19-7002

CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) OPERATIONS GUIDE - PROGRAM NUMBER 5734-XS9  
Continuous System Modeling Program III (CSMP III) is an IBM program product for the simulation of continuous systems. CSMP III provides:

- o Functions for performing the simulation of continuous systems
- o The capability of using FORTRAN IV statements
- o A system for building, maintaining, and using as an extension to the language libraries of commonly used application-oriented routines.
- o A wide choice of formats for obtaining print-plotted and tabulated output of simulation results

This manual contains information and procedures that enable the reader to retrieve machine-readable material from the basic distribution tape, create the required system load modules, incorporate frequently used procedures into the OS procedure library (named SYS1 PROCLIB), and execute the supplied sample model. It also describes how to modify the CSMP III source and object modules to build the modified system, back up such a modified system, and maintain the CSMP III Symbolic Library data set.  
Program Product Manual, 48 pages

SH19-7003

CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC FEATURE - PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XS9  
The Graphic Feature extends the simulation capability of the Continuous System Modeling Program III, via the IBM 2250 Display Unit, to an interactive environment especially conducive to the experimental process. In combination, they are referred to in this manual as Graphic CSMP III.  
This manual describes the Graphic Processor panels and explains how the user employs them to interact with his CSMP III model development, control simulation runs, and interrogate simulation results. The user is shown how to combine the Graphic CSMP III Symbolic Library and the Save data sets for on-line storage and retrieval of data, sub-models or entire models. The manual also explains how to employ the Information data set to answer questions concerning the use of CSMP III statements.  
Program Product Manual, 88 pages

SH19-7004

CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC FEATURE OPERATIONS GUIDE - PROGRAM NUMBER 5734-XS9  
The Graphic Feature extends the simulation capability of the Continuous System Modeling Program III, via the IBM 2250 Display Unit, to an interactive environment especially conducive to the experimental process. In combination, they are referred to in this manual as Graphic CSMP III to convey this interactive capability.  
This manual contains information and procedures that enable the reader to retrieve machine-readable material from the basic distribution tape, create the required system load modules, incorporate frequently used procedures into the OS procedure library (named SYS1 PROCLIB) and execute the supplied sample model. It also describes how to modify the Graphic CSMP III source and object modules, build the modified system load modules, back up such a modified system, and maintain the Graphic CSMP III Symbolic Library, Information and Save data sets.  
Program Product Manual, 52 pages

GH19-7010

GRAPHIC FEATURE FOR THE CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-XS9  
These are the program product specifications for the Graphic Feature for the Continuous System Modeling Program III (CSMP III), program number 5734-XS9.  
Program Product Specifications, 4 pages

GH19-7024

IBM 3277 DISPLAY STATION CUSTOM FEATURE DESC. 1980-C24 PRINTER ATTACHMENT RPQ U58950  
This manual describes the operation of the IBM 1980-C24 Printer when attached to an IBM 3277-001 Display Station. Operating procedures and physical planning information for the 1980 Ticket Printer only is included.  
The Introduction includes a discussion of the operation of the 3277 Display Station when this RPQ is attached. It is intended mainly for company executives, planners, programmers, and IBM marketing representatives.  
The 1980 Printer Operating Procedures provide the necessary information to allow an operator to use the printer.  
The Physical Planning section provides physical data to assist installation planners.  
When this publication is used, it is assumed that the reader is familiar with the 3270 system manuals, applicable to his needs.  
An Introduction to the 3270 Information Display System, GA27-2739  
Operator's Guide for IBM 3270 Information Display Systems, GA27-2742  
IBM 3270 Information Display System Component Description, GA27-2749  
Manual, 20 pages

GH20-0126

ADVANCED LIFE INFORMATION SYSTEM (DOS): APPLICATION DESCRIPTION MANUAL, PROG. NOS. 360A-IL-09X, 5736-N11  
This system represents a new insurance information systems approach to the maintenance, processing, and servicing of individual life insurance contracts. It provides for immediate direct access inquiry and a base for a teleprocessing communications network.  
The system uses a modular programming technique to process all scheduled and nonscheduled transactions, to provide figures for annual and interim statement purposes, to update policies with cash values, dividends, and other forms of participation, and to update policies with renewable term premiums on or just before anniversary. Internal and remote interrupt capabilities provide policy status on loan, surrenders, and mode premium values.  
Basically, the information contained in this manual includes a general description of the system, insurance statements describing the approach, and a discussion of the policy master record. The manual is intended to define for the reader the amount of information needed to establish the system and to serve as a guide for his early planning.  
Program Product Manual, 47 pages

GH20-0136

MATHEMATICAL PROGRAMMING SYSTEM/360 APPLICATION DESCRIPTION, PROG. NOS. 360A-CO-14X (MPS/360), -15X (MARVEL), AND -20X (MPSRG)

MPS/360 is an open-ended mathematical programming system. This manual is an overview of the capabilities of the programs composing MPS/360.

Use of the MPS/360 might involve building of a mathematical model, finding an optimal solution, determining the effect of changing key data on the optimal solution, computing alternate solutions by systematically varying cost or requirements data, and preparing a management report. Application areas include material allocation, blending of ingredients, production or refinery scheduling, distribution and shipping, machine loading, waste reduction, and many other areas.

Application Program Manual, 32 pages

GH20-0149

SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING CAPABILITY (360A-FB-16X) APPLICATION DESCRIPTION

This program furnishes System/360 programming support for 1060 systems and minimizes expenses in installing and maintaining teller terminal complexes. The Application Description gives an overview of the program, lists its advantages, discusses applications and machine-oriented concepts, presents control and audit procedures, and contains other standard sections, plus a glossary of terms.

Application Program Manual, 17 pages

GH20-0165

COMMUNICATION CONTROL APPLICATION PROGRAM (360A-SC-01X) APPLICATION DESCRIPTION

This manual introduces a program to switch administrative messages originating at remote terminal locations and destined for one or more terminal locations in the same network. A switching center maintains control of the network and performs various checks to ensure against message loss or duplication. The program provides queuing messages for output and logging messages for later retrieval. Messages destined to inoperative terminals are held in a queue until delivery is possible. The program also provides various supervisory controls for efficient operation of the system.

Application Program Manual, 14 pages

GH20-0166

SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (360A-CM-03X) VERSION III APPLICATION DESCRIPTION

The Scientific Subroutine Package (SSP) is a collection of over 250 FORTRAN subroutines divided, for the sake of presentation, into two groups: statistics and mathematics. Over 200 subroutines are presented in both single- and double-precision mode. SSP is a collection of input/output-free computational building blocks that can be combined with a user's input, output, or computational routines to meet his needs. The package can be applied to the solution of many problems in industry, science, and engineering.

Version 3 of the Scientific Subroutine Package for System/360 incorporates and extends the capabilities of the original SSP/360. This version provides over 40 new mathematical and statistical subroutines, 24 of which are in both single- and double-precision FORTRAN. Typical of the new capabilities is the use of the QR iteration for obtaining eigenvalues of a matrix, and the non-parametric test of Kolmogorov-Smirnov.

The Application Description presents the purpose and objectives of the program, a list of subroutines, machine configuration, programming systems, precision, and a list of reference material.

Application Program Manual, 18 pages

GH20-0173

SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) - APPLICATION DESCRIPTION

This manual describes use of the System/360 Wholesale IMPACT Program Library to implement the IMPACT system for scientific inventory management. The IMPACT system provides the means of deciding when to order and how much to order for items in inventory to minimize the total cost of inventory, purchasing, receiving, and lost discounts for any specified level of service. This is accomplished by using probability science in combination with an IBM System/360.

Application Program Manual, 9 pages

GH20-0181

SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSIONS 3 AND 4 (360-CN-10X) APPLICATION DESCRIPTION

The IBM System/360 APT uses a symbolic language to simplify the preparation of instructions for numerically controlled machine tools. The APT processor prepares intermediate data for a user-written postprocessor program.

Application Program Manual, 96 Pages

GH20-0186

GENERAL PURPOSE SIMULATION SYSTEM/360 - APPLICATION DESCRIPTION PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X

This manual discusses the role of GPSS in system simulation, briefly describes the operation of the GPSS program, and

points out its application scope. A final section describes the new entities, block types, expanded features, and system requirements of GPSS/360.

Application Program Manual, 18 pages

GH20-0194

SYSTEM/360 DATA CONVERSION UTILITIES - APPLICATION DESCRIPTION PROGRAM NUMBERS, 360A-SE-15X, 360A-SE-20X, 360A-SE-26X

This publication describes the general capabilities of IBM System/360 Data Conversion Programs and, through examples, illustrates their use.

The IBM System/360 Data Conversion Programs provide an effective and flexible capability for converting current IBM system data files to system/360 data sets. Designed as general purpose utility programs utilizing control cards, the programs will accept data sets from current IBM systems tape or DASD devices and write these data sets in the proper formats on System/360 tape or DASD devices. The programs have data transformation capability that allows maximum flexibility in resystemizing data sets for System/360.

Application Program Manual, 50 pages

GH20-0197

S/360 BILL OF MATERIAL PROCESSOR (360A-ME-06X) APPLICATION DESCRIPTION

Consists of basic program modules to create and maintain the part number master and the product structure files, program revisions required to create and maintain manufacturing routing and work center master files, and file reorganization modules.

This program represents a continued support by IBM in the areas of manufacturing application definition and implementation. The package provides manufacturing organizations with easy-to-modify programs that establish and maintain basic information files describing the structure of products and their manufacturing procedures and logic diagrams explaining the retrieval of this information in fundamental applications.

Application Program Manual, 40 Pages

GH20-0199

FLOWCHART - APPLICATION DESCRIPTION PROGRAM NUMBERS 360A-SE-22X

The IBM System/360 Flowchart is a System/360 program designed to produce program flowcharts. This documentation aid operates under the IBM Disk Operating System (DOS) and is intended to minimize the planning and effort required to produce and maintain program documentation.

It enables the user to:

1. Produce clear, standardized, easily reproduced computer-generated flowcharts.
2. Facilitate program development by keeping flowcharts continually up to date.
3. Standardize flowcharting techniques.

This publication describes the purposes and objectives of the IBM System/360 Flowchart and explains its uses. It contains a general description of the application, a discussion of the input language, an explanation of System/360 Flowchart processing, a detailed description of the statements, and miscellaneous application information.

For detailed information, the user is referred to the User's Manual.

Application Program Manual, 26 pages

GH20-0202

STUDENT SCHEDULING SYSTEM/360 APPLICATION DESCRIPTION PROGRAM NUMBERS 360A-US-06X, 360A-US-07X

Student Scheduling System/360 is a class section assignment package for scheduling students in secondary schools, vocational schools, and junior colleges. After a school has created a master schedule of course offerings, the system processes student requests to create student schedules and class lists.

This scheduling package includes two auxiliary programs. A Tally program and a Conflict Matrix program furnish the school administrator with data useful to master schedule creation. The Tally run lists the total number of students requesting each course, and the Conflict Matrix points out potential scheduling conflicts.

The new package contains improvements over many similar programs. Greater flexibility is achieved by inclusion of many new user options, such as better study hall control, common-course scheduling, an expanded prerun edit, and alternate course substitution. Parameters controlling number of periods per day, number of courses offered, sections per course, and total number of sections have been significantly enlarged. Features of the new IBM System/360 are also utilized to increase overall program effectiveness.

Application Description, 27 pages

GH20-0205

SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (360A-CM-03X) VERSION III PROGRAMMER'S MANUAL

This Scientific Subroutine Package (SSP) is a collection of over 250 FORTRAN subroutines divided, for the sake of presentation, into two groups: statistics and mathematics. Also, over 200 subroutines are presented in both single and double precision mode. SSP is a collection of input-

output-free computational building blocks that can be combined with a user's input, output, or computational routines to meet his needs. The package can be applied to the solution of many problems in industry, science, and engineering.

Version 3 of the Scientific Subroutine Package for System/360 incorporates and extends the capabilities of the original SSP/360. This version provides over 40 new mathematical and statistical subroutines 24 of which are in both single- and double-precision FORTRAN. Examples of the new capabilities are the use of the QR iteration for obtaining eigenvalues of a matrix, and the nonparametric test of Kolmogorov-Smirnov.

This manual contains sufficient information to permit the reader to understand and use all of the subroutines of the Scientific Subroutine Package.  
Application Program Manual, 456 pages

GH20-0210

PROJECT MANAGEMENT SYSTEM (360A-CP-04X) VERSION 2 FOR IBM SYSTEM/360 - APPLICATION DESCRIPTION

PMS/360 is a highly modular set of computer program routines, each performing one function common to many management applications. It is open-ended - that is, the number of functions under PMS/360 can be expanded and added to. It is versatile - that is, the user can control program logic without resorting to reprogramming. Output reports can be defined with a single set of procedural statements and can be revised with every computer run if required. The computer code itself is written in a way that simplifies modification, if this ever becomes necessary. At present, PMS/360 contains the following three modules: a Network Processor, a Cost Processor, and a versatile Report Processor. In suitable combinations these processors will accomplish the data processing required in critical path analysis, PERT, and PERT Cost.  
Application Program Manual, 28 pages

GH20-0217

SYSTEM/360 COBOL EDIT ON THE 1401 PROGRAM REFERENCE MANUAL (1401-SE-13X)

This program is of benefit to System/360 COBOL users in detecting syntactical errors in System/360 COBOL program statements before compilation of the system/360.

The program reference manual contains complete data on the application description, programming information, and operating instructions. Systems information is not presented in detail.  
Application Program Manual, 22 pages

GH20-0220

STUDENT SCHEDULING SYSTEM/360 THE TALLY AND CONFLICT MATRIX PROGRAMS (360A-US-06X) USER'S MANUAL

Use of the Tally and Conflict Matrix programs of Student Scheduling System/360 is facilitated by this combined programmer's and operator's manual. These two programs furnish the school administrator the data needed to create the best possible master schedule of course and section offerings, prior to use of the Scheduler Program.

The Tally program accumulates the number of students requesting each course, by sex and by grade. These counts are used to determine how many sections of a given course are required. Those courses shown to require one- or two-section offerings are entered into the Conflict Matrix program, which is then used to point out potential scheduling conflicts.

The programmer's section of this manual contains program systems charts, general program description, I/O description, program modification aids, sample problem, etc. The operator's section contains program setup sheet, console operator's instructions, message list, storage maps, and restart procedures.  
Application Program Manual, 29 pages

GH20-0222

SYSTEM/360 PROJECT CONTROL SYSTEM (360A-CP-06X) VERSION 2 APPLICATION DESCRIPTION

This manual presents a brief description of a project control system, and discusses the design, features, and input/output characteristics of a computer program developed to serve as a data processing element of such a system. Although the IBM System/360 Project Control System is designed primarily for those areas of government and industry concerned with construction, repair, or maintenance, its features are such that it can meet the critical path requirements of a broad range of users, regardless of industry.  
Application Program Manual, 22 pages

GH20-0232

SYSTEM/360 DATA CONVERSION UTILITY I PROGRAMMER'S MANUAL (360A-SE-15X)

This program is useful in converting IBM 1620/1401/1440/1460/1410/7010 card, tape, and DASD data files to System/360 tape or DASD data sets.

The Programmer's Manual presents a general and detailed description of the program and its operation under the IBM System/360 Basic Operating System (8K disk). In addition, the individual modules, standard program interfaces, and incorporation of user modules are discussed.

The reader should be familiar with IBM SYSTEM/360 DATA CONVERSION UTILITY I - APPLICATION DESCRIPTION, Form H20-

0194, IBM BASIC OPERATING SYSTEM/360 ASSEMBLER WITH INPUT/OUTPUT MACROS (8K DISK), Form C24-3361, and IBM BASIC OPERATING SYSTEM/360 PROGRAMMER'S GUIDE, Form C24-3372.  
Application Program Manual, 86 pages

GH20-0233

SYSTEM/360 DATA CONVERSION UTILITY I OPERATOR'S MANUAL (360A-SE-15X)

This program is useful in converting IBM 1620/1401/1440/1460/1410/7010 card, tape, and DASD data files to System/360 tape or DASD data sets.

The Operator's Manual presents a program setup sheet, console operating instructions, message list, storage maps and restart procedures.

The reader should be familiar with SYSTEM/360 DATA conversion utilities - application description, (GH20-0194), IBM System/360 Data Conversion Utility I - Programmer's Manual, (GH20-0232), and IBM Basic Operating System/360 Operating Guide, order number GC24-3450.  
Application Program Manual, 32 pages

GH20-0239

STUDENT SCHEDULING SYSTEM/360 THE SCHEDULER PROGRAM (360A-US-07X) USER'S MANUAL

Student Scheduling System/360 is a class section assignment program for scheduling students in secondary schools, vocational schools, and junior colleges. After a school has created a master schedule of course offerings, the system processes student requests to create student schedules and class lists.

This manual contains a detailed explanation of the Scheduler program within the scheduling application framework, with special emphasis on input data and output reports. It also included an "Operator's Section", which describes operational setup and running procedures.  
Manual, 64 pages

GH20-0240

SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM (360A-CX-16X) APPLICATION DESCRIPTION

This is an IBM System/360 program for the simulation of continuous systems. It provides an application-oriented input language that accepts problems expressed in the form of either an analog block diagram or a system of ordinary differential equations. Data input and output are facilitated by means of application-oriented control statements.

This manual contains a general description of the application, the machine configuration, a general systems chart, and a sample problem.  
Application Program Manual, 30 pages

GH20-0242

SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360 APPLICATION DESCRIPTION

PROGRAM NUMBER 360A-SE-33X  
This manual describes the macro-instruction support which enables a System/360 with OS/360 to communicate with STR-type terminal devices. The level of support is discussed, and the language is briefly described.  
Application Program Manual, 12 pages

GH20-0243

SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360 APPLICATION DESCRIPTION

This manual describes the macro-instruction support which enables a system/360 with DOS/360 to communicate with STR-type terminal devices. The level of support is discussed, and the language is briefly described.  
Application Program Manual, 8 pages

GH20-0244

COMMUNICATIONS CONTROL APPLICATION PROGRAM (360A-SC-01X) PROGRAMMER'S MANUAL

This manual is intended to supply an overall understanding of the CCAP system concepts. It contains sufficient information to allow a systems programmer to plan and design a CCAP installation.  
Application Program Manual, 52 pages

GH20-0245

COMMUNICATIONS CONTROL APPLICATION PROGRAM (360A-SC-01X) (CCAP) OPERATOR'S MANUAL

This manual is intended for use as a console operator's guide. The information herein includes those items necessary for daily operation of the CCAP system. The manual presents loading instructions, a section describing each console control order with associated printed outputs, header error TTY outputs, and error outputs that may occur during operation.  
Application Program Manual, 28 pages

GH20-0246

S/360 BILL OF MATERIAL PROCESSOR (360-ME-06X) VERSION 2 PROGRAMMER'S MANUAL

Consists of basic program modules to create and maintain the part number master and the product structure files, program revisions required to create and maintain manufacturing routing and work center master files, and

file reorganization modules.

This program represents a continued support by IBM in the areas of manufacturing application definition and implementation. The package provides manufacturing organizations with easy-to-modify programs that establish and maintain basic information files describing the structure of products and their manufacturing procedures and logic diagrams explaining the retrieval of this information in fundamental applications.  
Application Program Manual, 397 pages

GH20-0254

S/360 BILL OF MATERIAL PROCESSOR (360A-ME-06X) VERSION 2 OPERATOR'S MANUAL  
Consists of basic program modules to create and maintain the part number master and the product structure files, program revisions required to create and maintain manufacturing routing and work center master files, and file re-organization modules.

This program represents a continued support by IBM in the areas of manufacturing application definition and implementation. The package provides manufacturing organizations with easy-to-modify programs that establish and maintain basic information files describing the structure of products and their manufacturing procedures and logic diagrams explaining the retrieval of this information in fundamental applications.  
Application Program Manual, 97 pages

GH20-0255

SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) - USER'S MANUAL

This program library provides a distributor with the information necessary to determine when and how much to order. This minimizes the total cost of carrying inventory, purchasing, receiving, freight charges, and lost discounts for any specified level of service. The program library uses probability science in combination with an IBM System/360.

The IMPACT programs are grouped into two categories: initializing and estimating programs, and operating programs. Five programs are provided for initializing and estimating purposes: (1) edit run, (2) mean absolute deviation and forecast model run, (3) order quantity and order model run, (4) safety stock and safety factor run, and (5) report generator run. Three programs are provided for operating purposes: (1) service point and variable interval allocation run, (2) fixed interval allocation run, and (3) allocation print run.

The User's Manual contains a general description of the overall program and a detailed description of each subprogram.  
Application Program Manual, 134 pages

GH20-0256

SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) - OPERATOR'S MANUAL

This program library provides a distributor with the information necessary to determine when and how much to order. This minimizes the total cost of carrying inventory, purchasing, receiving, freight charges, and lost discounts for any specified level of service. The program library uses probability science in combination with an IBM System/360 Data Processing System.

The IMPACT programs are grouped into two categories: initializing and estimating programs, and operating programs. Five programs are provided for initializing and estimating purposes: (1) edit run, (2) mean absolute deviation and forecast model run, (3) order quantity and order model run, (4) safety stock and safety factor run, and (5) report generator run. Three programs are provided for operating purposes: (1) service point and variable interval allocation run, (2) fixed interval allocation run, and (3) allocation print run.  
Application Program Manual, 60 pages

GH20-0262

SYSTEM/360 DEMAND DEPOSIT ACCOUNTING (360A-FB-15X) - OPERATOR'S MANUAL

This manual contains operating instructions for the runs that make up the System/360 Demand Deposit Accounting application program. It includes instructions for preparation of all I/O units, and, for each program, a program setup sheet, operating instructions, operator message list, and core map.  
Application Program Manual, 9 pages

GH20-0263

SYSTEM/360 DEMAND DEPOSIT ACCOUNTING (360A-FB-15X) PROGRAMMER'S MANUAL

This program is adaptable by commercial banks to accomplish demand deposit accounting in either a single or multi-bank environment. The program provides for conversion of IBM 1440 series disk and tape balance and name/address records. Also included are programs to collect and display historical profit and loss information for selected accounts or groups of accounts.

For each program, this manual presents a program abstract, program systems chart, and general description. Where applicable, some program modification aids are included.

The input/output section includes a summary for all

files by type (card, disk, tape, printer, and MICR) and a visual record layout and description of file functions.  
Application Program Manual, 245 pages

GH20-0283

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS): APPLICATION DESCRIPTION, PROG. NOS. 5736-N21/22/24/25 AND 360A-IF-10X/11X/13X

The power and capacity of the IBM System/360 make possible the use of powerful techniques in insurance data processing. The Property and Liability Information System is designed to implement these techniques. The system represents a new insurance information systems approach to the maintenance and processing of insurance contracts in a property and liability company. It provides on-line status inquiry and a base for a teleprocessing communications network.

The system uses a modular programming technique to process the following transactions for all lines of insurance: new business, renewals, endorsements - money and non-money, cancellations, direct billing, premium collections, claims arising, claims updating, and status inquiries. Programs are written in a modular fashion to permit ease of understanding, maintenance, and modification, thus permitting each user to modify the system to his own specific needs.

The heart of this system is the detailed policy master file stored on the IBM 2321 Data Cell Drive or the IBM 2314. Since the file will be updated daily, every record will be current as of the last transaction processed and applied to the policy. For homeowners with private passenger automobile, the system provides rating for new business, renewals, endorsements, and cancellations; it also maintains the policy record.

This manual contains a general description of the system. It is intended to define for the reader the amount of information needed to evaluate PALIS initially.  
Program Product, Application Description Manual, 48 pages

GH20-0285

SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2 PROGRAMMER'S MANUAL (360A-SE-26X)

These macros will be helpful in converting IBM 705/1401 1410/1440/1460/1620/7010/7040/7044/7070/7074/7080/7090/7094 card or tape data files to System/360 tape or DASD data sets.

This manual presents a general and detailed description of the program and its operation under the IBM System/360 Tape Operating System and the IBM System/360 Disk Operating System. In addition, the macro capabilities, standard program interfaces, and incorporation of user instructions are discussed.

The reader should be familiar with the corresponding Manual, (GH20-0286), and with those IBM System/360 manuals listed in the application directory.  
listed in the Application Directory.  
Application Program Manual, 94 pages

GH20-0286

SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2 OPERATOR'S MANUAL PROGRAM NUMBER 360A-SE-26X

This program will be useful in converting IBM 705/1401 1410/1440/1460/1620/7010/7040/7044/7070/7074/7080/7090/7094 card and tape data files to System/360 tape or DASD data sets.

This manual presents operating procedures, a message list, restart procedures, and a program setup sheet.

The reader should be familiar with the corresponding application description, (GH20-0194), and programmer's manual, (GH20-0285), and with IBM System/360 Tape Operating System, Operating Guide, (GC24-5021), or IBM System/360 Disk Operating System, Operating Guide, order number GC24-5022.  
Application Program Manual, 18 pages

GH20-0290

MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) VERSION 2 CONTROL LANGUAGE USER'S MANUAL

This manual is one of a series of manuals which describe the use of the IBM Mathematical Programming System/360 (MPS/360). This manual describes the organization of the components of MPS/360 and their interface with Operating System/360 OS/360. It also describes in detail the control language used to communicate a solution strategy for solving a mathematical programming problem to MPS/360, and OS/360 job control language statements necessary to execute MPS/360.

Application Program Manual, 44 pages

GH20-0293

SYSTEM/360 FLOWCHART USER'S MANUAL (360A-SE-22X)

The IBM System/360 Flowchart is a System/360 program designed to produce program flowcharts. This documentation aid operates under the IBM Disk Operating System (DOS) and is intended to minimize the planning and effort required to produce program flowcharts. This documentation aid operates under the IBM Disk Operating System (DOS) and is intended to minimize the planning and effort required to produce program flowcharts. This documentation aid operates under the IBM Disk Operating System (DOS) and is intended to minimize the planning and effort required to produce

and maintain program documentation.

It enables the user to:

1. Produce clear, standardized, easily reproduced computer-generated flowcharts.
2. Keep flowcharts continually up to date.
3. Standardize flowcharting techniques.

This reference publication contains the specifications and detailed instructions for using the System/360 Flowchart program. The only prerequisite for reading it is a basic understanding of flowcharting.

Application Program Manual, 56 pages

GH20-0294

SYSTEM/360 FLOWCHART OPERATOR'S MANUAL  
PROGRAM NUMBER 360A-SE-22X

The IBM System/360 Flowchart is a System/360 program designed to produce program flowcharts. This documentation aid operates under the IBM Disk Operating System (DOS) and is intended to minimize the planning and effort required to produce and maintain program documentation.

It gives the user the ability to:

1. Produce clear, standardized, easily reproduced computer-generated flowcharts.
2. Keep flowcharts up to date continually.
3. Standardize flowcharting techniques.

This reference publication gives the specifications and detailed information for operating the System/360 Flowchart program. It contains the console operating instructions, job control card deck key, job control card details, halt and message list, a file and storage map, and restart procedures.

A knowledge of DOS operating procedures, including the use of job control card, is a prerequisite for reading and using this manual.

Application Program Manual, 20 pages

GH20-0297

SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS)  
(360A-CX-19X) APPLICATION DESCRIPTION MANUAL

This system consists of control and functional programs that permit many different text-processing and data-handling activities to be carried on simultaneously through different typewriter terminals attached to an IBM System/360. Written to operate under OS/360, the Administrative Terminal System runs in a multiprogramming environment. It will run concurrently with and independently of other tasks in other partitions/regions.

This publication contains a general discussion of the features of the program, an indication of some of the areas in which it may be applied, and the machine configuration required. Three appendices are included dealing with data formats, core storage estimates, and communication line requirements.

Application Program Manual, 24 pages

GH20-0302

SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS)  
VERSION 2 APPLICATION DESCRIPTION, PROG. NO. 360A-UH-11X

The Shared Hospital Accounting System (SHAS) provides hospital accounting for a multiple hospital environment. The participating hospitals are connected to the central System/360 facility by teleprocessing terminals.

SHAS consists of application programs and a supervisory and teleprocessing executive. The application programs are patient billing, accounts receivable, and general ledger including allocation for Medicare. Accounting for both inpatients and outpatients is provided. SHAS determines Medicare insurance prorations, facilitating the preparation of Medicare inpatient and outpatient billing forms.

Manual, 30 pages

GH20-0304

GENERAL PURPOSE SIMULATION SYSTEM/360  
INTRODUCTORY USER'S MANUAL

PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X

This publication provides a basic introduction to the use of the General Purpose Simulation System/360 (GPSS/360). It is written for those individuals who have not had previous simulation experience.

Examples are given throughout the manual to emphasize the basic features of the GPSS/360 program. A complete and detailed description of all the GPSS/360 features may be found in the GPSS/360 User's Manual (H20-0326). Readers are advised to obtain a copy of the User's Manual when they begin to write more sophisticated models.

The information presented in this manual should enable most readers to apply the program intelligently within a short period of time.

DP Application Manual, 92 pages

GH20-0305

SYSTEM/360 ON LINE TELLER PROGRAM WITH BACKGROUND PROCESSING  
CAPABILITY (PROGRAM NUMBER 360A-FB-16X) PROGRAMMER'S MANUAL

This program furnishes System/360 programming support for 1060 systems and minimizes expenses in installing and maintaining teller terminal complexes. This manual presents the program logic and data definitions for the program. It enables a user to plan modifications to the program to suit his own requirements.

Application Program Manual, 183 pages

GH20-0309

SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSION 4  
PART PROGRAMMING MANUAL PROGRAM NUMBER 360A-CN-10X

This program has been developed to span the gap between the engineering drawing and the machine tool control system.

This manual describes APT (Automatic Programmed Tool), a programming system that uses an English-like language to describe a part shown as an engineering drawing. The statements are keypunched into cards, converted by the APT processor into an intermediate format, and then converted to instructions that can be read by the machine tool controller.

Manual, 172 pages

GH20-0311

GENERAL PURPOSE SIMULATION (360A-CS-17X) SYSTEM/360-OS -  
OPERATOR'S MANUAL

This publication contains information that will enable the user to link-edit and incorporate the GPSS/360 program into a system for subsequent execution under the control of OS/360. Detailed examples are given for editing the GPSS/360 program into a private JOBLIB or the OS/360 SYS.LINKLIB; several other examples illustrate the OS/360 cards required to execute models that use various features provided by GPSS/360.

The Operator's Manual describes and illustrates a method (REALLOCATION) whereby the user can reallocate the quantity of GPSS/360 entities and effectively use all available core on a given machine. The various data sets required by GPSS/360 are also listed and described.

Application Program Manual, 38 pages

GH20-0314

SYSTEM/360 DATA CONVERSION UTILITY II, VERSION 3  
(DIRECT ACCESS INDEXED SEQUENTIAL) - OPERATOR'S MANUAL  
(360A-SE-20X)

This program will be useful in converting IBM 705/1410/7010/7044/7070/7074/7080/7090/7094 card, tape, and DASD data files to System/360 tape or DASD data sets.

This manual presents a program setup sheet, console operating instructions, and a message list.

Application Program Manual, 14 pages

GH20-0315

IBM SYSTEM/360 DOCUMENT PROCESSING SYSTEM (360A-CX-12X)  
APPLICATION DESCRIPTION

The System/360 Document Processing System operates under the control of Operating System/360, processing narrative and bibliographic data into a set of interrelated data sets. These data sets can then be searched for Boolean combinations of keywords. Various elements of the data sets can be manipulated by a set of special utilities to produce various forms of indexes.

Without limiting the system to a specific application, because no such limit exists, this manual surveys the operational concepts and capabilities of System/360 Document Processing. Routines within the system are written in the OS/360 Assembler Language and require no further coding on the part of the system user.

Application Program Manual, 24 pages

GH20-0318

CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OS-STANDARD V1  
WITH LANGUAGE/TERMINAL (L/T) FEATURE: APPLICATION DESCRIPTION, PROG. NO. 5736-U11

The IBM Customer Information Control System is a program modularly constructed and designed to assist customers in the installation of on-line information systems. It functions as an interface program between user-written processing programs and the IBM System/360 Operating System (OS/360); the control system with the user-written programs and OS/360 comprise an information system. Through a series of macro instructions, the user invokes the facilities of the IBM Customer Information Control System.

This manual describes the IBM basic Customer Information Control System Program Product and the Language/Terminal (L/T) Feature. The Language/Terminal (L/T) Feature is separately licensed and provides:

1. PL/I - COBOL Interface
2. Extended Terminal Support for
  - a. 1030 Data Collection System
  - b. 2741 Communications Terminal
  - c. Binary Synchronous Communication support for System/360, System/360 Model 20, 1130 Computing System, and 2780 Data Transmission Terminal
  - d. Dial-up Support Switched line support for 2740 Communications Terminal Model 1, 2741 Communications Terminal, and 1050 Data Communication System.

Program Product, Application Description, 39 pages

GH20-0319

SYSTEM/360 DATA CONVERSION AND LABEL PROCESSING SUBROUTINES,  
VERSION 2 PROGRAM REFERENCE MANUAL (360A-SE-23X)

This manual contains a description of a set of subroutines that may be used in converting data files from current system formats to System/360 formats and vice versa. The subroutines available for processing current system data file formats are listed and described. Also, the use of the subroutines is shown by example.



Application Program Manual, 70 pages

## GH20-0321

IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2 CONSOLE OPERATOR'S MANUAL PROGRAM NUMBER 360A-CX-15X  
This manual contains instructions that will permit the console operator to operate the ASP system. ASP console operation is identical in most respects to IBM System/360 console operation. Therefore, to avoid repetition of documentation, the material in this manual has been prepared on the assumption that the operator is familiar with IBM System/360 operation. Details concerning System/360 operations are found in IBM System/360 Operating System, Operator's Guide (GC28-6540), and in its prerequisite and recommended publications. If the 709X Emulator is to be used, the ASP operator should also be familiar with IBM System/360 -- Conversion Aids -- 709/7090/7094/7094II Emulator Program (GC28-6565).  
Manual, 205 pages

## GH20-0322

IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2, APPLICATION PROGRAMMER'S MANUAL PROGRAM NUMBER 360A-CX-15X  
The Attached Support Processor (ASP) system is an operating system that provides a compatible extension to Operating System/360 (OS/360). Designed primarily for the commercial and scientific customer with a computer job shop environment, ASP provides for increased automation of the computing operation. The ASP system operates as a programmed operator of OS/360, providing an operational interface for controlling the system job stream, and thus optimizing the use of the computer's resources.  
This manual contains detailed information concerning system concepts, programming considerations, control cards, deck setup, and output. OS/360 is the primary operating system used for ASP; therefore, to avoid repetition of documentation, the material in this manual has been prepared on the assumption that the programmer is familiar with OS/360 programming. Details of OS/360 utilization are found in IBM Operating System/360 Job Control Language, System Reference Library (GC28-6539), and in its prerequisite and recommended publications.  
Manual, 52 pages

## GH20-0323

IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2, SYSTEM PROGRAMMER'S MANUAL PROGRAM NUMBER 360A-CX-15X  
The Attached Support Processor (ASP) system is an operating system that provides a compatible extension to Operating System/360 (OS/360). Designed primarily for the commercial and scientific customer with a computer job shop environment, ASP provides for increased automation of the computing operation. The ASP system operates as a programmed operator of OS/360, providing an operational interface for controlling the system job stream, and thus optimizing the use of the computer's resources.  
This manual contains detailed information concerning the internal operations of the ASP system and includes a functional description, instructions for writing Dynamic Support Programs and for generating the system, and a description of modifications to OS/360 and 709X Emulator programs.  
Manual, 206 pages

## GH20-0325

SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING CAPABILITY (PROGRAM NUMBER 360A-FB-16X) OPERATOR'S MANUAL  
This manual includes operating procedures for the Online Teller Program as well as the Conversion, Reorganization, and Control Pack Setup programs. It also contains a discussion of testing aids.  
Application Program Manual, 29 pages

## GH20-0326

GENERAL PURPOSE SIMULATION SYSTEM/360 USER'S MANUAL  
This publication is an extension and amplification of the GPSS/360 Introductory User's Manual (H20-0304-0). It provides a detailed description and explanation of the component parts and operation of the GPSS/360 program. Examples illustrating the uses of GPSS/360 are given in appropriate sections of the manual. This manual should enable the reader to construct and simulate models using the full capabilities of GPSS/360.  
Application Program Manual, 246 pages

## GH20-0327

GENERAL PURPOSE SIMULATION SYSTEM/360, DISK OPERATING SYSTEM (360A-CS-19X) OPERATOR'S MANUAL  
This publication contains information that will enable the user to link-edit and incorporate the GPSS/360 program into a system for subsequent execution under the control of DOS/360.  
A method (REALLOCATION) whereby the user can reallocate the quantity of GPSS/360 entities and effectively use all available core on a given machine is described and illustrated. The various data sets required by GPSS/360 are also listed and described.  
Application Program Manual, 22 pages

## GH20-0329

SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL PROGRAM APPLICATION DESCRIPTION PROGRAM NUMBERS 360A-ME-07X  
The IBM System/360 Product Structure Retrieval Program is an implementation package used to retrieve product structure records created and maintained by the System/360 Bill of Material Processor Program (360A-ME-06X). The package will contain (1) generalized programs to retrieve product structure records, (2) flexible user report formats, and (3) logic diagrams explaining the retrieval and use of the information in manufacturing applications.  
This manual contains a general description of the application, the machine configuration, general systems charts, and a discussion of input/output files.  
Application Program Manual, 24 pages

## GH20-0331

SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR (360A-CN-10X) VERSION 4 OPERATIONS MANUAL  
This manual provides suggested processor generation and maintenance techniques, program setup instructions, console operating instructions, halts and error messages, storage map, and restart procedures.  
Application Program Manual, 44 pages

## GH20-0344

PROJECT MANAGEMENT SYSTEM/360 (360A-CP-04X) VERSION 2 PROGRAM DESCRIPTION AND OPERATIONS MANUAL  
This manual provides a detailed description of the three component parts of PMS/360: the Network Processor, the Cost Processor, and the Report Processor. It provides in detail the format of input required, the methods of calculation followed, and an explanation of the output generated by each processor. It also defines OS/360 Job Control cards required to run the three processors.  
This manual will enable the user to perform critical path analysis as well as PERT and PERT/Cost analyses.  
Application Program Manual, 488 pages

## GH20-0346

SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360 USER'S MANUAL (360A-SE-32X)  
This publication describes the Synchronous Transmit-Receive Access Method for DOS/360. The STR access method provides macro instructions and routines to support STR transmission under program control. The macro instructions are described for the following functions:  
1. Environment definition  
2. Line control  
3. Data transmission  
4. Code conversion  
In addition, the STR error messages are described and a macro instruction summary is given.  
Prerequisites are:  
A basic knowledge of System/360 machine concepts.  
A basic knowledge of DOS/360.  
A knowledge of the principles of STR data transmission.  
Application Program Manual, 36 pages

## GH20-0347

SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360 OPERATOR'S MANUAL (360A-SE-32X)  
This publication describes the operator actions when using the Synchronous Transmit-Receive Access Method for DOS/360. Topics include establishing a data line, error messages, and maintenance.  
Application Program Manual, 8 pages

## GH20-0349

SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360 USER'S MANUAL (360A-SE-33X)  
This publication describes the Synchronous Transmit-Receive Access Method for OS/360. The STR Access Method provides macro instructions and routines to support STR transmission under program control. The macro instructions are described for the following functions:  
1. Environment definition  
2. Line control  
3. Data transmission  
4. Buffer management  
5. Code conversion  
In addition, the STR error messages are described and a macro instruction summary is given. Prerequisites are: a basic knowledge of System/360 machine concepts, a basic knowledge of OS/360, and a knowledge of the principles of STR data transmission.  
Application Program Manual, 58 pages

## GH20-0350

SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360 OPERATOR'S MANUAL (360A-SE-33X)  
This publication describes the operator actions when using the Synchronous Transmit-Receive Access Method for OS/360. Topics include establishing a data line, error messages, and maintenance.  
Application Program Manual, 8 pages









The Information Management System/360 is an Operating System/360 processing program designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual includes a general description of the system and its various facilities and programs, listings of typical and minimum configurations, and a sample application.

Program Product Manual, 41 pages

two sections. Section I is an updated listing of application publications by application or industry. This section also includes any corrections to the bibliography and a list of superseded publications. Section II contains an abstract of each publication not included in the last published bibliography.  
Manual, 24 pages

GH20-0531

MEDIA INDUSTRIES BIBLIOGRAPHY

The purpose of this bibliography and the associated classification system is to list and categorize IBM application publications that are pertinent to media industries. Section I lists these publication by application or industry. Section II contains an abstract of each publication, in form number sequence.

A periodic Bibliography of Application Publications (BAP) Newsletter (GN20-1867) is published to keep the bibliography up to date.

As an aid to the reader, Section III lists promotional publications, Section IV lists field developed programs, and Section V lists installed user programs pertinent to media industries.

A periodic Bibliography of Application Publications (BAP) Newsletter (GN20-1867) is published to keep the bibliography up to date.

Manual, 18 pages

GH20-0525

SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 (360A-DP-07X), PROGRAM DESCRIPTION MANUAL

HYPHENATION/360 provides division of words for text processing applications in which the addition of word syllables to align to meet justification requirements is preferable to forcing the line to end in a complete word. This hyphenation capability is provided in the form of a module that can be linked with a user's System/360 text-processing program or the COMPOSITION/360 component of the IBM System/360 Text Processor.

Through program linkage the HYPHENATION/360 module accepts a word from the user's program and determines the division points. The word, with the division points indicated, is returned to the user's program, where the portion to be retained on the line can be selected on the basis of the user's graphic requirements.

This publication contains processing descriptions, core and disk requirements, timing information, and detailed instructions for the use of the HYPHENATION/360 module and its associated utility programs. A thorough understanding of the CALL, SAVE, and RETURN macros discussed in IBM SYSTEM/360 DOS SUPERVISOR AND INPUT/OUTPUT MACROS (C24 5037) is a prerequisite for reading this publication.  
Application Program Manual, 63 pages

GH20-0526

SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 (360A-DP-07X), OPERATIONS MANUAL

HYPHENATION/360 provides division of words for text processing applications in which the addition of word syllables to a line to meet justification requirements is preferable to forcing the line to end with a complete word. This hyphenation capability is provided in the form of a module that can be linked with a user's System/360 text-processing program or the COMPOSITION/360 module of the IBM System/360 Text Processor.

Through program linkage HYPHENATION/360 accepts a word from the user's program and determines the division points. The word, with the division points indicated, is returned to the user's program, where the portion to be retained on the line can be selected on the basis of the user's graphic requirements.

This publication contains detailed preparatory system procedures; operating instructions, error messages, and restart procedures for the component programs; and programming system and machine requirements.

A knowledge of DOS operating procedures is a prerequisite for reading and using this manual.  
Application Program Manual, 29 pages

GH20-0527

SYSTEM/360 1287 INPUT CONVERSION PROGRAM (360A-DR-07X), PROGRAM DESCRIPTION MANUAL

This program consists of a Transaction Specification Compiler and an Operational Processor. The Compiler provides for the description of the format and processing logic to be applied to documents scanned by the IBM 1287 Optical Reader. The program module created by the Compiler is referenced by the Processor in order to convert the data from the documents to a conversion journal. This manual describes the general program logic, the input and output formats, and provides samples of each.  
Application Program Manual, 42 pages

GH20-0528

SYSTEM/360 1287 INPUT CONVERSION PROGRAM (360A-DR-07X), OPERATIONS MANUAL

The purpose of this manual is to provide the user with the information, instructions, and guidance necessary to:

- Retrieve and prepare the programs for operation
- Prepare to use the system
- Operate the programs in the system

Application Program Manual, 26 pages

GH20-0530

PUBLIC UTILITY INDUSTRIES BIBLIOGRAPHY

The purpose of this bibliography and the associated classification system is to list and categorize IBM application publications that are pertinent to the telephone, and gas and electric industries. Section I lists these publications by application or industry. Section II contains an abstract of each publication, in form number sequence.

A periodic Bibliography of Application Publications (BAP) Newsletter (GN20-1866) is published to keep the bibliography up to date. The newsletter is divided into

GH20-0534

SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) (360A-UH-11X) VERSION 2: OPERATIONS MANUAL

The Shared Hospital Accounting System (SHAS) provides hospital accounting for a multiple-hospital environment. The participating hospitals are connected to the central System/360 facility by teleprocessing terminals. SHAS consists of application programs and a teleprocessing executive. The application programs are patient billing, accounts receivable, and general ledger including accounting for both inpatients and outpatients. This manual refers to the accounts receivable portion of SHAS. References to teleprocessing and other applications have been minimized but still may be present to be consistent with subsequent



GH20-0558

SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE APPLICATION DESCRIPTION MANUAL  
PROGRAM NUMBERS 5736-P71, 5736-P72  
The Array Processing Subroutine Package is a set of subroutines designed to enhance and simplify the use of the IBM 2938 Array Processor, and to provide a series of analytical methods for use in digital signal analysis.  
Application Description Manual, 20 pages

GH20-0559

SYSTEM/360 MATRIX LANGUAGE (MATLAN) (360A-CM-05X) OPERATIONS MANUAL  
This manual provides detailed information to generate a MATLAN system and to run MATLAN programs.  
Application Program Manual, 118 pages

GH20-0560

MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR (MPSRG) (360A-CO-20X) PROGRAM DESCRIPTION MANUAL  
This manual provides the system user with the information required to prepare input data and a report program. It is a basic reference document for any user of MPSRG. All MPSRG procedures are fully explained in this manual.  
Application Program Manual, 56 pages

GH20-0561

MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR (MPSRG) (360A-CO-20X) OPERATIONS MANUAL  
This manual contains complete information regarding the preparatory and operating procedures for the MPS/360 Report Generator.  
Application Program Manual, 30 pages

GH20-0564

SYSTEM/360 MATRIX LANGUAGE (MATLAN) (360A-CM-05X) PROGRAM DESCRIPTION MANUAL  
MATLAN is a programming system, operating under the control of Operating System/360 (OS/360), that is designed to simplify handling of and computation with matrices. This publication describes the MATLAN language in detail and includes description of the statements, programming considerations, and examples.  
Application Program Manual, 220 pages

GH20-0572

SYSTEM/360 DECISION LOGIC TRANSLATOR (360A-CX-32X) PROGRAM DESCRIPTION MANUAL  
The Decision Logic Translator program translates decision tables punched in cards into a FORTRAN source program. The FORTRAN source program is either punched in cards or stored on disk or tape ready for compilation. This manual contains information needed by the reader to understand the functions performed by the Decision Logic Translator. A sample problem shows how to use the decision table language to program an application.  
Program Description Manual, 33 pages

GH20-0573

SYSTEM/360 DECISION LOGIC TRANSLATOR (360A-CX-32X) OPERATIONS MANUAL  
This manual contains information on the preparation and operation of the Decision Logic Translator program. It is designed to translate decision tables (punched into cards in a prespecified format) into a FORTRAN program (stored on disk, on tape, or on cards) ready for compilation. The reader should be familiar with the contents of the following publications:  
IBM DISK OPERATING SYSTEM/360 SYSTEM CONTROL AND SYSTEM Service Programs (GC24-5063)  
IBM SYSTEM/360 DECISION LOGIC TRANSLATOR APPLICATION description manual (GH20-0492)  
IBM SYSTEM/360 DECISION LOGIC TRANSLATOR PROGRAM description manual (GH20-0572) Manual, 20 pages

GH20-0574

SYSTEM/360 GENERALIZED INFORMATION SYSTEM APPLICATION DESCRIPTION MANUAL (5736-CX1)  
This manual surveys the operational concepts and system capabilities of the Generalized Information System (GIS). It provides an introduction to the language of GIS and describes the file organization and processing actions supported by GIS.  
The System/360 Generalized Information System operates under control of the IBM System/360 Operating Systems and uses the "Multiprogramming with a Variable Number of Tasks" (MVT) feature. GIS is designed to operate in a terminal environment using the Queued Telecommunications Access Method and supports a wide variety of applications by providing information handling capabilities against many typical data base organizations. As a system, GIS provides facilities for defining, maintaining and retrieving data from user files under direction of the using installation and its personnel.

GH20-0579

SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360 (360A-DP-08X), OPERATIONS MANUAL  
The COMPOSITION/360 component of the IBM System/360 Text Processor consists of control and functional routines which retrieve text from a user-prepared disk-resident file, justify and format text according to instructions supplied with the text, and produce generalized disk with the text, and produce generalized disk output records. The user must provide routines to retrieve this generalized information, convert it into coding acceptable to the specific composition device on which final printing will occur, and write it to the appropriate systems output device. If word division capabilities are required, COMPOSITION/360 uses the HYPHENATION/360 component of the System/360 Text Processor (360A-DP-07X).

This publication contains detailed preparatory systems procedures; operating instructions, error messages, and restart procedures for the component programs; and programming system and machine requirements.  
A detailed knowledge of DOS operating procedures is a prerequisite for reading and using this manual.  
Application Program Manual, 103 pages

GH20-0582

SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS) (360A-CX-19X) PROGRAM DESCRIPTION MANUAL  
This manual may be used as a reference manual by application programmers who are concerned with the Administrative Terminal System, ATS/360 functioning under the IBM System/360 Operating System (OS) MFT II or MVT. ATS/360 applications consist of control and functional programs that permit, concurrently, the performance of many different text-processing and data-handling activities on separate terminals. This publication describes the principles and techniques of storage and real-time processing control for each of the programs that make up ATS/360, as well as information pertinent to their organization, scope, and planning for system applications and/or modifications to those applications. System generation procedures are described and information regarding storage estimates and system timing is given.  
Application Program Manual, 134 pages

GH20-0583

SYSTEM/360 REQUIREMENTS PLANNING (360A-MF-05X) OPERATIONS MANUAL  
System/360 Requirements Planning consists of two programs, the Requirements Generation Program, which is multi-phase, and the Print Exception Program. It is designed to assist in the implementation of a requirements planning application in manufacturing organizations.  
This manual contains information regarding preparatory and operating procedures for the programs. It includes a complete list of the console messages that can be produced by the programs.  
Operations Manual, 30 pages

GH20-0584

SYSTEM/360 REQUIREMENTS PLANNING (360A-MF-05X) PROGRAM DESCRIPTION MANUAL  
The IBM System/360 Requirements Planning programs are used to generate material requirements for finished products, assemblies, subassemblies, parts, and raw materials on the basis of an input of forecast and/or orders. System/360 Requirements Planning consists of two programs, Requirements Generation Program and Print Exception Program. Requirements Generation performs the generation of requirements utilizing time series planning to do the following: determine gross requirements, determine net requirements, plan orders, determine offset, and post component requirements. Print Exception prints exception notices covering exceptions discovered during the Requirements Generation run.  
This manual includes (1) customizing procedure for generating the System/360 Requirements Planning programs, (2) detail description of the Requirements Generation program, (3) detail description of the Print Exception program, (4) description of all I/O files, and (5) explanation and operating instructions for the sample problem.  
The material in this publication is presented with the assumption that the user has studied the following:

SYSTEM/360 REQUIREMENTS PLANNING, APPLICATION Description (GH20-0487)

SYSTEM/360 BILL OF MATERIAL PROCESSOR (360A-ME-06X) Application Description (GH20-0197)

SYSTEM/360 BILL OF MATERIAL PROCESSOR (360A-ME-06X) Programmer's Manual (GH20-0246)

Program Description Manual, 142 pages

GH20-0585

SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360 (360A-DP-08X), PROGRAM DESCRIPTION MANUAL  
The COMPOSITION/360 component of the IBM System/360 Text Processor consists of control and functional routines which



retrieve text from a user-prepared disk-resident file, justify and format text according to instructions supplied with the text, and produce generalized disk output records. The user must provide routines to retrieve this generalized information, convert it into coding acceptable to the specific composition device on which final printing will occur, and write it to the appropriate systems output device. If word division capabilities are required, COMPOSITION/360 uses the HYPHENATION/360 component of the System/360 Text Processor (360A-DP-07X).

This publication contains an explanation of the format control languages supported, processing and file descriptions, system and machine requirements, timing information, examples, and preinstallation requirements for use of the COMPOSITION/360 module and its associated utility programs. A detailed knowledge of DOS operating procedures is a prerequisite for reading and using this manual.

Application Program Manual, 203 pages

Application Program Manual, 48 pages

GH20-0586

SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (PL/I) (360A-CM-07X) PROGRAM DESCRIPTION AND OPERATIONS MANUAL  
The System/360 Scientific Subroutine Package (SSP) (PL/I) is a collection of mathematical and statistical subroutines (or procedures) written in the PL/I language. It provides the PL/I user with most of the basic capabilities in earlier FORTRAN versions of SSP/360. It also has the same basic characteristics as the FORTRAN versions, in that it consists of input/output-free computational building blocks, written completely in PL/I, which may be combined with a user's input, output, or computational routines as needed. The package may be applied to the solution of many problems in industry, science, and engineering.

This manual contains sufficient information to permit the reader to understand and use all of the subroutines in the Scientific Subroutine Package.  
Application Program Manual, 300 pages

GH20-0587

COURSEWRITER III FOR SYSTEM/360 VERSION 2 APPLICATION DESCRIPTION PROGRAM NUMBER 360A-UX-01X  
This publication describes the Coursewriter III System developed for System/360. Included are comments on the value, range, and capabilities of computer-assisted instruction systems in general, as well as descriptive material relating to the computing equipment and programming systems used by System/360.  
Application Description, 44 pages

GH20-0588

ADVANCED LIFE INFORMATION SYSTEM (DOS): HOME OFFICE INQUIRY PROGRAM, TERMINAL OPERATIONS MANUAL, PROG. NOS. 360A-IL-09X, 5736-N11  
This manual provides terminal operators and department personnel with operating instructions and input/output for home office inquiry use.  
Manual, 48 pages

GH20-0589

SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS) (360A-CX-19X) TERMINAL OPERATIONS MANUAL  
This manual contains procedures for operating the IBM Administrative Terminal System (ATS/360). Operation consists of manipulating the keyboard on the IBM 2741 Communications Terminal to send commands to the computer, entering documents into the system for storage, and printing documents which have been previously stored.  
Procedures are provided for using the terminal to send and receive messages in the form of documents from one terminal location to another, for transferring stored documents onto magnetic tape or punched cards, and for high-speed printing of stored documents at the computer center. Procedures are also included to bring documents into the system that are stored on punched cards and magnetic tape. The procedures are arranged so that the operator can begin with the most basic commands and immediately use the terminal while progressing through the remaining text and examples to understand the operating principles. A summary is included at the end of some sections to provide a quick review.  
Application Program Manual, 130 pages

GH20-0590

SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM - OS (ATS/OS) CONSOLE OPERATIONS MANUAL, PROG. NO. 360A-CX-19X  
This manual contains ATS/360 operating instructions for the computer center (console) operator. The instructions are to be followed when ATS/360 is under control of Operating System/360, MFT II or MVT. The instructions tell the computer center operator how to start up and shut down ATS/360 and how to service the requests from the remote ATS terminals on the system.  
The console operator should be familiar with the contents of the following IBM publications:  
IBM System/360 Principles of Operation (GA22-6821)  
IBM System/360 System Summary (GA22-6810)  
IBM Operating System/360 Introduction (GC28-6534)  
IBM System/360 Operating System Operators Guide (GC28-6540)  
IBM ATS/360 Terminal Operations Manual (GH20-0589)  
IBM ATS/360 Program Description Manual (GH20-0582)

GH20-0591

SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (OS) PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBER 360A-DR-05X  
The Retail IMPACT Staple System is designed to provide the retail industry with an integrated inventory management system for staple departments. This manual describes the individual programs that make up the Staple System, their relationships to one another, and their use in the management of staple merchandise. The document covers the inputs to and outputs from the various programs and explains the various options available to the user.  
Program Description Manual, 695 pages

GH20-0592

SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (DOS) OPERATIONS MANUAL - PROGRAM NUMBER 360A-DR-09X  
The Retail IMPACT Staple System is designed to provide the retail industry with an integrated inventory management system for staple departments. This manual describes the operation of the various programs under DOS/360. Included are: console messages produced by the programs, control card descriptions, information on file requirements, sample job control for running the programs, and information necessary to compile the programs.  
Operations Manual, 83 pages

GH20-0593

SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (OS) OPERATIONS MANUAL, PROG. NO. 360A-DR-05X  
The Retail IMPACT Staple System gives the retail industry an integrated inventory management system for staple departments. This manual describes the operation of the various programs under OS/360. Included are: console messages produced by the programs, control card descriptions, information on file requirements, sample job control for running the programs, and information necessary to compile the programs.  
Operations Manual, 133 pages

GH20-0594

PROBLEM LANGUAGE ANALYZER (PLAN): PROGRAM DESCRIPTION MANUAL  
PROG. NOS. 1130-CX-25X AND 360A-CX-26X, -27X  
This system provides users with application development support in the areas of:  
o User-oriented language processing  
o Dynamic job supervision  
o Diagnostic control and generation  
o Input/output control  
o Utility functions  
A small subset of the PLAN system may be utilized to provide elementary development support. Subsets may be added on an incremental basis as needed until comprehensive use of the system is attained.  
This manual is intended to provide rules for use of the system and technical specifications defining the scope of applicability. It is intended to serve as a user's and implementer's reference. Requirements are specified. Use of all other components is to be considered optional.  
Application Program Manual, 167 pages

GH20-0596

SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (OS) OPERATIONS MANUAL - PROGRAM NUMBER 360A-CX-27X  
This manual is intended to assist users in the implementation and execution of PLAN jobs using OS/360. It includes specifications pertinent to only the System/360 OS version of PLAN. Sections of special interest pertain to debugging, diagnostics, and abnormal termination. This manual should be read before attempting any computer operations.  
Application Program Manual, 84 pages

GH20-0597

SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS) (360A-CX-26X) OPERATIONS MANUAL  
This manual is intended to assist users in the generation and execution of PLAN jobs using DOS/360. PLAN specifications as they pertain specifically to DOS/360 are discussed. A thorough discussion of considerations for using data sets are included. Instructions for processing optional machine readable material are provided.  
Operations Manual, 59 pages

GH20-0598

RIGID FRAME SELECTION PROGRAM (RFSP): APPLICATION DESCRIPTION, PROG. NOS. 1130-EC-09X, 5734-EC1, 5736-EC1  
The Rigid Frame Selection Program (RFSP) provides direct optimal design procedures for rigid frame construction in steel, timber, or concrete. Two- and three-hinged frames may be analyzed and designed using the programs. Cost reduction can be realized in two ways -- material inventory and design.  
Procedures included in the program can be used to design members for different types of structures, using the results of analysis programs provided by the user.  
The program operates under a problem-oriented language supported by the Problem Language Analyzer (PLAN), thus

allowing the user to create his own input language, if he so prefers.

Application Description Manual, 60 pages

describes the system procedures and data formats.  
Application Program Manual, 124 pages

## GH20-0599

SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (DOS)  
PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 360A-DR-09X  
The Retail IMPACT Staple System is designed to provide the retail industry with an integrated inventory management system for staple departments. This manual describes the individual programs that make up the staple system, their relationships to one another, and their use in the management of staple merchandise. The document covers the inputs to and outputs from the various programs and explains the various options available to the user.  
Program Description Manual, 290 pages

## GH20-0603

MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X)  
MESSAGE MANUAL  
This manual contains the messages generated by the procedures and subroutines of the Mathematical Programming System/360.  
Application Program Manual, 168 pages

## GH20-0604

SYSTEM/360 ORDER ALLOCATION SYSTEM  
APPLICATION DESCRIPTION MANUAL - 5736-D41  
The Order Allocation System is designed to assist apparel manufacturers in the task of assigning, or allocating, available inventory to open orders in a manner consistent with management objectives and direction.

Input to the system consists of the user's order and inventory files and the rules to be followed in accomplishing the allocation function. Output from the system consists of picking documents and updated order and inventory files, as well as various listings, reports, and control totals.

Application Description Manual, 26 pages

## SH20-0605

CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD (CICS/OS)  
(5736-U11), PROGRAM DESCRIPTION  
The IBM System/360 Customer Information Control System OS-STANDARD (CICS/OS) is a program modularly constructed and designed to assist customers in the installation of on-line information systems. It functions as an interface program between user-written application programs and the IBM System/360 Operating System (OS/360). Through a series of macro instructions, the control system schedules tasks, loads user programs, and provides linkage to OS/360 access methods. Storage allocation and administrative message handling capabilities are additional features of CICS/OS.

This manual is intended for system analysts and application programmers. It contains descriptions of the basic control system modules and service programs, control system macro instructions, control card preparation, testing procedures and equipment considerations necessary to use CICS/OS. This manual also includes discussion of the separately licensed Language and Terminal Feature. Knowledge of OS/360 will assist the reader in understanding the contents of this manual.

OS-STANDARD (CICS/OS) has been added to the name of this system to distinguish it from the recently announced DOS systems CICS/DOSE and CICS/DOSS. Functional changes have not been made.  
Program Product Manual, 172 pages

## SH20-0606

CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD  
(CICS/OS), (5736-U11) OPERATION MANUAL  
The IBM System/360 Customer Information Control System OS-STANDARD (CICS/OS) is a program modularly constructed and designed to assist customers in the installation of on-line information systems. It functions as an interface program between user-written application programs and the IBM System/360 Operating System (OS/360). Through a series of macro instructions, the control system schedules tasks, loads user programs, and provides linkage to the OS/360 access methods. Storage allocation and administrative message handling capabilities are additional features of CICS/OS.

This manual contains information that will enable the user to generate and incorporate CICS/OS for subsequent execution under control of the IBM System/360 Operating System (OS/360). The manual contains information regarding system maintenance, terminal operation, system generation procedures for the Language and Terminal (L/T) Feature, and executable sample problems.

OS-STANDARD (CICS/OS) has been added to the name of this system to distinguish it from the recently announced DOS systems CICS/DOSE and CICS/DOSS. Functional changes have not been made.  
Manual, 104 pages

## GH20-0607

LINEAR PROGRAMMING SYSTEM/360 (LPS/360) (360A-CO-18X)  
PROGRAM DESCRIPTION MANUAL  
This manual describes how to use Linear Programming System/360. Chapter I is written in tutorial form to present concepts to new users. The rest of the manual

## GH20-0608

COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X)  
STUDENT/MONITOR USER'S GUIDE VERSION 2  
This publication describes the IBM 1050 and 2740 terminals as used with the Coursewriter III System.

The publication contains necessary information for the student and monitor to use the printer-keyboard to receive course material from the computer and to monitor results. Also described are the standard features and operation of the printer-keyboard and the cautions that must be exercised in its use.

Knowledge and experience of other equipment is not assumed nor is Coursewriter Language program experience. The reader's attention is called to the IBM 1050 terminal COURSEWRITER III SYSTEM STUDENT/MONITOR REFERENCE CARD (GX20-1780) as a ready reference tool when working on a terminal. It is also assumed that new students will be given instruction in the physical use of the 1050 and 2740 terminals before they actually begin taking a course.

Detailed operating instructions for the IBM 1050 terminal are described in PROCEDURES FOR TRANSMITTING/RECEIVING MESSAGES BETWEEN AN IBM DATA PROCESSING SYSTEM AND A 1050 DATA COMMUNICATION SYSTEM (GC20-1664) and in the IBM 1050 Operator's Guide (GA24-3125) for the Coursewriter III System monitor.

When a 2740 terminal is being used, the IBM 2740/2741 Communications Terminal - Operator's Guide (GA27-3001) may be referenced for additional information.  
User's Guide, 15 pages

## GH20-0609

COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X) VERSION 2  
AUTHOR'S GUIDE

This publication describes the Coursewriter III System from an author's viewpoint. The Coursewriter III Language and author commands for the Coursewriter III System are presented in detail. Included with the description of each operation code and author command are examples and possible error messages. Conversational sequences between computer and author are included for further assistance. Additional course facilities are also described, and examples of their use are given.

Experience with computers or with Coursewriter III Language is not required to understand the information in this publication. However, new authors should receive instruction in the use of the IBM terminal before preparing course material.

Author's Guide, 42 pages

## GH20-0610

COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X) VERSION 2  
SUPERVISOR'S GUIDE

This publication describes operations to be performed by the Coursewriter III System supervisor. These include:

1. An introductory section describing supervisor operations.
2. Complete descriptions of all supervisor commands including examples and command sequence.
3. IBM terminal line code and extended binary coded decimal interchange code tables interchange with IBM card codes.  
included is extended binary coded decimal interchange with IBM card codes table.

Prior knowledge of normal Disk Operating System/360 and Supervisor's Guide, 39 pages

## GH20-0611

LINEAR PROGRAMMING SYSTEM/360 (LPS/360) (360A-CO-18X)  
OPERATIONS MANUAL

This manual contains operating instructions that will enable the user to prepare and run LPS/360 under the System/360 Disk Operating System.  
Application Program Manual, 28 pages

## SH20-0612

RIGID FRAME SELECTION PROGRAM (RFSP) OPERATIONS MANUAL  
PROGRAM NUMBER 1130-EC-09X 5734-EC1 5736-EC1

This manual contains information regarding preparatory and operating procedures for IBM Rigid Frame Selection Program as applied to the 1130 and System/360.  
Manual, 108 pages

## SH20-0613

RIGID FRAME SELECTION PROGRAM RFSP  
PROGRAM DESCRIPTION MANUAL

PROGRAM NUMBER 5734-EC1 5736-EC1  
This manual must be used in conjunction with IBM 1130 Rigid Frame Selection Program (RFSP), Program Description and Operations Manual (GH20-0580), as updated by Technical Newsletters. The pages in this manual correspond to those that appear in GH20-0580 (the areas of change are highlighted by a vertical rule to the left of the change).

Used as above this manual contains a complete description of RFSP for the program users. A general outline of the application, its components and its organization is followed by detailed instructions for the utilization of the various features of the program. Sample Problems are used for illustration. The appendices describe



sample reports and suggestions as to the kinds of decisions that might be made on the basis of these reports. Attention is given to the requirements for implementing LEMRAS, including staffing, data capture and control, selection of event classes, and geographic coding. Cautions relating to certain limitations of the LEMRAS forecasting techniques are also outlined.

Systems Reference Library Manual, 60 pages

SH20-0630

SYSTEM/360 GENERALIZED INFORMATION SYSTEM  
PROGRAM DESCRIPTION MANUAL VOLUME 1:  
SYSTEM OVERVIEW AND CONTROL (5736-CX1)

The Generalized Information System, abbreviated GIS, consists of an integrated set of programs for System/360 to provide general-purpose information handling. User input statements initiate and direct the system functions of creating, querying, and maintaining formatted data files variously structured. GIS routines are completely coded in the OS/360 Assembler Language and operate under the overall control of OS/360 with MVT.

This manual is presented in three volumes, the first of which describes the GIS monitor program and the capabilities associated with it. Data Description (file definition) facilities and procedure-directing facilities are specified in Volumes 2 and 3, respectively.  
Program Product Manual, 180 pages

SH20-0632

SYSTEM/360 GENERALIZED INFORMATION SYSTEM OPERATIONS MANUAL  
(5736-CX1)

This manual addresses operations personnel intending to run the Generalized Information System under the System/360 Operating System using the option of Multiprogramming with a variable Number of Tasks. Contents include SYSGEN procedures, OS/360 Job Control Language statements already written into the system's monitor program, and diagnostic messages available to the system user.  
Program Product Manual, 196 pages

SH20-0634

INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360  
PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBER 5736-CX3

The Information Management System/360 is an Operating System/360 processing program designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual contains a description of the functions concerned with IMS/360 in a data processing environment and of the system and its facilities provided; a discussion of data base and application program structure and details; and systems and terminal operations interfaces. An appendix includes application program examples in both COBOL and PL/I. An index is included to facilitate the use of the manual.  
Program Product Manual, 201 pages

SH20-0635

INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360:  
OPERATIONS MANUAL, VOLUME I - SYSTEMS OPERATION  
PROGRAM NUMBER 5736-CX3

Information Management System/360 is an Operating System/360 processing program designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This volume of the Operations Manual includes information on IMS/360 system distribution and handling, on planning the IMS/360 system, and on implementing the system. System examples and a sample problem are supplied; a chapter on status codes and completion codes is also included.  
Systems Reference Library Manual, 272 pages

SH20-0636

INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360  
OPERATIONS MANUAL VOLUME II - MACHINE OPERATIONS  
PROGRAM NUMBER 5736-CX3

The Information Management System/360 is an Operating System/360 processing program designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This volume of the Operations Manual supplies detailed information on the relationship of the Machine Operations function to IMS/360.  
Program Product Manual, 136 pages

GH20-0645

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
BATCH EDIT, SYSTEM MANUAL

(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
This manual describes the processing of input cards and the creating of file maintenance transaction items. Appropriate flowcharts, flowchart narratives, input/output formats, table descriptions, and program modification aids are included.  
Program Product Manual, 64 pages

GH20-0646

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
ALIS -- INPUT EDIT, SYSTEM MANUAL

(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
This manual describes processing of transaction items produced by the batch edit program and also describes the creation of external file maintenance transactions. Appropriate flowcharts, flowchart narratives, input/output formats, table descriptions, and program modification aids are included.  
Program Product Manual, 319 pages

GH20-0647

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FREQUENTLY USED RECORD FORMATS, SYSTEM MANUAL

(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
This manual contains the transaction data area formats, the miscellaneous data area formats, and a policy master record format. The transaction data area formats illustrate the output from the input edit program and the input to the file maintenance program. The transaction data area formats illustrate a portion of certain output messages from the file maintenance run. The miscellaneous data area formats illustrate a portion of certain output messages from the file maintenance run. Both the transaction data area formats and miscellaneous data area formats are a part of the input and output for many of the output runs. In the documentation for the output runs, reference is made to the Frequently Used Record Formats volume for illustration of the exact nature of portions of the input or output message.  
Program Product Manual, 80 pages

GH20-0648

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
MISCELLANEOUS VOLUME, SYSTEM MANUAL

(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
This manual contains sections on customer constants, customer tables, file maintenance account numbers and customer account strips, file maintenance message codes, transaction codes, and file maintenance work areas. The information in this manual is referenced by many system manuals, although the file maintenance system manuals refer to the data in this volume most frequently.  
Program Product Manual, 236 pages

GH20-0649

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE RUN EXECUTIVE, SYSTEM MANUAL

(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
This manual describes the processing of file maintenance transactions created by the input edit program and of file maintenance transactions scheduled as a function of time. The creation of file maintenance messages, updated policy master records, and restart records is also described. Appropriate flowcharts, flowchart narratives, input/output formats, and work areas are included.  
Program Product Manual, 72 pages

GH20-0650

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
DATA CELL REORGANIZATION PROGRAM, POLICY MASTER RECORD MERGE

PROGRAM, DATA CELL RECONSTRUCTION PROGRAM, AND DATA CELL  
RESTORE PROGRAM, SYSTEMS MANUAL  
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11  
This manual is in four sections. Section 1 describes the data cell reorganization program; Section 2 describes the policy master record merge program; Section 3 describes the data cell reconstruction program; and Section 4 describes the data cell restore program. Appropriate flowcharts, narratives, input/output formats, and program modification aids are included.  
Program Product Manual, 68 pages

GH20-0651

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
ALIS -- FILE MAINTENANCE INCLUDE (R) ROUTINES (NARRATIVES),

SYSTEM MANUAL - PROGRAM NUMBERS 360A-IL-09X AND 5736-N11  
This manual includes a general description of each file maintenance include routine. This manual should be used with the FILE MAINTENANCE INCLUDE (R) ROUTINES (FLOWCHARTS) SYSTEM MANUAL to obtain a more detailed understanding of the processing in each include routine.  
Program Product Manual, 488 pages

GH20-0652

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE INCLUDE (R) ROUTINES (FLOWCHARTS),

SYSTEM MANUAL

(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
This manual contains a flowchart for each file maintenance include routine. This manual should be used with the FILE MAINTENANCE INCLUDE (R) ROUTINES (NARRATIVES) SYSTEM MANUAL to obtain a detailed understanding of the processing in each include routine.  
Program Product Manual, 813 pages

GH20-0653

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE CALL (S) ROUTINES (NARRATIVES),  
SYSTEM MANUAL  
PROGRAM NUMBERS 360A-IL-09X, 5736-N11  
This manual includes a general description of each file maintenance call routine. This manual should be used with the FILE MAINTENANCE CALL (S) ROUTINES (FLOWCHARTS) SYSTEM MANUAL to obtain a detailed understanding of the processing in each call routine.  
Program Product Manual, 598 pages

GH20-0654

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE CALL ROUTINES (S) (FLOWCHARTS),  
SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
This manual contains a flowchart for each file maintenance call routine. This manual should be used with the FILE MAINTENANCE CALL ROUTINES (S) (NARRATIVES) to obtain a detailed understanding of the processing in each call routine.  
Program Product Manual, 598 pages

GH20-0655

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE ISSUES, ADDITIONS, COMPLEX CHANGES, AND  
TERMINATIONS TRANSACTIONS, SYSTEM MANUAL  
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11  
This manual describes the processing for issues, additions, complex changes, and terminations in the file maintenance program. A program abstract, narratives, and flowcharts are included.  
Program Product Manual, 37 pages

GH20-0656

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE SIMPLE CHANGES TRANSACTIONS, SYSTEM MANUAL  
PROGRAM NUMBERS 5736-N11 AND 360A-IL-09X  
This manual describes the external file maintenance transactions that add, delete, or replace individual policy master record fields and/or trailers. A program abstract, narratives, and flowcharts are included.  
Program Product Manual, 129 pages

GH20-0657

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE 36XX FINANCIAL TRANSACTIONS - PAYMENTS,  
SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
This manual describes financial processing for all payment transactions in the file maintenance program. A program abstract, narratives, and flowcharts are included.  
Program Product Manual, 56 pages

GH20-0658

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE FINANCIAL TRANSACTIONS ACCOUNTING ENTRIES,  
SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
This manual describes financial processing for all accounting adjustment transactions in the file maintenance program. A program abstract, narratives, and flowcharts are included.  
Program Product Manual, 82 pages

GH20-0659

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE STATUS TRANSACTIONS - PROCESS AND QUOTE  
TERMINATIONS, SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
This manual describes processing in the file maintenance program for executing termination status transactions on a process (action) and a quote basis. A program abstract, narratives, and flowcharts are included.  
Program Product Manual, 19 pages

GH20-0660

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE STATUS TRANSACTIONS - PROCESS AND QUOTE  
MISCELLANEOUS, LOAN VALUES, AND PARTICIPATION VALUES,  
SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
This manual describes file maintenance program processing for miscellaneous, loan value, and participation value status transactions on a process (action) and a quote basis. A program abstract, narratives, and flowcharts are included.  
Program Product Manual, 212 pages

GH20-0661

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE BILLING TRANSACTIONS SYSTEM MANUAL  
(PROGRAM NUMBER: VERSION 1-360A-IL-09X VERSION 2 - 5736-N11)  
This manual provides detailed information to help the user understand the billing processing in the file maintenance program. It describes processing for the internal transaction billing (normal billing), catch-up billing, externally generated billing (billing request transaction billing), and special frequency billing. A program abstract, narratives, and flowcharts are provided.  
Program Product Manual, 68 pages

GH20-0662

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE PREMIUM DUE, OVERDUE, AND ANNIVERSARY  
PROCESSING TRANSACTIONS, SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
This manual describes processing in the file maintenance program for premium due, overdue, and anniversary processing activity. A program abstract, narratives, and flowcharts are included.  
Program Product Manual, 39 pages

GH20-0663

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE RATE FILE EXTRACT AND ANNIVERSARY EXTRACT  
UPDATE TRANSACTIONS, SYSTEM MANUAL  
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11  
This manual describes the processing in the file maintenance program required to create the rate file extracts and to perform the anniversary extract updating. A program abstract, narratives, and flowcharts are included.  
Program Product Manual, 17 pages

GH20-0664

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
FILE MAINTENANCE CONTRACTUAL CHANGES AND NOTIFICATIONS,  
SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
This manual describes the internal processing in the file maintenance program based on the annual activity date and the contractual change activity date in the policy information section of the policy master record. A program abstract, narratives, and flowcharts are included.  
Program Product Manual, 66 pages

GH20-0665

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
OUTPUT ANALYSIS, SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
This manual describes the processing of message output from the file maintenance run. Appropriate flowcharts, flowchart narratives, input/output formats, program modification aids, and table descriptions are included. The input/output formats and descriptions are to be used as an explanation of the file maintenance output in addition to their use in describing the input and output from the output analysis program.  
Program Product Manual, 149 pages

GH20-0666

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
TRANSACTION REGISTER, SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
This manual describes processing of transaction register extracts and error register extracts produced by the output analysis program and also describes the creation of transaction register reports. Appropriate flowcharts, flowchart narratives, input/output formats, table descriptions, and program modification aids are included.  
Program Product Manual, 45 pages

GH20-0667

ADVANCED LIFE INFORMATION SYSTEM STATUS PRINT, SYSTEM MANUAL  
(PROGRAM NUMBER: VERSION 1-360A-IL-09X VERSION 2 - 5736-N11)  
This manual describes processing of status report extracts produced by the output analysis program and the creation of printed status reports. Appropriate flowcharts, flowchart narratives, input/output formats, table descriptions, and program modification aids are included.  
Program Product Manual, 105 pages

GH20-0668

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
POLICY ACCOUNTING JOURNAL, SYSTEM MANUAL  
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11  
This manual describes the processing of accounting records and the printing of the policy accounting journal. Appropriate flowcharts, flowchart narratives, input/output formats, and table descriptions are included.  
Program Product Manual, 17 pages

GH20-0669

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
ACCOUNTING CONTROL, SYSTEM MANUAL  
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11  
This manual describes the updating of the accounting control file and the printing of the accounting control register.

Appropriate flowcharts, flowchart narratives, input/output formats, table descriptions, and program modification aids are included.  
 Program Product Manual, 13 pages

## GH20-0670

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
 ERROR REGISTER, SYSTEM MANUAL  
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11  
 This manual describes the processing of error register messages and the printing of the error register.  
 Appropriate flowcharts, flowchart narratives, input/output formats, and table descriptions are included.  
 Program Product Manual, 27 pages

provides the convenience of automatic data retrieval from the master data bank whenever a simulation study is to be run. In order to study the steady-state and transient operational characteristics of present and projected interconnected power networks three digital simulation programs are provided. These are -- Power Flow, Short Circuit, and Transient Stability.

This manual is designed for use by operations personnel responsible for setting up and executing the PSP program. The manual provides the specifications and necessary information for retrieving data from distributed machine-readable material (MRM) and cataloging the program in the user's library. Use of this manual requires an operating knowledge of the IBM System/360 Operating System (OS/360) job control language and operating procedures.  
 Program Product Documentation, 64 pages

## GH20-0671

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
 RATE FILE, SYSTEM MANUAL  
PROGRAM NUMBERS 360A-IL-09X AND 5736-N11  
 This manual describes processing for rate file extracts, the use of the rate file, and the creation of the output extract for updating the policy master record file.  
 Appropriate flowcharts, flowchart narratives, input/output formats, and program modification aids are included.  
 Program Product Manual, 28 pages

## SH20-0677

PROJECT MANAGEMENT SYSTEM/360 VERSION 3 PROGRAM  
 DESCRIPTION AND OPERATIONS MANUAL  
PROGRAM NUMBER 5734-XP1  
 This manual provides a detailed description of the four component parts of PMS/360: the Network Processor, the Resource Allocation Processor, the Cost Processor, and the Report Processor. It provides in detail the format of input required, the methods of calculation followed, and an explanation of the output generated by each processor. It also defines OS/360 Job Control cards required to run the three processors. This manual will enable the user to perform critical path analysis as well as PERT and PERT/COST analyses.

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 Program Product Manual, 592 pages

## GH20-0672

ADVANCED LIFE INFORMATION SYSTEM (DOS)  
 HOME OFFICE INQUIRY PROGRAM SYSTEM MANUAL  
(PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)  
 This manual provides detailed information to help the user understand the home office inquiry program. A program abstract, narratives, flowcharts, core storage map, and program modification aids are provided.  
 Manual, 57 pages

## GH20-0678

GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD)  
 PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XX2  
 Graphic Analysis of Three-Dimensional Data (GATD) is an application system built around the IBM 2250 Display Unit, which permits online analysis of data in three-dimensional arrays. GATD operates in conjunction with OS/360, PLAN (Problem Language Analyzer), and PGS (PLAN Graphic Support).  
 This manual contains a general description of the GATD system, an example of system usage, detailed information on preparation of user data for GATD processing, and GATD file descriptions. It also contains, for each function performed by the GATD system, a description of the function, restrictions and range, and a description of all displays and programs used to implement the function.  
 Manual, 120 pages

## GH20-0673

CALL/360-OS SYSTEM DESCRIPTION MANUAL,  
 PROGRAM NUMBER 360A-CX-42X  
 This manual is intended primarily to define the scope of applicability of CALL/360-OS for customer executives, system analysts, and programmers. It describes the facilities of CALL/360-OS and includes a general discussion of the CALL/360-OS system configuration, terminal processing, system structure and control, system support and maintenance facilities, and an introduction to the language processors supported. The terminal command language is summarized for the user.  
 CALL/360-OS is a terminal-oriented, time-sharing system designed to operate as a problem program under either the IBM System/360 Operating System (OS/360) Multiprogramming with a Fixed Number of Tasks (MFT) or Multiprogramming with a Variable Number of Tasks (MVT) control program. The Model 65 Multiprocessing System (M65MP) is not supported.  
 CALL/360-OS provides a personal computing facility designed to handle a high volume of traffic in a problem-solving environment. The system is designed to satisfy the needs of the professional programmer as well as the individual with no programming experience. It provides remote terminal services for CALL/360-OS BASIC, CALL/360-OS FORTRAN, and CALL/360-OS PL/I users.  
 Application Program Manual, 36 pages

## SH20-0679

GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD)  
 OPERATIONS MANUAL - PROGRAM NUMBER 5734-XX2  
 Graphic Analysis of Three-Dimensional Data (GATD) is an IBM 2250-oriented application program which operates under OS/360 and uses facilities of the Problem Language Analyzer (PLAN) and PLAN Graphics Support (PGS) packages.  
 This manual describes the Job Control Language and PLAN statements required to retrieve machine-readable material from the distributed tape, perform all one-time initialization functions, and execute a sample problem. It also describes modifications to Job Control Language and PLAN statements for subsequent runs involving addition of user programs to the library, addition of user panels, access to user input and output data files, and saving and restoring data generated by the GATD programs. Included are all considerations necessary to display the main GATD control panel on an IBM 2250 Display Unit. All subsequent considerations involved in using the system, including error messages displayed and associated error recovery procedures, are included in the Terminal Operations Manual.  
 Manual, 30 pages

## SH20-0675

SYSTEM/360 POWER SYSTEM PLANNING FOR THE ELECTRIC  
 UTILITY INDUSTRY (OS) (5736-U12)  
 The Power System Planning (PSP) Program Product package is designed specifically for the IBM System/360. The package uses disk storage to provide the capability of establishing a master data bank of repetitively-used engineering data which describes an electrical network. The package further provides the convenience of automatic data retrieval from the master data bank whenever a simulation program is to be run. In order to study the steady-state and transient operational characteristics of present and projected interconnected power networks, three digital simulation programs are included in the package -- Power Flow, Short Circuit, and Transient Stability.  
 This manual is designed for use by those in the system planning group who are responsible for preparing data, for initiating the PSP components, and for analyzing the results of the PSP component runs. The purpose of this manual is to provide the user with an understanding of the program necessary to implement the application. Included are descriptions of the PSP components, input/output descriptions, timing information, a sample problem, program modification aids, error messages, and the information necessary to install the package and to initiate a simulation study.  
 Program Product Documentation, 318 pages

## SH20-0680

GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD)  
 TERMINAL OPERATIONS MANUAL  
 This manual is written for the IBM 2250 console operator and describes how the light pen is used to control the GATD system.  
 Manual, 64 pages

## GH20-0689

APL/360 PRIMER, STUDENT TEXT  
 This primer provides an introduction to the APL/360 system and to the APL programming language. It discusses the mechanics of using the system, and shows how to write representative programs for a variety of applications. The treatment is elementary, and for a discussion of advanced system features and available operations, refer to the APL/360 User's Manual.  
 Course Manual

## SH20-0676

SYSTEM/360 POWER SYSTEM PLANNING FOR THE ELECTRIC  
 UTILITY INDUSTRY (OS) (5736-U12), OPERATIONS MANUAL  
 The Power System Planning (PSP) Program Product is designed specifically for the IBM System/360. The program uses disk storage to provide the capability of establishing a master data bank of repetitively-used engineering data which describes an electrical network. The program further

## GH20-0690

PROJECT MANAGEMENT SYSTEM/360 VERSION 3 APPLICATION  
 DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XP1  
 PMS/360 is a highly modular set of computer program routines, each performing one function common to many management applications. It is open-ended - that is, the number of functions under PMS/360 can be expanded and added to. It is versatile - that is, the user can control program

logic without resorting to reprogramming. Output reports can be defined with a single set of procedural statements and can be revised with every computer run if required. The computer code itself is written in a way that simplifies modification, if this ever becomes necessary. Program product manual, 44 pages

## GH20-0691

GENERAL PURPOSE SIMULATION SYSTEM/360 (OS AND DOS) VERSION 2 APPLICATION DESCRIPTION, PROG. NOS. 5734-XS1 AND 5736-XS1  
This manual discusses the role of GPSS in system simulation, briefly describes the operation of the GPSS program, and points out its application scope. A final section describes the major functions, capabilities, and system requirements of GPSS/360 Version 2.  
Program Product Manual, 16 pages

## SH20-0692

GENERAL PURPOSE SIMULATION SYSTEM/360 OS VERSION 2 OPERATOR'S MANUAL - PROGRAM NUMBER 5734-XS1  
This publication contains information that will enable the user to link-edit and incorporate the GPSS/360 program into a system for subsequent execution under the control of OS/360. Detailed examples are given for editing the GPSS/360 program into a private JOBLIB or the OS/360 JCL cards required to execute models that use various features provided by GPSS/360. It also describes a method (REALLOCATION) whereby the user can reallocate the quantity of GPSS/360 entities and effectively use all available core storage. The various data sets required by GPSS/360 are also listed and described.  
This manual explains in detail three extended features of GPSS/360. It also includes specifications and considerations for use of the Run Length feature and the LOAD feature, as well as examples of independently compiled user-written FORTRAN routines used in conjunction with GPSS/360.  
Program Product Manual, 60 pages

## SH20-0693

GENERAL PURPOSE SIMULATION SYSTEM/360 OS AND DOS VERSION 2 INTRODUCTORY USER'S MANUAL, PROG. NOS. 5734-XS1 AND 5736-XS1  
This publication provides a basic introduction to the use of the General Purpose System/360 (GPSS/360). It is written for those individuals who have not had previous simulation experience.  
Examples are given throughout the manual to emphasize the basic features of the GPSS/360 program. A complete and detailed description of all the GPSS/360 features may be found in the GPSS/360 User's Manual (h20-0694). Readers are advised to obtain a copy of the User's Manual when they begin to write more sophisticated models.  
The information presented in this manual should enable most readers to apply the program intelligently within a short period of time.  
Program Product Manual, 84 pages

## SH20-0694

GENERAL PURPOSE SIMULATION SYSTEM/360 OS AND DOS VERSION 2 USER'S MANUAL  
PROGRAM NUMBERS 5734-XS1 AND 5736-XS1  
This publication, an extension and amplification of the GPSS/360 Introductory User's Manual, provides a detailed description and explanation of the component parts and operation of the GPSS/360 program. Examples illustrating the uses of GPSS/360 are given in appropriate sections of the manual. This manual should enable the reader to construct and simulate models using the full capabilities of GPSS/360.  
Program Product Manual, 250 pages

## SH20-0695

LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMRRAS) PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBER 5736-G21  
The System/360 Law Enforcement Manpower Resource Allocation System (LEMRRAS) can assist police departments in the planning and evaluation of patrol manpower use through the application of scientific management techniques to maintain and analyze information relating to called-for-service activity, over user-defined geographic areas and time periods. The forecasted activity may, upon user request, be analyzed to derive information on the number of patrol units required to answer the calls. Lemrass-prepared information may also be combined with other data to help derive total manpower requirements.  
The purpose of this manual is to present detailed information on the operation and use of LEMRRAS. The basic functions described are preparation and the user support of an operational system.  
Program Description manual, 422 pages

## SH20-0696

LAW ENFORCEMENT RESOURCE ALLOCATION SYSTEM (LEMRRAS) OPERATIONS MANUAL (5736-G21)  
The System/360 Law Enforcement Manpower Allocation System (LEMRRAS) is a system which can assist police departments in the planning and evaluation of patrol manpower. Applying scientific management techniques to maintain and analyze information relating to called-for-service activity, LEMRRAS forecasts average future activity over used-defined

geographic areas and time periods. The forecasted activity may, upon user request, be analyzed to derive information on the number of patrol units required to answer the calls. LEMRRAS prepared information may also be combined with other data to help derive total manpower requirements.

This manual presents program execution information, a description of all console and printer messages, and examples showing control card sequence for each LEMRRAS phase.  
Manual, 100 pages

## GH20-0697

MEDICAL INFORMATION SYSTEM PROGRAMS (MISP) PROGRAMMER'S MANUAL - PROGRAM NUMBER 360A-UH-08L  
The purpose of this manual is to describe how to use the Medical Information System Programs and facilities. A description of each interface to the executive program, each library routine, system symbols, and parameters for system definition are included. In addition, there is a series of steps outlined for guidance in construction of application programs using the MISP facilities.  
Manual, 140 pages

## SH20-0698

GENERAL PURPOSE SIMULATION SYSTEM/360 DOS VERSION 2 OPERATION MANUAL - PROGRAM NUMBER 5736-XS1  
This publication contains information that will enable the user to link-edit and incorporate the GPSS/360 program into a system for subsequent execution under the control of DOS/360.  
A method (REALLOCATION) whereby the user can reallocate the quantity of GPSS/360 entities and effectively use all available core storage is described and illustrated. The various data sets required by GPSS/360 are also listed and described.  
Three extended features of GPSS/360 are explained in detail in this publication. Specifications and considerations for use of the Run Length feature, the LOAD feature, and examples of independently compiled user-written FORTRAN routines used in conjunction with GPSS/360 are also included.  
Manual, 68 pages

## GH20-0699

CALL-OS BASIC LANGUAGE REFERENCE MANUAL - PROGRAM NUMBER 360A-CX-44X  
CALL-OS is a system designed to operate under the IBM Operating System (OS). It provides the facility (tool) of personal computing for a user at a remote terminal. CALL-OS is applicable for a wide range of users, both persons with little or no computer experience and experienced programmers. It consists of a terminal command language, plus language processors. CALL-OS emphasizes problem solution at the convenience of the terminal user. Thus, a terminal user will be provided with rapid turnaround, ease of use, and general availability of computer resources.  
One of the programming languages available to CALL-OS terminal users is CALL-OS BASIC. This manual provides a description of the features available in the CALL-OS BASIC language which is an extension of the BASIC language as originally developed, providing additional capabilities for the terminal user.  
Manual, 96 pages

## GH20-0700

CALL/360-OS PL/I LANGUAGE REFERENCE MANUAL  
CALL/360-OS is a system designed to operate under Operating System/360 (OS/360). It provides the facility (tool) of personal computing for a user at a remote terminal. CALL/360-OS is applicable for a wide range of users--persons with little or no computer experience as well as experienced programmers. It consists of a Terminal Command Language, plus Language processors. CALL/360-OS emphasizes problem solution at the convenience of the terminal user. Thus a terminal user will be provided with rapid turnaround, ease of use, and general availability of computer resources.  
This manual provides a description of the features available in the CALL/360-OS PL/I language. CALL/360-OS PL/I is designed to meet the needs of the terminal user.  
Application Program Manual, 174 pages

## GH20-0709

SHARED LABORATORY INFORMATION SYSTEM (SLIS) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-H12  
The IBM Shared Laboratory Information System (SLIS) provides data processing support for hospital clinical laboratories. Operating under the Shared Hospital Accounting System (SHAS) executive, the programs handle batched input of laboratory requisitions and test results, producing laboratory reports for use throughout the hospital.  
The program design allows tailoring of formats and procedures to meet the separate needs of several hospitals sharing a common computer. Input and output of the system may optionally use the SHAS teleprocessing executive, allowing remote data entry and report production. The laboratory application programs complement the SHAS accounting applications through the use of a common admission procedure and automatic charge generation.  
This publication describes the features of the IBM Shared Laboratory Information System and is designed to give the reader an overall knowledge of the system without reference to program detail.

Manual, 36 pages

## GH20-0710

CALL-OS FORTRAN LANGUAGE REFERENCE MANUAL  
CALL-OS is a system designed to operate under IBM's Operating System/Virtual Storage (OS/VS). It provides the facility (tool) of personal computing for a user at a remote terminal. CALL-OS is applicable for a wide range of users--persons with little or no computer experience as well as experienced programmers. It consists of a terminal command language plus language processors. This manual provides a description of the features available with CALL-OS FORTRAN, for terminal users.  
Manual

## SH20-0711

SYSTEM/360 TEXT PROCESSOR - EDIT/360 OPERATIONS MANUAL  
PROGRAM NUMBER 5736-K11  
The EDIT/360 component of the IBM System/360 Text Processor consists of control and functional routines which retrieve input from a user-prepared disk-resident file. Input consists of textual material, text-formatting commands, and output requests. After the output text has been proofread, alterations can be made to stored textual data through the use of text modification commands without reentering the original text input. Completely justified and corrected text is written as generalized disk records. The user must provide routines to retrieve this generalized information, convert it into coding acceptable to the specific composition device. If word division capabilities are required EDIT/360 uses the HYPHENATION/360 component

of the System/360 Text Processor (360A-DP-07X).

This publication contains detailed preparatory systems procedures; operating instructions, error messages, and restart procedures for the component programs; and programming system and machine requirements.

A detailed knowledge of DOS operating procedures is a prerequisite for reading and using this manual.  
Manual, 140 pages

## SH20-0712

SYSTEM/360 TEXT PROCESSOR - EDIT/360  
PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBER 5736-K11  
The EDIT/360 component of the IBM System/360 Text Processor consists of control and functional routines which retrieve input from a user-prepared disk-resident file. Input consists of textual material, text-formatting commands, and output requests. After the output text has been proofread, alterations can be made to stored textual data through the use of text modification commands without reentering the original text input. Completely justified and corrected text is written as generalized disk records. The user must provide routines to retrieve this generalized information, convert it into coding acceptable to the specific composition device on which final printing will occur, and write it to the appropriate systems output device. If word division capabilities are required, EDIT/360 uses the HYPHENATION/360 component of the System/360 Text Processor (360-DP-07X).

This publication contains an explanation of the composition control languages supported, processing and file descriptions, system and examples, and preinstallation requirements for use of the EDIT/360 module and its associated utility programs. A detailed knowledge of DOS operating procedures is a prerequisite for reading and using this manual.  
Manual, 318 pages

## GH20-0719

360 DOS POWER II APPLICATION DESCRIPTION MANUAL  
PROGRAM NUMBER 360D-05.2.006  
This is a general introduction to POWER II (Priority Output Writers, Execution Processors, and Input Readers), an automatic SPOOLing processor and priority scheduler for normal batch processing under DOS. POWER II operates under DOS, providing significant improvement in system throughput, and many additional functions. It is a Type III Class A Program.  
Application Program Manual, 28 pages

## GH20-0720

COURSEWRITER III FOR SYSTEM/360 VERSION 2 OPERATOR'S GUIDE  
PROGRAM NUMBER 360A-UX-01X  
This publication describes operations to be performed by the Coursewriter III System console operator. These include:

- o A brief section on system components with a sample machine configuration.
- o A detailed step-by-step procedure to prepare the Coursewriter III, Version 2, system.
- o IBM terminal line code and EBCDIC tables.

Prior knowledge of Disk Operating System/360 and Basic Telecommunications Access Method operating procedures is assumed.  
Manual, 35 pages

## GH20-0721

SYSTEM/360 CONSUMER GOODS SYSTEM (COGS)  
ALLOCATION (DOS) (OS) APPLICATION DESCRIPTION MANUAL  
PROGRAM NUMBERS (DOS) 5736-D31, (OS) 5734-D32

This manual describes the techniques of service point and variable interval allocation as they apply to the distribution function of the consumer goods industry. Consumer Goods System (COGS) - Allocation handles allocation of finished products to warehouses or distribution centers on the basis of forecast usage, current stock status, shipping restrictions, and management's policy for service and inventory. COGS - Allocation also provides a means of simulating the distribution process for up to one year.

The audience for this manual includes executives, system analysts, and programmers. The manual provides an overview of the application with information for the prospective customer to use in determining applicability and begin planning for implementation of the program. Included in the manual are a general description of the program, common elements of the push and pull policies, elements unique to a pull policy, elements unique to a push policy, user responsibilities, system considerations, and input/output formats.  
Application Description Manual, 52 pages

## GH20-0722

SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING (DOS)  
(OS) - APPLICATION DESCRIPTION MANUAL - PROGRAM NUMBER  
DOS 5736-D32, OS 5734-D33  
COGS-Forecasting is a general purpose forecasting system applicable to the distribution, manufacturing, and process industries.

This manual provides an overview of the forecasting application and an introduction to COGS-Forecasting. Major topics include forecasting concepts, the techniques used by COGS-Forecasting, a description of the operation of the system, and preliminary installation planning.

The audience for this manual includes executives, inventory control personnel, systems analysts, programmers, and all others who require an introduction to the system. There are no prerequisites to this manual. However, an understanding of this manual is a prerequisite to the use of COGS-Forecasting Program Description Manual (SH20-0804), COGS-Forecasting Operations Manual (SH20-0803), COGS-Forecasting System Manual (LY20-0621), Licensed Material.  
Manual, 42 pages

## GH20-0723

DATA/360-DOS APPLICATION DESCRIPTION MANUAL  
PROGRAM NUMBER 5736-XS2  
This describes DATA/360, a teleprocessing program written in Assembler Language to operate under the Disk Operating System (DOS). The purpose is to provide a method of entering data by means of 24 local 2260 Display Station Model 2 terminals to a 2314 Direct Access Storage Facility and of verifying this data to produce input to a user's program, bypassing all unit record operations.  
Program Product Manual, 24 pages

## SH20-0726

SYSTEM/360 ORDER ALLOCATION SYSTEM  
PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBER 5736-D41  
The Order Allocation System is designed to assist apparel manufacturers in allocating available inventory to open orders in a manner consistent with management objectives and direction.  
Input to the system consists of the user's order and inventory files and the rules to be followed in performing the allocation function. Output from the system consists of picking documents and updated order and inventory files, as well as various listings, reports, and control totals.  
This manual describes the programs in the system and provides guidance for the installation and use of the Order Allocation System. The reader should be familiar with the Application Description Manual for the Order Allocation System (GH20-0604).  
Program Description Manual, 221 pages

## SH20-0728

ORDER ALLOCATION SYSTEM OPERATIONS MANUAL  
PROGRAM NUMBER 5736-D41  
The Order Allocation System assists apparel and shoe manufacturers in allocating and shipping stock to customers. This manual describes the operating procedures and job control cards required for retrieving programs from the distribution tape, preparing the system, operating the system, and running the sample problem.  
Operations Manual, 60 pages

## GH20-0730

TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) AND TRAFFIC PROFILE  
ANALYSIS SYSTEM (POINT-TO-POINT TARIFF ITEM SELECTION):  
APPLICATION DESCRIPTION MANUAL, PROG. NOS. 5736-T21, -T22  
The Tariff Publishing System is a computer program designed to assist the tariff publishing agent in supplementing, reissuing, and distributing bound tariffs. The principal outputs of the system are magnetic tapes for distribution and camera-ready tariff material for reproduction. These magnetic tape tariffs may be used by shippers and carriers for computerized analysis.

The Traffic Profile Analysis System provides a computerized means of specifying and selecting point-to-point tariff matter based on a user's interest profile. The interest profile identifies the commodities a tariff user ships, the carriers via which freight may be



transported, and the points which are of interest to the user. The Tariff Publishing System is a prerequisite for the use of the Traffic Profile Analysis System.

The graphics, codes, and formats for entry and display of tariff matter have been standardized to improve the operating efficiency of the Tariff Publishing System and the consistency and readability of the tariff for users. The standards meet the requirements published in Interstate Commerce Commission circulars and, in addition, follow the best of today's tariff publishing practices.

The Tariff Publishing System and the Traffic Profile Analysis System use IBM System/360 Disk Operating System.

The audience for this manual includes executives, system analysts, and programmers. The manual provides the potential user with information necessary to begin planning for the installation of these programs.

This manual provides a general description of the Tariff Publishing System and the Traffic Profile Analysis System and describes the extent of coverage of the programs, highlights the advantages that may be realized through their use, and provides preliminary planning information for users.

Program Product Manual, 48 pages

## GH20-0735

COURSEWRITER III FOR SYSTEM/360 (OS AND DOS) VERSION 2 APPLICATION DESCRIPTION MANUAL - PROG. NOS. 5734-E12, 360A-UX-01X

This publication describes the Coursewriter III System developed for System/360. Included are comments on the value, range, and capabilities of computer-assisted instruction systems in general, as well as descriptive material relating to the computing equipment and programming systems used by System/360.

Manual, 54 pages

## SH20-0736

SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM/360 GENERALIZED INFORMATION SYSTEM PROGRAM DESCRIPTION MANUAL VOLUME III: PROCEDURAL LANGUAGE PROGRAM NUMBER 5736-CX1

This manual describes procedural language facilities for specifying file-processing tasks to be performed by the program product--short title GIS and GIS(BASIC)--under the overall control of the System/360 Operating System.

Procedural language statements provide for interrogating, modifying, and updating data files previously defined by means of the GIS data description language. Input statements use English keywords and extension words, and common arithmetic symbols, to express the system user's procedural logic.

All elements of the procedural language, and all task statement formats are identical for both GIS and GIS (Basic). Examples and appendix entries show how procedural language elements combine to form statements, and how the statements appear in a task specification.

Program Product Manual, 288 pages

## GH20-0737

IBM SYSTEM/360 DOS POWER II PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER 360D-05.2.006

POWER II (PRIORITY Output Writers, Execution Processors, and Input Readers) is an automatic SPOOLING processor and priority scheduler for normal batch processing under IBM System/360 Disk Operating System. This manual describes the general concepts and facilities of POWER II. It includes operational and functional characteristics, installation procedures, and maintenance and performance guidelines.

Operations Manual, 120 pages

## GH20-0743

IBM SYSTEM/360 DOS POWER II REMOTE JOB ENTRY PROGRAM APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 360D-05.2.006

IBM System/360 POWER II Remote Job Entry (POWER II/RJE) offers the ability to submit jobs via remote IBM 2780 Data Transmission Terminals for normal batch processing under DOS. This document presents the general concepts and facilities of RJE. Knowledge of IBM System/360 POWER II is a prerequisite to understanding POWER II/RJE.

Application Description Manual, 24 pages

## SH20-0744

COURSEWRITER III FOR SYSTEM/360 (OS) VERSION 2 OPERATOR'S GUIDE PROGRAM NUMBER 5734-E12

This publication describes operations to be performed by the Coursewriter III System console operator. These include:

1. A brief section on system components with a sample machine configuration.
2. A detailed step-by-step procedure to prepare the Coursewriter III, Version 2, System.
3. IBM terminal line code and EBCDIC tables.

Prior knowledge of Operating System/360 and Basic Telecommunications Access Method operating procedures is assumed.

Operator's Guide, 36 pages

## GH20-0745

SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM APPLICATION DESCRIPTION MANUAL (PROGRAM NO. 5734-XX8)

OS LEARN Administrative Terminal System is designed to help ATS/OS installations teach their terminal operators to use the System/360 Administrative Terminal System. It consists of new and replacement macros and application programs to be incorporated into the existing ATS and eight lessons to be stored as ATS permanent storage documents.

This publication contains a general discussion of the features of the product and the application for which it is designed.

Manual, 12 pages

## GH20-0746

SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX3

DOS LEARN Administrative Terminal System is designed to help ATS/DOS installations teach their terminal operators to use the System/360 Administrative Terminal System. It consists of new and replacement macros and application programs to be incorporated into the existing ATS and eight lessons to be stored as ATS permanent storage documents.

This publication contains a general discussion of the features of the product and the application for which it is designed.

Program Product Manual, 12 pages

## GH20-0751

OS/360 REQUIREMENTS PLANNING - APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5734-M51

A manufacturing organization requires that all parts, both manufactured and purchased, be available to meet production schedules demanded by finished product due dates, and that a sufficient quantity be available to satisfy demand. Manufacturing also must be able to adjust these requirements quickly to react suitable and in time to forecast any customer order changes. In addition, there is a need to maintain inventories at an optimum level so as not to incur the costs of obsolescence, unneeded warehouse space, unnecessary inventory, insurance, and purchase charges. OS/360 Requirements Planning is designed to satisfy these requirements and needs. The system is capable of:

- o Determining net finished product requirements
- o Determining net component part requirements
- o Planning economic lot size or order quantities
- o Offsetting requirements by considering lead times
- o Maintaining and updating the requirements plan by processing changes to forecasts and orders (referred to as "requirements alterations")
- o Providing for review of planned orders at the end of each level; interrupt and adjustment of these planned orders; reentry (referred to as "planned order adjustment")
- o Providing for management review through detailed requirements reports and exception notices

The audience for this manual includes customer executives, systems analysts, and programmers. The manual contains information necessary for the potential user to determine applicability and to begin planning for implementation of the system.

Application Description Manual, 112 pages

## GH20-0752

OS/360 INVENTORY CONTROL APPLICATION DESCRIPTION MANUAL (5734-M52)

The IBM OS/360 Inventory Control program product consists of a group of integrated programs and techniques designed for the selection and implementation of order point inventory control where it applies in manufacturing organizations.

The programs provide for (1) classification of inventory items for determining the type of control, (2) calculation of economic order quantities on the basis of usage information or future requirements, (3) computation of safety stock and order point, and (4) projection of demand on the basis of historical data.

This manual gives information for determining the applicability of the programs, and includes a general description of the programs, the machine configuration, general systems charts, sample reports, and a discussion of inventory control concepts applicable to the use of the programs. The audience for this manual includes customer executives, systems analysts, and programmers.

Manual, 64 pages

## GH20-0753

SYSTEM/360 SHOP FLOOR CONTROL APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-M31

The System/360 Shop Floor Control System is designed to provide substantial information about the status of orders moving through manufacturing facilities so that proper control can be maintained throughout the production cycle. To accomplish this, System/360 Shop Floor Control performs the following:

- Determines when orders should be released
- Prepares exception notices when material for an order is not available
- Creates files containing open order information
- Prepares data for output to shop and management personnel
- Provides retrieval of pertinent files for the user to

update upon receipt of information from the shop floor  
Provides retrieval report capability pertaining to the status of orders in the shop  
Provides the priority calculation and preparation of a work list in priority sequence.

System/360 Shop Floor Control is designed to provide current information about production orders and facilities, thereby providing management the ability to exert the proper control over shop floor activity. This control is attainable by determining the orders to be released to the shop, creating and maintaining records pertaining to these orders, and quickly accessing report information. This manual describes System/360 Shop Floor Control and provides information to enable the reader to determine applicability and to begin planning for the program product. The audience includes executives, systems analysts, and programmers.  
Program Product Manual, 60 pages

## GH20-0754

SYSTEM/360 SHOP FLOOR CONTROL DATA BASE MANUAL  
PROGRAM NUMBER 5736-M31

This manual describes the data base records and fields that are used by the System/360 Shop Floor Control program product. The following records are included:

- Item master subordinate item master
- Product structure
- Work center master
- Standard routing
- Open order summary
- Open order detail

A separate section of this manual shows the other IBM application programs and program products that use the same following IBM programs are referenced:

- System/360 Bill of Material Processor
- System/360 Inventory Control
- System/360 Requirements Planning
- System/360 Capacity Planning
- System/360 Shop Floor Control

This publication is intended to assist the user's system personnel in the planning of data base requirements for program product System/360 Shop Floor Control.  
Program Product Manual, 40 pages

## GH20-0757

CONVERSATIONAL PROGRAMMING SYSTEM (CPS)  
SYSTEM PROGRAMMER'S GUIDE

This publication provides information and descriptions of internal functions of the Conversation Programming System (CPS). Internal logic and flow is described as well as individual program module description. It is assumed that the users of this publication are thoroughly familiar with the externals of the Conversational Programming System.  
Manual, 228 pages

## GH20-0758

CONVERSATIONAL PROGRAMMING SYSTEM (CPS) TERMINAL USER'S  
MANUAL - PROGRAM NUMBER 360D-03.4-016

The Conversational Programming System (CPS) is a time-sharing system which runs in a partition of the IBM System/360 Operating System MFT II or MVT. It gives remote terminal users an interactive problem solving facility using modified subsets of either the PL/I or BASIC languages. A remote job entry facility is also provided.

This publication is a reference manual for the terminal user that contains descriptions of:

- o How to call the computer from a terminal
- o The CPS PL/I language
- o CPS PL/I built-in functions
- o Methods for program optimization
- o The remote job entry facility
- o Terminal error messages

The CPS BASIC language is not described in this manual.  
Manual, 276 pages

## GH20-0759

CONVERSATIONAL PROGRAMMING SYSTEM (CPS)  
INSTALLATION AND ADMINISTRATION MANUAL

This publication provides a description of the procedures necessary to tailor a Conversational Programming System (CPS) as distributed for a particular computer installation. It includes descriptions of necessary OS/360 support, the SYSTEM/360 hardware support, the CPS Generation procedure, additional data set support and general operating techniques. It also contains general information considered to be advantageous to computer installations using the Conversational Programming System (CPS). The reader is assumed to be thoroughly familiar with the externals of the Conversational Programming System (CPS), as presented in the Terminal User's Manual.  
Manual, 100 pages

## GH20-0761

POWER II/RJE: PROGRAM DESCRIPTION AND OPERATIONS MANUAL,  
PROG. NO. 360D-05-2.006

IBM System/360 POWER II Remote Job Entry (POWER II/RJE) offers the ability to submit jobs via remote IBM 2770 Data Communication Systems and IBM 2780 Data Transmission Terminals for normal batch processing under DOS. This manual describes the general concepts and facilities

of RJE. It includes operational and functional characteristics, installation procedures, and maintenance and performance guidelines. Knowledge of POWER II is a prerequisite to understanding POWER II/RJE (see the DOS POWER II Program Description and Operations Manual, GH20-0737).  
Manual, 150 pages

## GH20-0763

FINANCIAL TERMINAL SYSTEM APPLICATION DESCRIPTION FTS/360  
PROGRAM NUMBER 5736-F12

FTS is a System/360 DOS processing program designed to facilitate implementation of a fast response, telecommunications system. FTS acts as the controller of a BTAM partition, coordinating the DOS Multitasking Supervisor with a communications network.

The FTS user invokes FTS services and resources to assist his application-oriented processing through the medium of the DOS Assembler Language macro facilities.  
Application Description Manual, 51 pages

## GH20-0764

SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM  
APPLICATION DESCRIPTION MANUAL  
PROGRAM NUMBER 5736-D51

The Agribusiness Management Information System (AMIS) provides a computer-oriented cost accounting system for farmers, ranchers, and growers. A distinguishing feature is the emphasis this system places on management accounting by cost center. At the same time, the system produces financial accounting records necessary for fiscal control. The system represents a significant step in organizing and presenting necessary for fiscal control. The system represents a significant step in organizing and presenting the information needed for sound management decisions.

This manual contains a general description of the system and the systems approach taken. It is intended to introduce the reader to the system and to serve as a guide for early planning.  
Application Description Manual, 58 pages

## GH20-0765

INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360  
(SYSTEM DESCRIPTION) APPLICATION DESCRIPTION MANUAL  
(VERSION 2) PROGRAM NUMBER 5734-XX6

The Information Management System/360 is an Operating System/360 processing program designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual includes a general description of the system and its various facilities and programs, listings of typical and minimum configurations, and sample applications.  
Manual, 112 pages

## SH20-0766

IBM SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM  
PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-XX8

This program is used to assist ATS/OS installations in teaching their terminal operators to use the System/360 Administrative Terminal System. It functions under ATS by incorporating additional and modified macros and application programs into the existing system.

This manual contains the instructions necessary for the installation and maintenance of LEARN ATS under ATS/OS. It contains information on the functions and commands of the program and may be used as a reference manual.  
Program Product Manual, 20 pages

## SH20-0767

IBM SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM  
PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX3

This program is used to assist ATS/DOS installations in teaching their terminal operators to use the System/360 Administrative Terminal System. It functions under ATS by incorporating additional and modified macros and application programs into the existing system.

This manual contains the instructions necessary for the installation and maintenance of LEARN ATS under ATS/DOS. It contains information on the functions and commands of the program and may be used as a reference manual.  
Program Product Manual, 20 pages

## SH20-0768

IBM SYSTEM/360 LEARN ATS WORKBOOK  
PROGRAM NUMBERS 5734-XX8, 5736-XX3

The workbook is intended as a complement to the LEARN ATS package. It introduces ATS and LEARN ATS to the student and guides her through the procedures required to sign on ATS and begin taking LEARN ATS, which consists of seven lessons aimed at providing the basics of ATS/360 operations from a terminal standpoint. Appendices contain illustrative material for the lessons.  
Special Adhesive Binding, 8-1/2 x 11, 120 pages

SH20-0769

SHARED LABORATORY INFORMATION SYSTEM (SLIS) LABORATORY MANUAL PROGRAM NUMBER 5736-H12

The IBM Shared Laboratory Information System (SLIS) provides data processing support for hospital clinical laboratories. Operating under the Shared Hospital Accounting System (SHAS) executive, the programs handle batched input of laboratory requisitions and test results, producing executive, the programs handle batched input of laboratory requisitions and test results, producing

The program design allows tailoring to formats and procedures to meet the separate needs of several hospitals sharing a common computer. Input and output of the system may optionally use the SHAS teleprocessing executive, allowing remote data entry and report production. The laboratory application programs complement the SHAS accounting application programs through the use of a common admission procedure and automatic charge generation.

This basic publication provides specific information for installation planning and operation of the Shared Laboratory Information System. Detailed discussions cover available system options and user options, preparation of master file data, preparation of daily input to the system, and interpretation of output from the system.

This document should be used as a reference guide by both user-hospital personnel and central operations personnel during the entire life of the system.

Discussions in this manual pertain to the Shared Hospital Accounting System (SHAS) and the Automated Chemistry Program (ACP). For more detail on these systems, refer to SHAS PROGRAM DESCRIPTION MANUAL, (GH20-0533), SHAS OPERATIONS MANUAL (GH20-0534), ACP APPLICATION DESCRIPTION MANUAL (GH20-0475), ACP PROGRAM DESCRIPTION MANUAL (GH20-0525), and ACP OPERATIONS MANUAL (GH20-0516). Manual, 152 pages

GH20-0771

SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX4

The System/360 Data Base Organization and Maintenance Processor is a programming system designed to create, maintain, and reorganize the central data base in a multiapplication environment. It provides the framework for a computer-oriented information system. Primarily batch-oriented, the system operates under DOS/360.

This manual provides an overview of the system, specifies the functions, options, and features included in the system, and provides information necessary to begin planning for implementation. The content includes a description of the data structure facilities of the system, system flowcharts, a description of the programs in the system, machine configuration requirements, performance estimates, and user responsibilities for implementation. The manual is data processing-oriented with a variety of application examples. The primary audience is intended to be data processing executives, systems analysts, and programmers.

This program is a modified and extended version of the IBM System/360 Bill of Material Processor. Appendix A contains a discussion of this application. Appendix B of this manual enumerates the improvements and conversion considerations.

Program Product Bulletin, 76 pages

GH20-0775

SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F32

This application program is designed to assist the securities industry by automating the active box section of the cashier's department using IBM 2260 display terminals for both inquiry and security move recording.

This manual is intended for the use of customers and IBM sales and systems engineering personnel. It gives a general description of the background, purpose, and intended market of the Active Certificate Information Program, followed by sections on processing operations, installation planning and requirements, and modes of operation. A glossary is appended. Manual, 40 pages

SH20-0776

OS/360 INVENTORY CONTROL PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-M52

The OS/360 Inventory Control program product consists of a group of integrated programs and techniques designed for the implementation of order point inventory control where it applies in manufacturing organizations.

The programs provide for (1) analysis and classification of inventory items, (2) calculation of economic order quantities on the basis of usage information or future requirements, (3) computation of safety stock and order point, and (4) projection of demand on the basis of historical data.

This manual enables the user to understand the functions of, prepare for, and install the program product. Included are descriptions of the programs and the processing, definitions of input, output, and files; a discussion of the program options, program macros, and program input/output; and tables and formulas utilized within the programs. The audience for this manual includes systems analysts and programmers.

Program Description Manual, 191 pages

SH20-0777

OS/360 REQUIREMENTS PLANNING PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-M51

OS/360 Requirements Planning determines planned orders by time period for finished products, assemblies, subassemblies, parts, and raw materials based upon the input of orders and forecasts. OS/360 Requirements Planning consists of three components, the requirements generation program, the print exception program, and the chained file management system.

The chained file management system creates and maintains the direct access files, consisting of the item master, product structure, work center master, and routing files, used by a central manufacturing system. The chained file management system is required by, and is provided with, the OS/360 Requirements Planning program product.

This manual includes (1) discussions of system definition, (2) descriptions of all input/output files, (3) a detailed description of the requirements generation program, (4) a detailed description of the print exception program, (5) a detailed description of the chained file management system program modules, (6) a detailed description of customizing procedures to generate various chained file management system program modules, (7) a detailed description of customizing procedures to generate the requirements generation and print exception programs, and (8) information regarding the two sample problems. Program Description Manual, 416 pages

SH20-0778

OS/360 INVENTORY CONTROL OPERATIONS MANUAL PROGRAM NUMBER 5734-M52

OS/360 Inventory Control consists of seven programs designed to assist in the implementation of order point inventory control in manufacturing organizations.

This manual contains information regarding preparatory and operating procedures for the programs. It includes a complete list of the messages that can be produced by the programs.

Program Product Manual, 36 pages

SH20-0780

SHARED LABORATORY INFORMATION SYSTEM (SLIS) 5736-H12 PROGRAM DESCRIPTION MANUAL

The IBM Shared Laboratory Information System (SLIS) provides data processing support for hospital clinical laboratories. Operating under the Shared Hospital Accounting System (SHAS) executive, the programs handle batched input of laboratory requisitions and test results, producing laboratory reports for use throughout the hospital.

The program design allows tailoring of formats and procedures to meet the separate needs of several hospitals sharing a common computer. Input and output of the system may use the SHAS teleprocessing executive, allowing remote data entry and report production. The laboratory application programs complement the SHAS accounting application programs through the use of a common admission procedure and automatic charge generation.

This basic publication provides information on the Shared Laboratory Information System, enabling the user to understand the function of all SLIS programs as a guide for preparing to install SLIS. This document is written as a reference manual and not as a study text. For educational purposes this manual should be used in conjunction with the SLIS APPLICATION DESCRIPTION MANUAL (GH20-0709), the SLIS OPERATIONS MANUAL, and the SLIS LABORATORY MANUAL, SH20-0769. Manual

SH20-0781

SHARED LABORATORY INFORMATION SYSTEM (SLIS) (5736-H12) OPERATIONS MANUAL

The IBM Shared Laboratory Information System (SLIS) provides data processing support for hospital clinical laboratories. Operating under the Shared Hospital Accounting System (SHAS) executive, the programs handle batched input of laboratory requisitions and test results, producing laboratory reports for use throughout the hospital.

The program design allows tailoring of formats and procedures to meet the separate needs of several hospitals sharing a common computer. Input and output of the system may optionally use the SHAS teleprocessing executive, allowing remote data entry and report production. The laboratory application programs complement the SHAS accounting application programs through the use of a common admission procedure and automatic charge generation.

This basic publication gives the specifications and necessary information for operating the SLIS programs. It includes a description of retrieving data from distributed machine-readable material and cataloging programs in the user's core image library. Use of this manual requires an operating knowledge of the IBM Disk Operating System (DOS) job control cards and operating procedures. Manual, 136 pages

SH20-0782

OS/360 REQUIREMENTS PLANNING PROGRAM PRODUCT 5734-M51 OPERATIONS MANUAL

OS/360 Requirements Planning consists of three components: The requirements generation program, the print exception program, and the chained file management system.

OS/360 Requirements Planning offers a mechanized

approach to detailed requirements planning. It uses item master and product structure files created and maintained by the chained file management system.

This manual contains information regarding preparatory and operating procedures for the programs. It includes a complete list of system messages that can be generated by the programs.

Operations Manual, 56 pages

GH20-0786

CALL/360-OS EXECUTIVE AND UTILITIES PROGRAM DESCRIPTION MANUAL (PROGRAM NUMBER 360A-CX-42X)

This publication describes the facilities provided by CALL/360-OS to installation personnel who are responsible for the selection, evaluation, and implementation of the systems engineers, installation programmers, marketing representatives, and customer systems personnel.

CALL/360-OS is a terminal-oriented, time-sharing system designed to function under the control of the IBM System/360 Operating System with either of two options: Multiprogramming with a Fixed Number of Tasks (MFT), or Multiprogramming with a Variable Number of Tasks (MVT). From the terminal user standpoint, the CALL/360-OS service environment approximates that of a dedicated, in-house, data processing installation.

Subjects discussed in this manual cover system concepts, executive and utility function, data base management, system installation, run-time options, and diagnostic aids. Error messages available to the user system are described in a separate manual: CALL/360-OS, OPERATOR'S MANUAL (GH20-0788).

Application Program Manual, 168 pages

GH20-0787

CALL-OS TERMINAL OPERATIONS MANUAL (PROGRAM NUMBER 360A-CX-42X)

This manual is addressed to the CALL-OS terminal user and discusses characteristics, operation, and maintenance of terminals supported by the CALL-OS time-sharing system. A functional overview of the CALL-OS terminal command language is followed by a detailed alphabetic presentation of all the commands. System messages are listed and explained. A complete index aids the reader in rapidly locating areas of interest.

Condensed programming information for handy reference covering terminal command facilities is given in the CALL-OS Terminal Command Language Reference Card (GX20-1830). The card summarizes pertinent information in this manual for handy reference while the user is signed on to CALL-OS. Manual, 172 pages

GH20-0788

CALL/360-OS OPERATOR'S MANUAL PROGRAM NUMBER 360A-CX-42X

This publication described the online operating procedures for the CALL/360-OS time-sharing system to computer center operator personnel responsible for day-to-day system operation. CALL/360-OS is a terminal oriented, time-shared system designed to function under the control of the IBM System/360 Operating System using either of the two available options: Multiprogramming with a Fixed Number of Tasks (MFT) or Multiprogramming with a Variable Number of Tasks (MVT). Subjects discussed in this manual cover startup procedures and options, the Operator Command Language, shutdown and restart procedures, and runtime operating techniques. An entire section is devoted to a complete listing and explanation of all diagnostic messages available to the system user.

Bulletin Format, 3-hole punch, 8-1/2 x 11, 76 pages

GH20-0789

BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2 APPLICATION DESCRIPTION - PROGRAM NUMBER 5736-F31

The Brokerage Accounting System Elements (BASE) program provides a comprehensive foundation for the back office data processing applications required by today's brokerage firms. The extensive series of application areas covered by BASE includes Purchase and Sale (P&S), Stock Record, Dividends, Bookkeeping, Interest, Customer Statements, and such critical cashier functions as Falls and Transfers.

The BASE system is general enough to permit various options and modifications to suit the individual requirements of a particular brokerage firm. However, the processing in the application areas is so extensive that most programs will require little or no modification by the typical brokerage firm. The integrity of the data as it flows through BASE is maintained by a series of balancing checks, tight control over the master files, and extensive input data editing before any transaction processing or file updating occurs.

Files containing pending items and master files are updated daily, producing over 75 reports encompassing the day's trade and related activity.

Manual, 40 pages

SH20-0790

SYSTEM/360 REQUIREMENTS PLANNING INTERFACE 5736-M13 PROGRAM DESCRIPTION MANUAL (PROGRAM NUMBER 5736-M13)

The System/360 Requirements Planning Interface is a program

Requirements Planning (360A-MF-05X), provides the ability

to generate connection records. These connection records are required as input to System/360 Capacity Planning--Finite Loading (5736-M12). This manual includes information covering the functions and use of only this program product and must be used in conjunction with SYSTEM/360 REQUIREMENTS PLANNING, PROGRAM DESCRIPTION MANUAL (GH20-0584). It is intended for use by systems analysts, programmers, and operating personnel. The user is presumed to have studied the following manuals:

- SYSTEM/360 REQUIREMENTS PLANNING, APPLICATION DESCRIPTION MANUAL (GH20-0487)
- SYSTEM/360 REQUIREMENTS PLANNING, PROGRAM DESCRIPTION MANUAL (GH20-0584)
- SYSTEM/360 CAPACITY PLANNING--FINITE LOADING, APPLICATION DESCRIPTION MANUAL (GH20-0627)

Program Description Manual, 426 pages

SH20-0791

SYSTEM/360 REQUIREMENTS PLANNING INTERFACE (5736-M13) OPERATIONS MANUAL

System/360 Requirements Planning Interface is a program product which, when added to System/360 Requirements Planning (360A-MF-05X) provides the ability to generate connection records. These connection records are required as input to System/360 Capacity Planning -- Finite Loading (5736-M12). This Manual contains information regarding preparatory and operating procedures for only this program product. It must be used in conjunction with SYSTEM/360 REQUIREMENTS PLANNING, OPERATIONS MANUAL (GH20-0583).

The information in this manual is intended for systems analysts, programmers, and operating personnel, who are presumed to have studied the following manuals:

- SYSTEM/360 REQUIREMENTS PLANNING, APPLICATION DESCRIPTION MANUAL (GH20-0487)
- SYSTEM/360 REQUIREMENTS PLANNING, PROGRAM DESCRIPTION MANUAL (GH20-0584)
- SYSTEM/360 REQUIREMENTS PLANNING, OPERATIONS MANUAL (GH20-0583)

SYSTEM/360 CAPACITY PLANNING -- FINITE LOADING, APPLICATION DESCRIPTION MANUAL (GH20-0627)

SYSTEM/360 REQUIREMENTS PLANNING INTERFACE, PROGRAM DESCRIPTION MANUAL (SH20-0790)

Manual, 16 pages

SH20-0792

TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) FORMAT AND STANDARD CODES MANUAL PROGRAM NUMBER 5736-T21

This manual contains information relating to the concepts, outputs, and processing functions provided by the Tariff Publishing System. It provides complete description of the system features including, formatting, editing, error correction, and maintenance controls.

Prerequisite information is contained in these publications:

1. Tariff Publishing System - Data Preparation Manual (SH20-0798)
2. Tariff Publishing System Program Description/operations Manual (SH20-0812)

It is assumed that the reader of this manual is familiar with the information concerning formats and processing contained in these two publications.

Standard Codes Manual, 140 pages

SH20-0795

SYSTEM/360 CAPACITY PLANNING OPERATIONS MANUAL PROGRAM PRODUCT 5736-M11, PROGRAM PRODUCT 5736-M12

System/360 Capacity Planning consists of programs designed to assist in the implementation of work center loading in manufacturing organizations.

This manual illustrates the control cards for functions that are recommended at various points in the procedure. It also contains a complete list of the console messages generated by System/360 Capacity Planning, as well as information on restart and reentry procedures and program halts requiring operator action.

Manual, 48 pages

SH20-0796

SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING PROGRAM DESCRIPTION MANUAL

PROGRAM NUMBERS 5736-M11, 5736-M12

This manual includes:

- Customizing procedure for generating the System/360 Capacity Planning programs
- Functional description of all programs.
- Description of all I/O files
- Explanation and operating instructions for the sample program

Program Product Bulletin, 208 pages

SH20-0798

TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) DATA PREPARATION MANUAL 5736-T21

This manual provides detailed information on the use of IBM 1050 TARIFF ENTRY SYSTEM. IT is intended as a reference manual for all persons concerned with preparing tariff and profile entries and implementing all the functions

of the system.

It contains sections on input specification format and code definitions and sample presentations for each. Program Product Manual, Data Preparation Manual, 98 pages

## GH20-0802

CONTROL PROGRAM-67 / CAMBRIDGE MONITOR SYSTEM (CP-67/CMS) SYSTEM DESCRIPTION MANUAL - PROGRAM NUMBER 360D-05.2.005  
This manual provides an overview of the features available in the Control Program-67/Cambridge Monitor System (CP-67/CMS), a multi-access system which manages the resources of a System/360 Model 67 so that remote users appear to have a dedicated System/360 at their disposal. Within this 'virtual machine' the user may select the operating system of his choice, subject to certain restrictions noted in this manual. The Control Program (CP-67) component creates the time sharing environment in which many 'virtual 360's' (users) can simultaneously access the system. The Cambridge Monitor System (CMS) component is a conversational operating system, used from a virtual machine, which provides a comprehensive, easy-to-use set of programs (commands) which give the CMS user a wide variety of functions, including the ability to create additional commands or subsystems to satisfy his special requirements. Manual, 8 1/2 x 11, self-cover, 3 hole punch, 44 page

## SH20-0803

CONSUMER GOODS SYSTEM (COGS) FORECASTING (DOS) (OS) OPERATIONS MANUAL, PROGRAM NUMBERS DOS 5736-D32, OS 5734-D33  
This manual provides the user with the information necessary to:  
o Prepare to use the program  
o Operate the program  
o Retrieve and generate the program from the distribution tape  
o Retrieve and run the sample problem  
This manual is intended for operating personnel, systems analysts, and programmers.  
Operations Manual, 49 pages

## SH20-0804

SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING PROGRAM DESCRIPTION MANUAL (PROGRAM NUMBER 5736-D32)  
The system embodies a statistical forecasting technique that should be useful to firms in the food, pharmaceutical, soap, and cosmetic industries as well as other industries having seasonal selling patterns.  
The objective of this manual is to provide the user with the information necessary to thoroughly understand the concepts and functions of COGS-Forecasting. Major topics covered in this manual are forecasting model selection and system implementation. After reading this manual, the user should be able to:  
1. Understand the basic concepts of statistical forecasting and adaptive smoothing  
2. Select an appropriate forecasting model and its associated monitoring parameters  
3. Utilize the forecasting system as an integral part of a comprehensive inventory control system  
The audience for this manual includes operations research personnel, systems analysts, and programmers. This manual should be used in conjunction with the COGS - FORECASTING, APPLICATION DESCRIPTION MANUAL (GH20-0722) and the COGS - FORECASTING, OPERATIONS MANUAL (SH20-0803).  
Program Product, program description manual, 52 pages

## SH20-0805

MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) PROGRAM 5736-H11 OPERATIONS MANUAL  
The Medical Information Systems Program contains general executive modules, utilities, and user interfaces that provide the framework for a teleprocessing system using the Disk Operating System/360.  
This manual describes the procedures necessary for initial preparation and generation of the MISP programs, tables, and data sets; inclusion of the user application processing programs; initial loading of the user data sets under MISP; operating procedures for the central system; and operation of the terminal devices that are part of a teleprocessing system running under MISP.  
Manual, 216 pages

## GH20-0806

MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2 APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-H11  
The Medical Information Systems Program (MISP) represents an application of information processing equipment to the development of information systems. MISP is designed to assist in the installation of a teleprocessing system with special facilities that make it particularly useful in a hospital and medical environment (hospital information system), linking the many different service areas in a hospital, where complete and prompt patient care is a requirement.  
This manual describes in general the purpose and functions of MISP and its use in the implementation of a hospital information system.  
Manual, 56 pages

## SH20-0807

MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2: INSTALLATION AID MANUAL, PROG. NO. 5736-H11  
This manual includes various topics to aid the user in the installation of MISP. It is intended as a supplement to the MISP OPERATIONS MANUAL, (SH20-0805).  
Manual, 56 pages

## SH20-0808

MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) 5736-H11 PROGRAM DESCRIPTION MANUAL  
This manual contains detailed descriptions of the programs in MISP. The data sets and control blocks used by MISP programs are also described.  
Manual, 188 pages

## SH20-0809

MEDICAL INFORMATION SYSTEM PROGRAM (MISP) 5736-H11 PROGRAMMER'S MANUAL  
The purpose of this manual is to describe how to use the Medical Information Systems Program and facilities. A description of each interface to the executive program, each library routine, system symbols, and parameters for system definition are included. In addition, a series of steps is outlined for guidance in construction of application programs using the MISP facilities.  
Manual, 192 pages

## GH20-0810

IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - LOW CORE (FASTER LC) APPLICATION DESCRIPTION - PROGRAM NUMBER 5736-G22  
FASTER LC is a teleprocessing monitor for development and implementation of terminal-oriented systems. Terminal supported are 1050, 2740-I, 2260 Remote and 2260 Local. The FASTER LC system incorporates the capabilities to install inquiry, update, message routing and data entry applications. The system employs a set of macro-instructions which generate the line control, interface and message processing functions thereby eliminating the need for detailed knowledge of terminal communications control or BTAM. The FASTER LC system is adaptable to a wide variety of applications. The system is designed to operate in a minimum 32K partition of a Model 2025 ED or larger System/360.  
The principal features are described, along with a discussion of the system design. Planning information is provided to assist in determining the applicability of FASTER LC to any particular operational environment.  
Manual, 48 pages

## SH20-0811

TRAFFIC PROFILE ANALYSIS SYSTEM 5736-T22, PROGRAM DESCRIPTION AND OPERATION MANUAL  
The Traffic Profile Analysis System processes the magnetic tape tariffs produced by the Tariff Publishing System. Shippers and carriers may use the Traffic Profile Analysis System for computerized analysis of tariffs. Program facilities are provided to select tariff matter based on an interest profile.  
This manual provides the information necessary to understand the functions of the Traffic Profile Analysis System. Included is the general description of the programs, input/output description, processing description, timing information, programming systems and machine configuration, and a sample program.  
The Traffic Profile Analysis System is written in Assembler Language and operates under the IBM system/360 Disk Operating System. The Tariff Publishing System is a prerequisite for the use of the Traffic Profile Analysis System.  
The audience for this manual includes system analysis, programmers and operating personnel.  
Manual, 88 pages

## SH20-0812

TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER 5736-T21  
The Tariff Publishing System is a computer program designed to assist the tariff publishing agent in supplementing, reissuing, and distributing bound tariffs. The principal outputs of the system are camera-ready tariff material for reproduction and magnetic tapes for computerized analysis of the tariffs.  
This manual provides the information necessary to understand the functions of the Tariff Publishing System. Included are a general description of the programs, input/output description, processing description, timing information, programming systems and machine configuration, and a sample program.  
The Tariff Publishing System is written in Assembler Language and operates under the IBM System/360 Disk Operating System. The Tariff Publishing System is a prerequisite for the use of the Traffic Profile Analysis System.  
The audience for this manual includes system analysts, programmers and operating personnel.  
Program Product Manual, 72 pages

GH20-0813

CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET TRANSLATOR (CATALIST) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX2

The IBM CFO Autocoder to Assembler Language Instruction Set Translator (CATALIST) is a program designed to be used as a conversion aid for the transition from the IBM '62 CFO 1401 Autocoder programs to the IBM System/360. CATALIST attempts to greatly diminish the work associated with the most important transition process - the job of producing System/360 versions of existing 1401 programs. A single execution of the program translates a 1401 Autocoder source program into its System/360 Assembler Language equivalent.

This manual describes the IBM CFO Autocoder to Assembler Language Instruction Set Translator. Knowledge of DOS/360, 1401 Autocoder, and System/360 Assembler Language will assist the reader in understanding the contents. Program Product Manual, 16 pages

SH20-0814

CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET TRANSLATOR (CATALIST) PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER 5736-XX2

This manual contains information relating to the concepts, inputs, outputs, and processing methods used in the IBM CFO Autocoder to Assembler Language Instruction Set Translator (CATALIST). The manual provides the reader with (1) the information required to understand how CATALIST performs translation, (2) the information required to understand and respond to translation diagnostics, and (3) operating information required to set up and execute the CATALIST program.

Knowledge of DOS/360, 1401 Autocoder, and System/360 Assembler Language is required for complete understanding of the contents of this manual, whose audience includes systems analysts, programming personnel, and operating personnel. Program Product Manual, 64 pages

SH20-0815

MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION TWO - APPLICATION FILE DESCRIPTION MANUAL PROGRAM NUMBER 5736-H11

This manual describes suggested data set designs for hospital application areas. In some cases, the organization of the data set may represent the fields and sequence in actual use, but the user is given the flexibility to create his own design as he chooses with the contents of this manual as guidance. Manual, 120 pages

SH20-0820

CONSUMER GOODS SYSTEM (COGS) ALLOCATION (DOS) (OS) OPERATIONS MANUAL, PROGRAM NUMBERS DOS-5736-D31, OS-5734-D32

This manual provides the user with information necessary to:

- o Prepare to use the program
- o Operate the program
- o Retrieve and generate the program from the distribution tape
- o Retrieve and run the sample problem

This manual is intended for operating personnel, system analysts, and programmers. Operations Manual, 31 pages

SH20-0821

CONSUMER GOODS SYSTEM (COGS) ALLOCATION (DOS) (OS) PROGRAM DESCRIPTION, PROGRAM NUMBERS DOS 5736-D31, OS 5734-D32

This system is designed to provide control of highly seasonal inventory items. The user specifies parameters and constraints and the system uses variable time interval allocation to generate recommended item order quantities. The system has the additional facility of analyzing when shipment or production is required.

The main objective of the system is to provide item order quantities which are dependent upon time, item, and group constraints. They have no direct interrelationship. The primary advantages of the system are highly flexible allocation alternatives and variations, visual representation of stock status by specifying an allocation alternative with system simulation, and relative ease of installation.

The system can be used in conjunction with a forecasting system to give precise control information and item inventory status records which contain estimates of future demand. Output from the system includes time to order analysis and order quantities. Program Description Manual, 84 pages

GH20-0824

INTRODUCTION TO THE REAL-TIME MONITOR

The Real-Time Monitor (RTM) is an OS coresident program that provides fast interrupt response for real-time, event-driven systems. Normal OS jobs continue to run in background mode while the monitor services real-time interrupts and schedules real-time jobs in priority mode. In addition, multiprogramming capability and OS facilities are provided for the real-time jobs. This manual presents the general design concepts of RTM and an overview of those capabilities that enable the user to concurrently run real-time and batch jobs. It is assumed that the reader is familiar with standard OS terminology.

Application Bulletin, 20 pages

GH20-0825

GENERAL PURPOSE SIMULATION SYSTEM V (OS) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5734-XS2

This manual discusses the role of the General Purpose Simulation System (GPSS) in system simulation and is designed to help the reader determine its applicability. The manual also discusses the need for simulation, describes the scope and features of General Purpose Simulation System V, and gives some examples. It is addressed to customer executives and others responsible for evaluating new systems. Bulletin, 20 pages

GH20-0826

GENERAL PURPOSE SIMULATION SYSTEM V (DOS) APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-XS3

This manual discusses the role of the General Purpose Simulation System (GPSS) in system simulation and is designed to help the reader determine its applicability. The manual also discusses the need for simulation, describes the scope and features of General Purpose Simulation System V, and gives some examples. It is addressed to customer executives and others responsible for evaluating new systems. Program Product Bulletin, 20 pages

SH20-0827

SYSTEM/360 SHOP FLOOR CONTROL 5736-M31 OPERATOR'S MANUAL

System/360 Shop Floor Control consists of planned order release, open order file maintenance, general information retrieval, and work list preparation, each of which contains one or more programs. This program product is designed to assist in the implementation of a shop floor control application in manufacturing organizations.

This manual contains information regarding preparatory and operating procedures for the programs. It includes a complete list of the error messages that can be produced by the programs. The audience for this manual includes customer operating personnel, systems analysts, and programmers. The prerequisite for the use of this manual is a knowledge of System/360 Disk Operating System and the Bill of Material Processor. Manual, 44 pages

SH20-0828

SHOP FLOOR CONTROL, PROGRAM NUMBERS 5736-M31 (DOS), 5734-M31 (OS) - PROGRAM DESCRIPTION MANUAL

Shop Floor Control is a group of programs designed to provide current information about a manufacturing facility and to assist management in effectively controlling production. The programs provide for the release of orders to the manufacturing facility, the creation and maintenance of records pertaining to the orders, retrieval of orders, report capability on the status of the orders, and the preparation and printing of a work list for shop supervisory personnel.

This manual describes Shop Floor Control and provides information to enable the reader to install the program product. The audience includes system analysts, programmers, and certain operating personnel.

This manual includes (1) customizing procedures for generating the Shop Floor Control programs, (2) a functional description of each program, (3) a description of all input/output files, and (4) an explanation of, and operating instructions for, the sample problem. Program Product Manual

SH20-0829

SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR 5736-XX4 PROGRAM DESCRIPTION MANUAL

The System/360 Data Base Organization and Maintenance Processor is a programming system designed to create, maintain, and reorganize the central data base in a multiapplication environment. It provides the framework for a computer-oriented information system. Primarily batch-oriented, the system operates under DOS/360.

This manual provides an overview of the system, specifies the functions, options, and features included in the system, and provides information necessary for implementation. The manual is data processing-oriented with a variety of application examples. The primary audience includes systems analysts and programmers.

This manual includes (1) a brief discussion of the system, (2) an implementation checklist, (3) descriptions of all I/O files, (4) an explanation of, and the operating instructions for, the sample problem, (5) descriptions of all the file organization and maintenance programs and instructions for their modification, and (6) descriptions and logic diagrams for selected user retrieval programs.

This program is a modified and extended version of the System/360 Bill of Material Processor. An appendix contains directions for conversion from System/360 Bill of Material Processor (360A-ME-06X). Manual, 584 pages

## SH20-0830

SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR 5736-XX4 OPERATIONS MANUAL  
The System/360 Data Base Organization and Maintenance Processor is a programming system designed to create, maintain, and reorganize the central data base in a multiapplication environment. It provides the framework for a computer-oriented, the system operates under DOS/360.

This operations manual contains operating information for the creation, maintenance, and reorganization of the central data files. The primary audience includes operators, systems analysts, and programmers.

The items covered in this manual are:

1. Master File Creation and Maintenance Modules
  2. Chain File Creation and Maintenance Modules
  3. Data Base Organization and Maintenance Processor Input/Output Modules to be used with user-prepared retrieval programs
  4. File Reorganization Modules
  5. A set of four Data Base Organization and Maintenance Processor utility programs
  6. Operator console messages
- Manual, 72 pages

## GH20-0832

SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DOS (RAX-DOS) PROGRAMMING RPQ: APPLICATION DESCRIPTION, PROG. NO. 5799-AA

This program RPQ is designed to allow Remote Access Computing System (RAX) to operate concurrently with Disk Operating System (DOS) in the background on a standard System/360 processor. It enables an installation with a single System/360 processor to provide the time-sharing, terminal operating capabilities of RAX with a minimum impact on DOS operations.

This publication contains a description of the system, the equipment requirements, RAX system capabilities, the elements of the RAX Terminal Command Language, and a discussion of the RAX system operation. For description of DOS, see IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEM, CONCEPTS AND FACILITIES (GC24-5030).  
Application Description Manual, 32 pages

## SH20-0833

SYSTEM/360 TEXT PROCESSOR - PAGINATION/360 PROGRAM DESCRIPTION VOLUME 1 PROGRAM NUMBER 5736-K12

This publication is divided into three volumes:

- Volume 1 contains general functional and processing descriptions of PAGINATION/360, system requirements, and performance; and detailed functional, operating, and processing descriptions of PAGINATION/360 and its associated utility programs. A glossary is included.
- Volume 2 contains detailed descriptions of the various command languages, tables, and files that are used by PAGINATION/360.
- Volume 3 contains the information required by a user to write the input and output modules necessary to interface with PAGINATION/360.

A detailed knowledge of IBM Disk Operating System operating procedures is a prerequisite for using this publication.  
Program Product Publication, 276 pages

## SH20-0834

SYSTEM/360 TEXT PROCESSOR - PAGINATION/360 PROGRAM DESCRIPTION VOLUME 2 - PROGRAM NUMBER 5736-K12

This manual contains detailed descriptions of the various command languages, tables, and files that are used by PAGINATION/360. It is designed to give the user a complete picture of the detailed use of these features.

Volume 2 contains the following information:

1. CONTROL LANGUAGES - detailed descriptions of the hot type and photocomposition languages.
  2. PAGE MAKEUP LANGUAGE - a detailed description of each page makeup command.
  3. PAGE LAYOUT SPECIFICATIONS - a general discussion of page layout specifications and a detailed description of the Page Format Files.
  4. PAGE STYLE DESCRIPTORS - a detailed description of the Page Style Descriptor Files.
  5. Graphic Descriptors - a detailed description of the Graphic Descriptor Files.
  6. GRAPHIC ARRANGEMENT TABLE - a detailed description of the Graphic Arrangement Tables.
  7. FILES - a detailed description of all records and files in the PAGINATION/360 system.
- Program Product Publication, 300 pages

## SH20-0835

SYSTEM/360 TEXT PROCESSOR-PAGINATION/360: PROGRAM DESCRIPTION VOLUME 3, PROG. NO. 5736-K12

This volume contains the details necessary for a user to write I/O modules. A general discussion of I/O module requirements is followed by the details concerning input

programming and output programming. An appendix comprising all files read or written by the user's I/O module is included.

Program Product Publication, 144 pages

## SH20-0836

SYSTEM/360 TEXT PROCESSOR - PAGINATION/360 OPERATIONS MANUAL PROGRAM NUMBER 5736-K12

This publication contains system requirements, preparatory system procedures, a sample problem, and PAGINATION/360 operating procedures. Utility program operating procedures are included in Volume 1 of the Program Description Manual. A detailed knowledge of DOS operating procedures is a prerequisite for using this publication.

Program Product Publication, 40 pages

## SH20-0837

SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DISK OPERATING SYSTEM (RAX-DOS) PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5799-AA

This publication provides the information necessary to use the IBM System/360 Remote Access Computing System with Disk Operating System (RAX-DOS). It contains a description of the RAX-DOS systems concept, a discussion of the RAX program functions, the equipment requirements, the RAX Terminal Command Language and a description of RAX terminal operating procedures. For description of DOS, see the following publications:

IBM System/360 Disk Operating System, System Control and System Service Programs (GC24-5036).

IBM System/360 Disk Operating System, Data Management Concepts (GC24-3427)  
Programming RPQ, 96 pages

## GH20-0838

INTRODUCTION TO DATA/360 - DOS PROGRAM NUMBER 5736-XS2

DATA/360 - DOS is a data entry program written in Assembler Language to operate under the Disk Operating System (DOS). Its purpose is to provide a method of entering data by means of local IBM 2260 Display Stations to IBM 2311 Disk Storage Drives or IBM 2314 Direct Access Storage Facilities and of verifying this data to produce input to a user's program, bypassing all peripheral equipment operations. Anticipated users are those currently using card equipment, magnetic tape recording and/or paper tape recording equipment.

The purpose of this publication is to present the inherent functions and capabilities of DATA/360 - DOS.

The elaborated program description and the comprehensive input/output descriptions are the major items covered in this publication.  
Program Product, 24 pages

## GH20-0841

DISPLAY MANAGEMENT SYSTEM APPLICATION DESCRIPTION PROGRAM NUMBER 5734-XC1

An interactive data processing system is one in which decision-making rests in the hands of qualified individuals who communicate directly with the computer by means of online devices such as the IBM 2260/65 Display Station. The Display Management System (DMS) is a series of application modules, operating under a supervisor, which greatly simplify the complexities of implementing interactive data processing operations that feature the 2260/65 Display Station. The data entry, update, and inquiry capabilities offered by DMS make it possible to implement many new or existing applications in the interactive environment without user programming. With three forms provided by DMS, the user implements his own applications on a customized basis by describing his data files, designing 2260/65 Display Station images (panels) in the language of his own application, and describing the utility functions that are required. An online work order system, such as might be used in a plant maintenance application, is used throughout as an example of the type of application easily implemented under DMS.

This manual provides an overview of the application area and describes the functions performed by the system. Customer responsibilities, performance specifications, programming system requirements, and minimum machine configuration are also included.  
Manual, 48 pages

## SH20-0843

SYSTEM/360 REMOTE ACCESS COMPUTING WITH DISK OPERATING SYSTEM (RAX-DOS) OPERATIONS MANUAL PROGRAM NUMBER 5799-AA

This publication provides the System/360 machine operator with detailed instructions for starting, running, and stopping the Remote Access Computing System with Disk Operating System (RAX-DOS). It includes machine requirements, descriptions of RAX online messages and their meanings, and RAX restart procedures. This manual also includes the procedures required for RAX system generation and RAX system generation and RAX library maintenance.

For descriptions of operating and system generation procedures on DOS, see the following publications:

IBM SYSTEM/360 DISK OPERATING SYSTEM, OPERATING GUIDE (GC24-5022)

IBM SYSTEM/360 DISK OPERATING SYSTEM, SYSTEM GENERATION AND MAINTENANCE (GC24-5033)

Operations Manual, 40 pages

GH20-0844

MANAGEMENT INFORMATION SYSTEM FOR PUBLIC UTILITIES WITH THE IBM SYSTEM/370

This bulletin explains a system to provide assistance in the formulation and execution of plans in all areas and at all levels of public utility management through the use of management techniques and timely feedback of exception and status reports from previous plans.  
DP Application Bulletin, 8 pages

SH20-0846

SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-D51

This manual contains information relating to the concepts, options, inputs, outputs, and processing methods used in the Agribusiness Management Information System (AMIS). This manual provides the reader with (1) a general introduction to AMIS options and processing, (2) specific information on using the system, and (3) considerations for implementing and installing the system.  
Program Description Manual, 363 pages

SH20-0847

SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM OPERATIONS MANUAL PROGRAM NUMBER 5736-D51

This manual presents the information required to set up the Agribusiness Management Information System (AMIS) and to execute the AMIS programs. The system operates under the IBM System/360 Disk Operating System (DOS). The AMIS programs are presented in the suggested running sequence. The information applicable to each program is presented in a separate section.

This manual is directed to those persons charged with running the system.  
Operations Manual, 122 pages

GH20-0849

INTRODUCTION TO MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) - PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XM4

The Mathematical Programming System - Extended (MPSX) is an IBM Program Product that provides expanded capabilities over the predecessor Mathematical Programming System (MPS/360). The optional Mixed Integer Programming (MIP) feature of MPSX provides the ability to solve mixed integer linear programming problems. The optional Generalized Upper Bounding (GUB) feature of MPSX provides the ability to solve large, specially structured linear programming problems in a particularly efficient manner.

A typical mathematical programming application might include building a mathematical model, finding an optimal solution, determining the effect of changing key data on the optimal solution, computing alternate solutions by systematically varying cost or requirement data, and preparing a management report. Application areas include material allocation, ingredient blending, production planning, investment, capital budgeting, plant/warehouse location, machine loading, work force allocation, production/distribution models, and other optimization areas.

This manual is an overview of the capabilities of MPSX and its optional features, MIP and GUB. Minimum machine configuration, problem capacity and timing considerations are discussed.  
Manual, 36 pages

GH20-0850

APL/360 - OS (5734-XM6) AND APL/360 - DOS (5736-XM6) GENERAL INFORMATION MANUAL

This publication provides a general introduction to the use, operation, and installation of APL/360. APL/360 is a conversational time-shared terminal system utilizing APL (A Programming Language), a concise notation which makes use of well known mathematical symbols, plus a number of symbols that are used for designating other simple and powerful functions. Because APL is closely related to mathematical notation, and its functions operate on sets of information as well as individual data items, the user can write effectively in this language with a minimum of instruction.

APL/360 is designed to operate under either (a) the IBM System/360 Operating System (OS/360), Multiprogramming with a Fixed Number of Tasks (MFT with subtasking) or Multiprogramming with a Variable Number of Tasks (MVT) or (b) the IBM System/360 Disk Operating System (DOS/360).

The manual is in three parts:

Part I describes APL/360 as viewed by a user at a typewriter-like terminal. The statements and commands used to describe the operations to be performed by the APL/360 System are summarized.

Part II describes APL/360 as viewed from the central data processing system location. The system features which facilitate the management and operation of an APL/360 System are summarized.

Part III describes the items to be considered in planning for the installation of an APL/360 System. Minimum machine requirements and storage requirements are provided.  
Manual, 65 pages

SH20-0851

GENERAL PURPOSE SIMULATION SYSTEM V USER'S MANUAL, PROG. NOS. 5734-XS2 (OS) AND 5736-XS3 (DOS)

This publication is an extension and amplification of the manual entitled GENERAL PURPOSE SIMULATION SYSTEM V INTRODUCTORY USER'S MANUAL. It provides a detailed description and explanation of the component parts and operation of the GPSS program. Examples illustrating the uses of GPSS entities and the coding of GPSS statements are given in appropriate sections. This manual should enable those involved in simulation projects to construct models using the full capabilities of GPSS.  
Program Product Manual, 436 pages

GH20-0852

INTRODUCTION TO MINIPERT PROGRAM NUMBER 5734-XP3

MINIPERT is a conversational, interactive, critical path IBM Program Product that operates under an APL/360 system configuration. The program provides PERT-type information for planning, scheduling or controlling any project by using terminals as the input/output device. It operates on any IBM System 360/OS or DOS system where the program product APL/360-OS (5734-XM1) or APL/360-DOS (5736-XM1) is installed.

MINIPERT places the well established project control technique of PERT in an interactive environment, thus overcoming the traditional turnaround problem experienced in a batched environment. This publication summarizes the highlights of the MINIPERT program.  
Manual, 24 pages

GH20-0853

DATA/360-OS: GENERAL INFORMATION MANUAL, PROG. NO. 5734-XS3

DATA/360-OS is a data entry system written in Assembler Language to operate under the System/360 Operating System MFT or MVT (OS). Its purpose is to provide a method of entering data by means of local IBM 2260 Display Stations to IBM 2311, 2314, or 3330 direct access storage and of verifying this data to produce input to a user's program, bypassing all peripheral equipment operations. Anticipated users are those currently using card equipment, magnetic tape recording and/or paper tape recording equipment.

The purpose of this publication is to present the inherent functions and capabilities of DATA/360-OS.

The elaborated program description and the comprehensive input/output descriptions are the major items covered in this publication.  
General Information Manual, 28 pages

GH20-0854

PROCEDURE LIBRARY-MATHEMATICS (PL-MATH) GENERAL INFORMATION MANUAL, PROGRAM NUMBER 5734-XM3

The Procedure Library-Mathematics program (PL-MATH) is a collection of mathematical procedures written in the PL/I language. It consists of input/output-free computational building blocks, written completely in PL/I, which may be combined with a user's input, or computational routines as needed. The procedures in this library may be applied to the solution of many problems in industry, science, and engineering.

This manual presents an introduction to PL-MATH, a list of the capabilities of the library, rules of usage, machine configuration, programming systems, and a list of reference material.  
General Information Manual, 20 pages

GH20-0855

INTRODUCTION TO PROJECT MANAGEMENT SYSTEM IV (PMSIV), PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XP4

PMS/IV is a highly modular set of computer program routines, each performing one function common to many management applications. It is open-ended - that is, the number of functions under PMS/IV can be expanded and added to. It is versatile - that is, the user can control program logic without resorting to reprogramming. Output reports can be defined with a single set of procedural statements and can be revised with every computer run if required. The computer code itself is written in a way that simplifies modification, if this ever becomes necessary. At present, PMS/IV contains the following four modules:

Network Processor  
Resource Allocation Processor, and  
a versatile Report Processor  
Cost Processor

In suitable combinations these processors will accomplish the data processing required in critical path analysis, PERT, PERT Cost, and resource allocation.  
Manual, 48 pages

GH20-0856

CP-67/CMS VERSION 3.1: CP-67 OPERATOR'S GUIDE, PROG. NO. 360D-05.2.005

CP-67 is a multiaccess system which allows multiple System/360 operating systems to run under it concurrently in a time-shared mode. These operating systems run in the same manner as they do on a dedicated System/360 computer. Some systems that have run under CP-67 are CMS, CMS Batch, CS, DOS, APL 360, RAX and CP-67.

This publication is intended to present to the operations staff responsible for the operation of CP-67,



the facilities and responsibilities of the systems operator and administrator. It is divided into two basic parts:  
 (1) the operator's guide, including instructions for system startup, shutdown, and emergency recovery procedures, and  
 (2) instructions on the utilities included with the system, including device-formatting, allocation, and user definition.  
 Type III Program Manual, Class A, 72 pages

GH20-0857

CP-67/CMS VERSION 3.1: INSTALLATION GUIDE, PROG. NO. 360D-05.2.005

The purpose of this document is to provide the installation with instructions on creating a runnable CP-67/CMS system tailored to his configuration. There are also considerations for tuning the system as well as maintaining both CP-67 and CMS.

This manual should be read in its entirety before installing the system, as procedures have changed.  
 Type III Program Manual, Class A, 56 pages

GH20-0858

CONTROL PROGRAM - 67/CAMBRIDGE MONITOR SYSTEM (CP-67/CMS) HARDWARE MAINTAINABILITY GUIDE PROGRAM NUMBER 360D-05.2.005

The CP-67/CMS Hardware Maintainability Guide explains how to run Customer Engineer Diagnostics under CP-67, and describes the error-recording facility in CP-67. Topics discussed under diagnostics include limitations under CP-67, as well as conventions and instructions for running diagnostics under CP-67.

Sample terminal sessions for running DMA8 and FRIEND are included.

Topics covered under CP-67 Error-Recording Facility are the CP-67 error-recording mechanism, conditions and devices involved in recording, and instructions for retrieval of I/O error, channel check, and machine-check information.  
 Type III, Class A, 48 pages

GH20-0859

CP-67/CMS VERSION 3.1: USER'S GUIDE, PROG. NO. 360D-05.2.005  
 CP-67/CMS is a general purpose time-sharing system developed for the IBM 360. This guide describes the facilities of CP-67/CMS and provides detailed information about the user commands available and their usage.  
 Type III Program, Class A, 614 pages

GH20-0860

CONTROL PROGRAM - 67/CAMBRIDGE MONITOR SYSTEM (CP-67/CMS) VERSION 3 CMS SCRIPT USER'S MANUAL

This manual introduces you to the Script manuscript facility that operates under the Control Program-67/Cambridge Monitor System (CP-67/CMS). Script enables you to type in a manuscript, correct it, examine your corrections, and print it out - all at a typewriter terminal - with spacing performed automatically by the system. The spacing feature enables you to type in text lines without regard to margins; your text is automatically formatted to fit within the margin size that you specify, as in book and newspaper printing. Other capabilities of Script include page numbering, page heading, tab setting, indentation, centering, margin setting (top and bottom of page, as well as right and left sides), double spacing, page skipping, line breaking and several special features, such as entering lines from the terminal during manuscript printout. The hard copy, or finished product, can be outputted to either the typewriter terminal or offline printer.

Sample documents are provided for practice in creating, editing, and printing a Script file.

The procedure for logging in from CP-67 (the Control Program) to CMS, and document maintenance within CMS are explained.

The Edit facility in CMS is described in some detail.  
 Type III Program Manual, Class A, 72 pages

SH20-0863

IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-LOW CORE (FASTER LC) 5736-G22 PROGRAM DESCRIPTION MANUAL

FASTER LC is a programming system for retrieving data from indexed-sequential files, and for maintaining such files, by means of remote or local terminal devices. The system procedures are adaptable to a wide variety of applications. FASTER LC incorporates a macro-language which provides for writing message processing programs on a functional level.

Through the use of the Basic Telecommunications Access Method, FASTER LC provides line control to support a communication network consisting of combinations of IBM 1050 and IBM 2740-1 typewriter terminals and the IBM 2260 display terminal.

FASTER LC operates as a standard job in a single partition under DOS/360, using a minimum of 32K bytes, on a System/360 Model 2025ED or larger.

This manual describes the FASTER LC system environment and components. Included are detailed macro instruction descriptions, and user considerations concerning backup/recovery, hardware, and documentation aids.  
 Manual, 280 pages

SH20-0864

SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-LOW CORE (FASTER LC) 5736-G22 OPERATIONS MANUAL

This publication contains a description of the procedures necessary to implement FASTER LC in a test or on-line environment. Initialization of system files, linkage editing options, and system messages are discussed in addition to the maintenance transaction which is included with the program.  
 Manual, 52 pages

SH20-0866

GENERAL PURPOSE SIMULATION SYSTEM V INTRODUCTORY USER'S MANUAL, PROG. NOS. 5734-XS2 (OS) AND 5736-XS3 (DOS)

This manual provides a basic introduction to the use of the General Purpose Simulation System (GPSS). It is written for those individuals who have not had previous simulation experience.

The information presented is sufficient to enable new users to construct simple models within a short period of time. It is intended for an audience of those persons responsible for evaluating modeling techniques and constructing actual models.

Examples of the use of GPSS statements are given throughout the manual. These examples emphasize the basic features of the GPSS program and demonstrate the use of simple GPSS statements. A more complete, detailed description of all GPSS features may be found in the manual entitled GENERAL PURPOSE SIMULATION SYSTEM V USER'S MANUAL (SH20-0851). Users should refer to a copy of the USER'S MANUAL when they begin to write more sophisticated models. Introductory User's Manual, Program Product, 132 pages

SH20-0867

GENERAL PURPOSE SIMULATING SYSTEM V-OS (GPSS V-OS) OPERATIONS MANUAL, PROGRAM NUMBER 5734-XS2

This manual contains sufficient information to enable the user to link-edit and incorporate the GPSS program into his system library for subsequent execution under the control of Operating System/360. Detailed examples are given for entering the GPSS program into either a private program library or the OS/360 program library, SYS1.LINKLIB. Other examples illustrate the OS/360 job control language (JCL) statements required to execute models that use various GPSS features which require additional JCL statements.

This manual describes and illustrates the quantity of GPSS entities required to fit modeling requirements. The various data sets required by GPSS are also illustrated and described. Explained in detail are several extended features of GPSS: Run Length, LOAD, user-written FORTRAN and PL/I HELP routines, and Auxiliary Storage. Sufficient examples are provided to enable the user to implement these features.

Program Product Operations Manual, 88 pages

SH20-0868

GENERAL PURPOSE SIMULATION SYSTEM V - DOS (GPSS V - DOS) OPERATIONS MANUAL, PROGRAM NUMBER 5736-XS3

This manual contains sufficient information to enable the user to link edit and incorporate the GPSS program into a system for subsequent execution under the control of the Disk Operating System/360. Detailed examples are given to illustrate the DOS job control statements required to execute models that use various features of GPSS.

This manual explains the quantity of GPSS entities and the core allocation needed to fit modeling requirements. The various data sets required by GPSS are also listed and described.

Several extended features of GPSS are explained in detail. These include the Run Length, Load, and Auxiliary Storage features and user-written FORTRAN and PL/I HELP routines. Sufficient examples are provided to enable the user to implement these features.  
 Program Product Manual, 72 pages

SH20-0870

SYSTEM/360 FINANCIAL TERMINAL SYSTEM, PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F12

The System/360 Financial Terminal System comprises a comprehensive modular set of programs designed to provide an efficient multiprogramming environment for communication-based users. The on-line system functions as an interface between user-written application programs and the DOS/360 multitasking supervisor and BTAM. Thus, high-level control of a terminal network with concurrent processing of up to eight message transactions within one DOS partition is provided. To obtain the necessary resources and services for transaction processing, user programs issue FTS and/or DOS macros.

In addition, FTS provides guidelines and off-line programs to facilitate the installation of the on-line system and promote its effective operation.  
 Program Product Documentation, 76 pages

SH20-0871

SYSTEM/360 FINANCIAL TERMINAL SYSTEM, OPERATIONS MANUAL, PROGRAM NUMBER 5736-F12

This manual contains system preparation information, procedural descriptions, and operating instructions for all facets of the System/360 Financial Terminal System operation. These include unpacking the machine-readable

material comprising FTS, system generation, loading, initialization, testing, on-line control, system performance analysis, and post processing.

For a more comprehensive understanding of FTS, the system operator is directed to the FTS Program Description Manual (SH20-0870).  
Program Product Documentation, 140 pages

## SH20-0872

SYSTEM/360 FINANCIAL TERMINAL SYSTEM, PROGRAMMER'S MANUAL, PROGRAM NUMBER 5736-F12

The System/360 Financial Terminal System (FTS), operating with the DOS multitasking supervisor and BTAM in a DOS partition, provides efficient multitasking capabilities to communications-based users.

This manual serves as a guide for designing, writing, and testing transaction processors to be executed under FTS. The FTS environment, requirements, and macro instructions are described along with programming techniques.

Program Product Documentation, 136 pages

## GH20-0873

FARE QUOTE/TICKETING APPLICATION DESCRIPTION MANUAL

This program provides a modular domestic U.S. Airline fare quotation and ticketing system designed to be integrated with the IBM Programmed Airlines Reservation System (PARS). This program operates under the supervision of the Airlines Control Program (ACP).

Program Product Manual, 24 pages

## GH20-0874

COMPUTER SYSTEM SIMULATOR II (CSS II) GENERAL INFORMATION MANUAL, PROGRAM NUMBER 5734-XS5

This manual contains a general description of the Computer System Simulator, a program defined to analyze the operation of computer systems -- both programs and equipment. The CSS language is presented along with a description and samples of the output obtainable. The scope of the program is indicated by two case studies in which CSS was used; these illustrate the type of problem for which CSS can be useful and the magnitude of the effort required.

General Information Manual, 20 pages

## SH20-0875

COMPUTER SYSTEM SIMULATOR II (CSS II) PROGRAM DESCRIPTION AND OPERATIONS MANUAL, PROGRAM NUMBER 5734-XS5

This manual provides a definitive description of the Computer System Simulator II (CSS II), a simulator program for analyzing the performance of computer systems. The structure and language of the program are explained in detail, with some examples showing the application of the program. In addition, the operation procedures for running the program are included. This manual is not intended for the tyro. The reader is assumed to have a thorough understanding of what constitutes a computer system and of the interaction between hardware and software within the system.

Manual, 284 pages

## GH20-0876

THE REAL-TIME MONITOR (RTM) PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 360A-SV-001

The Real-Time Monitor (RTM) is co-resident with OS. It provides fast interrupt response for real-time, event-driven systems. Normal OS jobs continue to run while the Monitor services real-time interrupts and schedules real-time jobs in priority mode. In addition, multiprogramming capability and OS facilities are provided for the real-time jobs. This manual presents the general design concepts of RTM and functional capabilities that enable the user to run real-time and non-real-time jobs concurrently. It is assumed that the reader is familiar with standard OS terminology.

Application Program Manual, Type II, 16 pages

## GH20-0877

THE REAL-TIME MONITOR (RTM), PROGRAM NUMBER 360A-SV-001 OPERATIONS AND PROGRAMMER'S GUIDE

The Real-Time Monitor (RTM) is co-resident with OS. It provides fast interrupt response for real-time, event-driven systems. Normal OS jobs continue to run in background mode while the Monitor services real-time interrupts and schedules real-time jobs in priority mode. In addition, multiprogramming capability and OS facilities are provided for the real-time jobs. This manual describes the operating instructions, programming services, and the control blocks required to install RTM and to design application programs that run under RTM.

Application Program Manual, Type II, 68 pages

## SH20-0879

DATA/360 - DOS CONSOLE OPERATOR'S GUIDE, PROGRAM NUMBER 5736-XS2

This manual presents (1) a procedure for initializing the DATA/360 system, (2) a description of DATA/360 utilities and procedures for using them, and (3) a complete and detailed description of all files and their associated formats.

Program Product Manual, 52 pages

## GH20-0883

CONSOLIDATED FUNCTIONS ORDINARY II (CFO II) SYSTEM, APPLICATION DESCRIPTION, PROGRAM NUMBER 5736-N13

CFO II is a proven insurance information systems approach to the maintenance, processing, and servicing of individual life insurance contracts.

CFO II processes both scheduled and nonscheduled transactions, provides figures for annual and interim statement purposes, updates policies with cash values, dividends, and other forms of participation, and updates policies with renewable term premiums. CFO II capabilities provide for policy status on loans, surrenders, and mode premium values.

This manual contains a general description of the insurance functional capabilities of the CFO II system. It is intended to provide the reader with an understanding of the system and its capabilities. It also will serve as a guide for planning the installation of CFO II.

Application Description Manual, 32 pages

## SH20-0885

DATA/360 - DOS TERMINAL OPERATOR'S GUIDE, PROGRAM NUMBER 5736-XS2

This manual describes the entire command structure for DATA/360. Each command (both primary and secondary) is explained in sufficient detail to enable an experienced keypunch operator to quickly acquire the skills necessary to exploit the advantages offered by the DATA/360 system. This manual is organized to facilitate teaching of inexperienced operators as well as to serve as a reference guide. In addition, the Appendix contains a step-by-step self-tutoring DATA/360 primer.

Terminal Operator Guide, Program Product, 32 pages

## GH20-0888

BASIC COURTS SYSTEM (BCS) APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-G26

The Basic Courts System (BCS) provides judicial administrators with on-line calendar, case history, name index and identification number index information to assist them in the management of court operations. It is designed to function in criminal and civil courts on general and limited jurisdiction levels.

BCS utilizes the FASTER LC system (Program Product Number 5736-G22) and operates in a 56K problem program partition (includes FASTER LC) of a Model 2030 F or larger System/360, or a System/370 subject to the compatibility constraints announced for System/370.

This manual describes the features, advantages, and general design of the system. Planning information is also provided.

Program Product Manual, 36 pages

## SH20-0890

APL/360 - OS OPERATIONS AND INSTALLATION MANUAL, PROGRAM NUMBER 5734-XM6

This manual is in three parts.

Part I gives instructions for operating the APL/360 time-sharing system. Suggestions for good practice in time-sharing and remote-computing operation are included.

Part II gives instructions for operating the APL/360 Utility program.

Part III describes the procedure for incorporating APL into an existing installation. It includes instructions for preparing the OS system for APL, allocating resources, and restoring the distributed APL library. Common problems encountered during system installation are noted and analyzed.

Program Product Manual, 76 pages

## GH20-0892

IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) APPLICATION DESCRIPTION, PROG. NO. 5734-XX1

This manual surveys the operational concepts and system capabilities of the Generalized Information System, Version 2. The manual introduces the language of GIS/2 and describes the file organization and processing actions supported by GIS/2.

The Generalized Information System operates under control of the Operating System on System/360 and System/370 and supports a wide variety of applications by providing information-handling capabilities against many typical data base organizations. GIS/2 provides facilities for defining, maintaining, and retrieving data from user files under direction of the using installation and its personnel.

Program Product Manual, 76 pages

## SH20-0893

SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM OPERATIONS MANUAL, PROGRAM NUMBER 5736-F32

This manual gives instructions for operating the Active Certificate Information (ACIP) from the System/360 console operator's point of view. System/360 operations include ACIP start and stop procedures, control card setup, system generation, and console messages.

Manual, 36 pages

SH20-0894

SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM TERMINAL OPERATOR'S MANUAL PROGRAM NUMBER 5736-F32  
The Active Certificate Information Program (ACIP) assists the box clerk in the operations of the active box section of the cashier's department. The certificate inventory and summarized pending instructions are maintained on-line and are updated by security move transactions.

This manual describes the operations used by a 2260 terminal operator for the ACIP program. It contains an explanation of the features and operating characteristics of the 2260 terminal and a complete description of all transactions with examples of their use. It includes explanations of the types of security records maintained on the master security description (MSD) file, with a description of the denominations in which resources are stored. Also covered are the elements of the MSD record keys with their associated codes.

Appendices contain examples of typical transaction response screens and descriptions of the data entry formats for transactions.

Program Product Manual, 120 pages

SH20-0895

SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F32  
This manual describes the program functions and the processing performed by the Active Certificate Information Program. All terminal displays and record formats are included with an explanation of their contents. All user program options and user installation requirements are fully discussed.

Program Product Manual, 108 pages

GH20-0896

FORTRAN CONVERSION AID PROGRAM, GENERAL INFORMATION MANUAL PROGRAM NUMBER 5799-AAJ, REFERENCE NUMBER FA1287  
The FORTRAN Conversion Aid Programming RPQ assists in converting programs written in certain non-System/360 FORTRAN dialects to System/360 executable code. Conversion is accomplished through translation, hand modification, compilation, and object-time library simulation. This programming RPQ is available on special quotation only. This manual briefly describes the major components, capabilities, and limitations of FORTRAN Conversion Aid. Included is a listing of sample input and output for the translator portion of the program.

Programming RPQ, 20 pages

SH20-0897

FORTRAN CONVERSION AID PROGRAM, PROGRAM DESCRIPTION AND OPERATIONS MANUAL, PROGRAM NUMBER 5799-AAJ, REFERENCE NUMBER FA1287  
The FORTRAN Conversion Aid Programming RPQ assists in converting programs written in certain non-System/360 FORTRAN dialects to System/360 executable code. Conversion is accomplished through translation, hand modification, compilation, and object-time library simulation. This programming RPQ is available on special quotation only.

This manual gives a general overview of the Programming RPQ and its capabilities. It describes the components of FORTRAN Conversion Aid and contains instructions for using it.

Program Product Manual, 196 pages

SH20-0898

PMS IV, COST PROCESSOR, PROGRAM DESCRIPTION AND OPERATIONS PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XP4

This manual describes the Cost Processor, one of the four component processors of PMS IV. It explains how the Cost Processor fits into the system, and what it does. It describes in detail the format of all necessary cards and includes examples of an input deck listing and output reports. Further, it explains how to run the processor in the most economical way, and how to make full use of the processor's facilities to carry out fully satisfactory cost analysis.

Manual, 168 pages

SH20-0899

PMS IV, NETWORK PROCESSOR, PROGRAM DESCRIPTION AND OPERATIONS MANUAL, PROGRAM NUMBER 5734-XP4

This manual provides a detailed description of the Network Processor of PMS IV. It sets out in detail the format of the input cards and the output generated. It explains the methods of calculation used and defines the OS/360 job control needed to run the Network Processor. It illustrates the standard reports and explains how to get the best out of the system.

Program Product Manual, 176 pages

SH20-0900

PROJECT MANAGEMENT SYSTEM IV (PMSIV) RESOURCE ALLOCATION PROCESSOR, PROGRAM DESCRIPTION/ OPERATIONS MANUAL - PROGRAM NUMBER 5734-XP4

This manual provides a detailed description of the Resource Allocation Processor of PMSIV. It sets out in detail the output generated and defines the OS/360 job control needed to run the Resource Allocation Processor. The manual also illustrates the standard reports and explains how to get the best out of the system.

Manual, 100 pages

SH20-0901

PROJECT MANAGEMENT SYSTEM IV (PMS IV) REPORT PROCESSOR PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5734-XP4

This manual describes the Report Processor, one of the four component processors of PMS IV. It explains what the Report Processor is, how to use it, and how to run it most efficiently. It gives a complete description of all necessary input cards, and contains sample listings of input decks. It gives extensive guidance, with worked examples, toward modifying the Report Processor to obtain precisely the report required.

Manual, 200 pages

GH20-0903

IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) APPLICATION DESCRIPTION, PROGRAM NUMBER 5736-G24

DOS FASTER MT consists of a generalized set of macros and a teleprocessing monitor which aid and simplify the implementation of a teleprocessing system. Terminals supported are 1050, 2740, 2260, and 2265. The DOS FASTER MT System incorporates the capabilities to install inquiry, update, message routing, and data entry applications. The system employs a set of macro instructions that generate the line control, interface, and message processing functions, thereby eliminating the need for detailed knowledge of terminal communications control of BTAM. This capability makes the DOS FASTER MT System adaptable to a wide variety of applications. The system is designed to operate in a minimum 80K partition of a Model 2040G (or larger) System/360 or System/370.

The principal features are described, along with a discussion of the system design. Planning information is given to help determine the applicability of DOS FASTER MT to a particular operational environment.

Manual, 36 pages

GH20-0906

APL/360-OS (5734-XM6), APL/360-DOS (5736-XM6), USER'S MANUAL

This publication provides information necessary to use the APL/360 system. It discusses procedures and equipment required for interacting with the system, how to establish connection between terminal and central computer, how to start and end work sessions, and how to apply system control features. Application of the APL language to user problems is thoroughly discussed, and appendices give both elementary and advanced examples of actual terminal sessions.

Program Product Manual, 160 pages

SH20-0908

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MIXED INTEGER PROGRAMMING (MIP) PROGRAM DESCRIPTION MANUAL  
This manual provides necessary information to process mixed integer linear programming problems using MIP, an optional feature of MPSX. As described in this manual, MIP can be used at either the straightforward, advanced, or sophisticated level, each succeeding level offering the user more capability.

Program Product Description Manual, 164 pages

SH20-0909

DISPLAY MANAGEMENT SYSTEM PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-XC1

An interactive data processing system is one in which decision making rests in the hands of qualified individuals who communicate directly with the computer by means of online devices such as the 2260/65 Display Station. The Display Management System (DMS) is a series of application modules, operating under a supervisor, which greatly simplify to the user the complexities of implementing interactive data processing operations that feature the 2260/65 Display Station. The data entry, update, and inquiry capability offered by DMS makes it possible to implement many new or existing applications in the interactive environment without user programming. By use of three forms provided by DMS the user implements his own applications on a customized basis by describing his data files, designing 2260/65 Display Station images (panels) in the language of his own application, and describing the utility functions that are required. An online work order system, such as might be used in a plant maintenance application, is used throughout as an example of the type of application that can be easily implemented under DMS.

This manual contains detailed information that is intended for the system analyst, programmer, or other personnel responsible for implementation of an online system.

The manual contains a general description of the system, an example of system usage, detailed description of the input/output for which the user is responsible including the three DMS forms, a description of the processing techniques, discussion of the considerations involved in implementation of a customized work order system, and a sample problem. Information on timing, control and audit, modification aids, programming systems usage, and machine configuration is included. A bibliography is also provided.

Program Product Manual, 148 pages

SH20-0910

INFORMATION MANAGEMENT SYSTEM/360, VERSION 2  
SYSTEM/APPLICATION DESIGN GUIDE  
PROGRAM NUMBER 5734-XX6

This manual is a guide for the application analyst or system analyst. Its contents will assist him in the design of an IMS/360 system as well as in the design of the application systems which will run under IMS/360. Program Product Manual, 300 pages

SH20-0911

INFORMATION MANAGEMENT SYSTEM/360, VERSION 2  
SYSTEM PROGRAMMING REFERENCE MANUAL  
PROGRAM NUMBER 5734-XX6

This manual provides system programming personnel with installation considerations and details for generation (definition) of an IMS/360 system for the user's data processing environment. The security maintenance program is included and message editing capabilities discussed. An IMS/360 sample problem is also provided. Program Product Manual, 276 pages

SH20-0912

INFORMATION MANAGEMENT SYSTEM/360, VERSION 2  
APPLICATION PROGRAMMING REFERENCE MANUAL  
PROGRAM NUMBER 5734-XX6

This manual provides the details needed for an application program to be implemented under IMS/360. This manual is directed to the application programming interface (the coding techniques necessary for implementation of a designed application under the IMS/360 control program). The reader should be familiar with the IBM/360 SYSTEM/APPLICATION DESIGN GUIDE (SH20-0910) before reading this document. Program Product Manual, 120 pages

SH20-0913

INFORMATION MANAGEMENT SYSTEM/360, VERSION 2,  
OPERATOR'S REFERENCE MANUAL  
PROGRAM NUMBER 5734-XX6

Information Management System/360 (IMS/360) is a processing program (control system) designed to facilitate the implementation of medium to large common data bases in a multi-application environment. This environment is created to accommodate both on-line message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual provides the operator with the information associated with operating IMS/360 once the system has been established in a user environment. Program Product Manual, 152 pages

SH20-0914

INFORMATION MANAGEMENT SYSTEM/360, VERSION 2,  
MESSAGES AND CODES REFERENCE MANUAL,  
PROGRAM NUMBER 5734-XX6

Information Management System/360 (IMS/360) is a processing program (control system) designed to facilitate the implementation of medium to large common data bases in a multi-application environment. This environment is created to accommodate both on-line message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual lists, explains, and suggests appropriate responses to the completion codes, status codes, and messages produced by the IBM-supplied components of the IMS/360 system. Program Product Manual, 104 pages

SH20-0915

INFORMATION MANAGEMENT SYSTEM/360 VERSION 2  
UTILITIES REFERENCE MANUAL, PROG. NO. 5734-XX6

This manual explains how to execute the IMS/360 utilities programs under Operating System/360. Described are data base description generation and program specification block generation, data base recovery and data base reorganization, and system log analysis. Program Product Manual, 224 pages

SH20-0919

DISPLAY MANAGEMENT SYSTEM OPERATOR'S MANUAL  
PROGRAM NUMBER 5734-XC1

This manual contains information that will enable the user to generate and incorporate the IBM Display Management System into a system for subsequent execution under control of the IBM Customer Information Control System (CICS). Information is included for system maintenance and terminal operation. All offline and online messages are described. Program Product Manual, 44 pages

GH20-0920

CONTROL PROGRAM-67 ONLINE COBOL SYMBOLIC DEBUG  
PROGRAM NUMBER 5799-AAE - APPLICATION DESCRIPTION MANUAL

The Online COBOL Symbolic Debug Program RPQ for COBOL F and ANS COBOL provides an interactive debugging facility for OS/360 COBOL programmers who operate in the virtual machine environment of CP-67. The programming RPQ is

available on special quotation only (see inside front cover). The publication describes the Online COBOL Symbolic Debug system. General design concepts and the interfaces with CP-67, CMS, and OS/360 are discussed. It is assumed that the reader is familiar with the basic concepts of the IBM Control Program-67 (CP-67) and CMS. Both are described in CP-67/CMS System Description Manual, GH20-0802. Programming RPQ Manual, 12 pages

SH20-0921

CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG  
USER'S GUIDE - PROGRAM NUMBER 5799-AAE

This publication describes the facilities of the On-line COBOL Symbolic Debug Program RPQ. This programming RPQ is available on special quotation only (see inside front cover). It is directed to the user of the system and includes all the information necessary to set up and test a COBOL program under On-line COBOL Symbolic Debug. Terminal characteristics, logging procedures, and system messages are also discussed. Programming RPQ, 132 pages

SH20-0922

CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG  
INSTALLATION MANUAL, PROGRAM NUMBER 5799-AAE

This Programming RPQ is designed to allow users of a CP-67 system to debug COBOL programs interactively on a virtual machine which is running OS/360. This programming RPQ is available on special quotation only (see inside front cover).

This publication describes the installation procedures for On-line COBOL Symbolic Debug. For additional information see IBM CP-67 ONLINE COBOL SYMBOLIC DEBUG, OS/360 IN A VIRTUAL MACHINE. Programming RPQ, 52 pages

SH20-0923

CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG  
OPERATING SYSTEM/360 IN A VIRTUAL MACHINE,  
PROGRAM NUMBER 5799-AAE

This document describes characteristics of the operating environment of the programs of the On-line COBOL Symbolic Debug Program RPQ. This programming RPQ is available on special quotation only (see inside front cover).

General guidelines for running OS/360 under CP-67 control are given. Specific information is given for running the programs classed as OS/360 in the On-line COBOL Symbolic Debug Program RPQ. This document is directed toward system programmers, and assumes knowledge of OS/360. Programming RPQ, 40 pages

SH20-0924

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX),  
OPERATIONS MANUAL - PROGRAM NUMBER 5734-XM4

This manual contains information on the preparatory and operating procedures for the Mathematical Programming System Extended (MPSX) and its Mixed Integer Programming (MIP) feature. Program Product, 36 pages

SH20-0925

DATA/360-OS TERMINAL OPERATOR'S GUIDE,  
PROGRAM NUMBER 5734-XS3

DATA/360 is a method for entering data directly into a computer. This manual describes the commands of DATA/360. This manual is intended for those persons entering and verifying data and can be used as both a learning guide and a reference guide.

Technical information pertaining to generating and operating the DATA/360-OS system is found in the DATA/360-OS Console Operator's Guide (SH20-0926), and detailed reference information is in the DATA/360-OS System Manual (LY20-0638). Program Product Manual, 52 pages

SH20-0926

DATA/360-OS CONSOLE OPERATOR'S GUIDE,  
PROGRAM NUMBER 5734-XS3

This manual contains detailed reference information for using the DATA/360-OS system and includes instructions for:

- o Generating the system
- o Building documents on the master file
- o Operating the system
- o Running the utilities
- o Responding to internal messages

It is intended for those persons responsible for generating the system (systems programmers and data entry supervisors) and operating the system (computer operators and scheduler and systems personnel).

Detailed descriptions of the DATA/360-OS files and internals are located in the DATA/360-OS System Manual (LY20-0638). The DATA/360 Terminal Operator's Guide (SH20-0925) describes the IBM 2260 Display Station keyboard and DATA Terminal Operator Language (DATA/TOL) and contains an operator's training guide. Manual, 68 pages

SH20-0932

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) CONTROL LANGUAGE USER'S MANUAL, PROGRAM NUMBER 5734-XM4  
This manual is one of a series of manuals which describe the use of the IBM Mathematical Programming System Extended (MPSX). It is a prerequisite of MPSX LINEAR AND SEPARABLE PROGRAMMING PROGRAM DESCRIPTION MANUAL and assumes that the user is familiar with the INTRODUCTION TO MPSX (GH20-0849) and SYSTEM/360 JOB CONTROL LANGUAGE (GC28-6539). This manual describes the organization of the components of MPSX and their interface with Operating System/360 (OS/360). It also describes in detail the control language used to communicate a solution strategy for solving a mathematical programming problem to MPSX, and the OS/360 job control language statements necessary to execute MPSX. Program Product, 44 pages

GH20-0935

IBM FASHION REPORTER: APPLICATION DESCRIPTION, PROG. NO. 5736-D11  
IBM Fashion Reporter is designed to assist the retail merchant in maintaining accurate inventory records and to provide merchandise operating reports. The reports provided are a stock status, a class/priceline, a style page, and an aging report.  
The user controls the level of detail for stock records and reporting criteria. It is primarily designed for fashion/softgoods merchandise reporting.  
IBM Fashion Reporter Program Number 5736-D11 consists of a group of programs designed for the implementation of this application on IBM System/360 using Disk Operating System (DOS) or on IBM System/370 subject to the compatibility constraints announced for System/370. System/370 support will be concurrent with the availability of the DOS release supporting System/370.  
This Application Description Manual includes a general description of these programs, the machine configuration needed to run them, general system charts, and sample reports. A general discussion of the retail environment is included.  
The manual is intended for use in determining the applicability of this program product and for planning its implementation. The audience includes retail merchandise management and data processing personnel. Application Description Manual, 44 pages

SH20-0936

CONSOLIDATED FUNCTION ORDINARY SYSTEM II (CFO II) PROGRAM DESCRIPTION VOLUME II: POLICY MASTER RECORD CODE BOOK, PROG. NO. 5736-N13  
This preliminary manual contains information for use in advanced planning and implementing Consolidated Functions Ordinary II (CFO II).  
Part I of this manual contains the formats of the input, output, rate file, and miscellaneous CFO II records.  
Part II contains descriptions of customer constants, customer tables, transaction codes, preparation of input and rate file data, and output records. Program Description Manual, 112 pages

SH20-0937

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII) MISCELLANEOUS PROGRAM DATA, PROGRAM DESCRIPTION MANUAL VOLUME III - PROGRAM NUMBER 5736-N13  
Part I of this manual contains the formats of the input, output, rate file, and miscellaneous CFO II records. Part II contains descriptions of customer constants, customer tables, transaction codes, preparation of input and rate file data, and output records. Program Product Manual

SH20-0938

APL/360 - DOS OPERATIONS AND INSTALLATION MANUAL, PROGRAM NUMBER 5736-XM6  
This manual is in three parts.  
Part I gives instructions for operating the APL/360 time-sharing system. Suggestions for good practice in time-sharing and remote-computing operation are included.  
Part II gives instructions for operating the APL/360 Utility programs.  
Part III describes the procedure for incorporating APL into an existing installation. It includes instructions for preparing the HOST system for APL, allocating resources, and restoring the APL distributed library. Common problems encountered during system installation are noted and analyzed. Program Product Manual, 80 pages

SH20-0959

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MESSAGE MANUAL, PROGRAM NUMBER 5734-XM4  
This manual contains the messages generated by the procedures and subroutines of the Mathematical Programming System Extended and its Mixed Integer Programming Feature (MIP). Program Product, 208 pages

SH20-0960

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) READ COMMUNICATIONS FORMAT (READCOMM) PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM4

This manual provides the system user with the information necessary to use the Read Communications Format (READCOMM) feature of MPSX. READCOMM is a subroutine that enables the user to augment MPSX with procedures written in the FORTRAN language.  
This manual assumes that the user is familiar with the INTRODUCTION TO MPSX (GH20-0849), the MPSX CONTROL LANGUAGE USER'S MANUAL (SH20-0932), the MPSX LINEAR AND SEPARABLE PROGRAMMING PROGRAM DESCRIPTION MANUAL and the FORTRAN programming language. Program Product, 44 pages

GH20-0961

BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE, APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XX9  
This program product is designed to allow a user of a DOS or OS bill processor system to implement Information Management System/360 (IMS/360) Version 2 Data Base System with minimal changes to programs accessing bill processor system files. It provides the necessary logic to:  
- Unload the bill processor system files into a format suitable for loading as IMS/360 data bases  
- Load the unloaded bill processor system files as IMS/360 hierarchic direct data bases  
- Interpret bill processor system calls and converts them to IMS/360 calls to perform the same logical function against the data bases  
This manual contains a general description of the programs, the machine configuration, and the general system charts for the program product. It is intended for use in determining the applicability of the program product and in planning for its implementation. The audience includes customer executives, systems analysts, and programmers. Knowledge of the concepts and terminology discussed in the INFORMATION MANAGEMENT SYSTEM/360 VERSION 2 GENERAL INFORMATION MANUAL (GH20-0765) is a prerequisite to an understanding of this manual. Manual, 36 pages

SH20-0963

BASIC COURTS SYSTEM - PROGRAM PRODUCT DESCRIPTION MANUAL PROGRAM PRODUCT 5736-G26  
The Basic Courts System provides judicial administrators with online information relating to calendars, case histories, name indexes, and identification number indexes to assist them in the management of court operations. It is designed to function in criminal and civil courts on general and limited jurisdiction levels.  
As its teleprocessing monitor, the system utilizes either FASTER LC (Program Product number 5736-G22) or DOS FASTER MT (Program Product number 5736-G24). With FASTER LC, the system operates in a 56K problem program partition of a Model 2030F or larger System/360, or a System/370 subject to the compatibility constraints announced for System/370.  
With DOS FASTER MT, the system operates in a 114K problem program partition of a Model 2040G or larger System/360, or a Model 135 GD or larger System/370 subject to the compatibility constraints announced for System/370.  
This manual describes the system's files, programs, and transactions in detail. Installation planning information is also provided. Manual, 176 pages

SH20-0964

BASIC COURTS SYSTEM PROGRAM PRODUCT OPERATIONS MANUAL PROGRAM NUMBER 5736-G26  
The Basic Courts System provides judicial administrators with online calendar, case history, name index, and identification number index information to assist them in the management of court operations. It is designed to function in criminal and civil courts on general and limited jurisdiction levels.  
Basic Courts System utilizes the FASTER LC system (Program Product number 5736-G22) and operates in a 56K problem program partition (which includes FASTER LC) of a Model 2030F or larger System/360, or on a System/370 subject to the compatibility constraints announced for System/370.  
This publication contains a description of the procedures necessary to implement Basic Courts System in a test or online environment. Initialization and maintenance of system files, online program operations, and system messages are discussed along with terminal operations and procedures. Manual, 200 pages

SH20-0968

MPSX LINEAR AND SEPARABLE PROGRAMMING, PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM4  
This manual provides the system user with the information required to prepare input data and control cards and to interpret the system's output. It is a basic reference document for any MPSX user. All procedures are explained. Program Product Manual, 308 pages

GH20-0970

MEDICAL INDUSTRIES BIBLIOGRAPHY

The purpose of this bibliography is to list and categorize IBM application publications that are pertinent to the medical industry.

A periodic Bibliography of Application Publications (BAP) Newsletter is published to keep the bibliography up to date.

Bibliography, 28 pages

routines as needed. The procedures in this library may be applied to the solution of many problems in industry, science, and engineering.

This manual contains sufficient information to permit the reader to understand and use the Procedure Library - Mathematics.

Program Product, 248 pages

SH20-0978

OS CAPACITY PLANNING - INFINITE LOADING,  
OS CAPACITY PLANNING - FINITE LOADING, OPERATIONS MANUAL  
PROGRAM NUMBERS 5734-M53 AND 5734-M54

Capacity Planning consists of programs designed to assist in the implementation of work center loading in manufacturing organizations.

This manual contains information regarding procedures for the preparation and operation of the programs, including sample job control cards for link editing and executing all programs. Also included is a complete list of the messages that can be produced by the programs.

An explanation of the sample problem and the operating procedures are also provided.

The audience for this manual includes operating personnel, systems analysts, and programmers.  
Program Product Manual, 52 pages

SH20-0986

OS SHOP FLOOR CONTROL OPERATIONS MANUAL  
PROGRAM NUMBER 5734-M31

OS Shop Floor Control consists of programs designed to handle planned order release, open-order file maintenance, general information retrieval, and work list preparation. Each application consists of one or more programs. This program product is designed to assist in the implementation of a shop floor control application in manufacturing organizations.

This manual contains information regarding preparatory and operating procedures for the programs. It includes a complete list of the error messages that can be produced by the programs. The audience for this manual includes customer operating personnel, systems analysts, and programmers. The prerequisite for the use of this manual is a knowledge of the Operating System and the Chained File Management System of OS/360 Requirements Planning Manual, 36 pages

SH20-0979

FARE QUOTE/ISSUE TICKET USER'S GUIDE  
PROGRAM NUMBER 5736-T11

This document describes the agent terminal inputs required to automatically price and print, on demand, standard airline tickets based on Passenger Name Record (PNR) information, and the resulting responses.  
Program Product Manual, 27 pages

GH20-0987

COURSEWRITER III, VERSION 3 APPLICATION DESCRIPTION MANUAL  
PROGRAM NUMBERS 5734-E13, 5736-E11

This publication describes the Coursewriter III, Version 3 system. Included are comments on the value, range, and the capabilities of computer-assisted instruction systems in general, as well as descriptive material relating to the computing equipment and programming systems used.  
Program product manual, 64 pages

SH20-0980

TARIFF MAINTENANCE  
USER'S GUIDE, PROGRAM NUMBER 5736-T11

This document describes the process required to create and maintain on-line records for the fare quote and ticketing packages:

- o Input Preparation
- o Error List Interpretation
- o General Process Flow

Program Product Manual, 70 pages

SH20-0988

PROCEDURE LIBRARY - MATHEMATICS (PL-MATH)  
OPERATIONS MANUAL, PROGRAM NUMBER 5734-XM3

This manual provides the user with preparatory and operating procedures for the PL-MATH library.  
Program Product, 24 pages

SH20-0981

FARE QUOTE/TICKETING SYSTEM  
IMPLEMENTATION GUIDE, PROGRAM NUMBER 5736-T11

This document describes the tasks necessary to integrate the Fare Quote/Ticketing package into an existing Programmed Airline Reservation System (PARS) installation.  
Program Product Manual, 57 pages

SH20-0995

MINIPERT PROGRAM DESCRIPTION AND OPERATIONS MANUAL  
PROGRAM NUMBER 5734-XP3

This manual contains detailed information for using the MINIPERT Program Product (5734-XP3).  
Program Product Manual, 124 pages

SH20-0982

TARIFF MAINTENANCE  
OPERATOR'S GUIDE, PROGRAM NUMBER 5736-T11

This manual describes the control cards that must be provided by the programmer for compilation and execution of a program written using 1130 COBOL. Additionally, programming suggestions, techniques, and certain language features and capabilities are described in some detail to assist programmers in understanding compilation execution results. 1130 COBOL is a defined subset of American National Standard COBOL (formerly USA Standard COBOL).  
Program Product Manual, 18 pages

SH20-0997

BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2  
PROGRAM DESCRIPTION MANUAL VOLUME 1: NARRATIVE  
PROGRAM NUMBER 5736-F31

This manual contains a detailed description of the Brokerage Accounting System Elements (BASE) system from the point of view of the user. The BASE system is composed of a number comprehensive foundation for back office data processing applications in today's brokerage firm. Both the overall system and the individual programs are discussed in this volume, together with the production of, and printer layouts for, the more than 75 BASE reports associated with daily security activity.

Application areas covered by BASE include Purchase and Sale (P&S), Stock Record, Dividends, Bookkeeping, Interest, Customer Statements, and such critical Cashier functions as Falls and Transfers. The BASE system is general enough to permit various options and modifications to suit the individual requirements of a particular brokerage firm. However, the processing in the application areas is extensive so that most programs will require little or no modification by the typical brokerage firm.

This manual should be used in conjunction with Volume 2 (SH20-0998), which contains detailed information on the BASE system record layouts.  
Program Product Manual, 360 pages

GH20-0983

ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM  
OPERATING SYSTEM AND 1130 COMPUTING SYSTEM: APPLICATION  
DESCRIPTION, PROG. NOS. 5734-EE1, 5711-EE1

These program products provide engineers and scientists with powerful tools for performing direct current (DC) and transient analysis of linear and nonlinear electrical networks, or analysis of any physical system that may be represented by a network model. The programs provide a simple, user-oriented input language for describing the network components and their interconnections.

A model library feature stores models of commonly used devices and/or circuits for recall in network problems. Through the use of improved analytic and programming techniques, much larger problems can be analyzed and in less time than has heretofore been possible.

This manual contains a general description of the application, the machine configuration requirements, an overall systems chart, and a sample problem which illustrates input and output, and demonstrates the system's capabilities and techniques for problem solving.  
Manual, 36 pages

SH20-0998

BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2  
PROGRAM DESCRIPTION MANUAL VOLUME 2: RECORD LAYOUTS, PROG.  
NO. 5736-F31

This manual is the second of two volumes comprising the Program Description Manual for the Brokerage Accounting System Elements (BASE) system. It contains principally a graphic description of the BASE system file records as produced by the processing programs described in the Program Description Manual, Volume 1 (SH20-0997). A glossary of field names used on the files is also provided.

The BASE system is composed of a number of closely foundation for back office data processing applications in today's brokerage firm. Volume 1 of this manual describes the overall BASE system, the individual processing programs, and the production of, and printer layouts for, the more than 75 BASE reports associated with daily security activity.

Application areas covered by BASE include Purchase and Sale (P&S), Stock Record, Dividends, Bookkeeping, Interest, Customer Statements, and such critical Cashier functions as Falls and Transfers. The BASE system is general enough to

SH20-0985

PROCEDURE LIBRARY - MATHEMATICS (PL-MATH)  
PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM3

The Procedure Library - Mathematics (PL-MATH) is a collection of mathematical procedures written in the PL/I language. It consists of input/output-free computational building blocks, written completely in PL/I, which may be combined with a user's input, output, or computational

permit various options and modifications to suit the individual requirements of a particular brokerage firm. However, the processing in the application areas is extensive so that most programs will require little or no modification by the typical brokerage firm. Program Product Manual, 296 pages

SH20-0999

BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2 OPERATIONS MANUAL, PROG. NO. 5736-F31

This manual contains information on the generation and operation of the Brokerage Accounting System Elements (BASE) system. It is intended to be read in conjunction with the other documentation on the BASE system.

The BASE system comprises a number of closely inter-related programs that provide a comprehensive foundation for back office data processing applications in today's brokerage firm. Application areas covered by BASE include Purchase and Sales (P&S), Stock Record, Dividends, Book-keeping, Interest, Customer Statements, and such critical Cashier functions as Fails and Transfers. The BASE system is general enough to permit various options and modifications to suit the individual requirements of a particular brokerage firm. However, the processing in the application areas is extensive so that most programs will require little or no modification by the typical brokerage firm.

The manual contains information that the user must take into account before doing a system generation for BASE. It also contains operational information for BASE system generation and daily operating procedures. A glossary and a sample problem are included at the end of the manual. Program Product Manual, 372 pages

GH20-1002

BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC INSTITUTIONS - GENERAL INFORMATION MANUAL PROGRAM NUMBER 5736-G25

BASIC performs budget preparation and appropriation accounting applications for public institutions. This general information manual describes (1) the purpose, extent of coverage, and advantages offered by this program product; (2) the budget preparation and appropriation accounting features that have been implemented; (3) source data entry; (4) control and audit procedures; (5) data processing facilities; and (6) installation planning considerations. It provides customer executives, systems analysts, and programmers with the basic information they need regarding this program product. Manual, 104 pages

SH20-1007

INFORMATION MANAGEMENT SYSTEM/360 VERSION 2 MASTER INDEX PROGRAM NUMBER 5734-XX6

This is a consolidated alphabetic index to all the documents in the set of eleven IMS/360 Version 2 manuals. The titles of the individual manuals, along with abbreviated titles and order numbers, are as follows:  
General Information Manual - GIM (GH20-0765)

System/Application Design Guide - SADG (SH20-0910)

Application Programming Reference Manual - APRM (SH20-0912)

System Programming Reference Manual - SPRM (SH20-0911)

Operator's Reference Manual OPRM (SH20-0913)

Utilities Reference Manual - UTRM (SH20-0915)

Messages and Codes Reference Manual - M & C (SH20-0914)

System Manual, Volume I - Text - SM (LY20-0629)

System Manual, Volume II - Flowcharts - SM-II (LY20-0630)

System Manual, Volume III - DP Microfiche - SM III (LYB0-0631)

System Manual, Volume IV - DC Microfiche - SM-IV (LYB0-0632)

The reader's attention is called to the fact that many of the commas in the index are used in the SORT program and do not necessarily indicate a reversal of word sequence. Program Product Manual, 60 pages

GH20-1008

CHECK PROCESSING CONTROL SYSTEM (CPCS) & CPCS/3890 FEATURE: GENERAL INFORMATION MANUAL - PROG. PROD. 5734-F11

The IBM Check Processing Control System (CPCS) is designed to perform the processing functions associated with entry, distribution, and control of Magnetic Ink Character Recognition documents in commercial or Federal Reserve banks. Advanced check processing techniques are used to provide a system accommodating a wide range of check-handling requirements. Control of data is maintained from the primary pass of items through preparation of cash letters and skill lists. A powerful data base facility permits user extension into related application areas such as proof of deposit and float analysis.

This publication describes the features of the IBM Check Processing Control System and is designed to give the reader an overall familiarity with the system without reference to program detail.

Manual, 40 pages

SH20-1009

COURSEWRITER III, VERSION 3 AUTHOR'S GUIDE - OPERATING SYSTEM AND DISK OPERATING SYSTEM PROGRAM NUMBERS 5734-E13, 5736-E11

This publication describes the Coursewriter III, Version 3 language from an author's viewpoint. The language and author commands are presented in detail. Included with the description of each operation code and author command are examples of their use and possible error messages. Conversational sequences between computer and author are included for further assistance. Additional course facilities are also described, and examples of their use are given.

The reader with no prior Coursewriter III language experience is referred to Coursewriter III, Version 3 Student Text (GC20-1744). This publication is intended for use as a reference manual.

Experience with computers is not required to understand the information in this publication. However, new authors should receive instruction in the use of the terminal they are using before preparing course material.

Operational characteristics of all Coursewriter III, Version 3 terminals are contained in Coursewriter III, Version 3 Student/Monitor User's Guide (SH20-1010). Program product manual, 68 pages

SH20-1010

COURSEWRITER III, VERSION 3 STUDENT/MONITOR USER'S GUIDE OPERATING SYSTEM AND DISK OPERATING SYSTEM PROGRAM NUMBERS 5734-E13, 5736-E11

This publication describes Coursewriter III, Version 3, terminals as used with the Coursewriter III system.

The publication contains necessary information for the student and monitor to use the terminals to receive course material from the computer and to monitor results. Also described are the standard terminal features and operation. Program product manual, 36 pages

SH20-1011

COURSEWRITER III, VERSION 3 SUPERVISOR'S GUIDE OPERATING SYSTEM AND DISK OPERATING SYSTEM PROGRAM NUMBERS 5734-E13, 5736-E11

This publication describes operations to be performed by the Coursewriter III System supervisor. These include:

- o An introduction section describing supervisor operations
- o Complete descriptions of all supervisor commands including examples and command sequences
- o An IBM terminal code table

The publication is intended for use as a reference manual and assumes prior Coursewriter III knowledge. Program product manual, 48 pages

SH20-1012

COURSEWRITER III, VERSION 3 OPERATOR'S GUIDE DISK OPERATING SYSTEM - PROGRAM NUMBERS 5736-E11

This publication describes operations to be performed by the Coursewriter III System console operator. These include:

- o A brief section on system components with a sample machine configuration
- o A detailed step-by-step procedure to prepare the Coursewriter III, Version 3 System
- o IBM terminal line code and EBCDIC tables

Prior knowledge of Disk Operating System and Basic Telecommunications Access Method operating procedures is assumed.

Program product manual, 36 pages

SH20-1015

ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM OPERATING SYSTEM AND 1130 COMPUTING SYSTEM PROGRAM DESCRIPTION MANUAL, PROG. NOS. 5734-EE1, 5711-EE1

ECAP II is an IBM program which performs DC and transient analysis of linear and nonlinear electronic circuits. It provides a user-oriented input language that permits a circuit designer to describe a circuit using familiar electrical terminology.

This manual is intended for the program user (circuit designer). It contains a general description of the program's capabilities and a detailed description of the input language. A description of the mathematical techniques employed by the program is provided in the appendix. Program product manual, 164 pages

SH20-1016

CONSOLIDATED FUNCTIONS ORDINARY II SYSTEM (CFOII) OPERATIONS MANUAL - PROGRAM NUMBER 5736-N13

This manual presents the information required to set up the Consolidated Functions Ordinary II (CFO II) system and to execute the CFO II programs. This system operates under (1) the IBM System/360 Model 20 TPS (Tape Programming System), (2) IBM System/360 Model 20 DPS (Disk Programming System), (3) IBM System/360 DOS (Disk Operating System), (4) IBM System/360 OS (Operating System), or (5) Compatible System/370's. The CFO II programs are presented in the suggested running sequence. Suggestions for integrating user programs with CFO II are also made. The information applicable to all CFO II programs is presented once at the

beginning of this manual. Following that information is a control card description, and console operating, message, error, restart, and external control information for each CFO II program under TPS/DPS, DOS, and OS. Operating instructions for the CFO II maintenance utility program are also in this manual.  
Program Product Manual, 148 pages

include instructional messages, flexible control of calculations, extensive error checking, and data editing.

This manual provides an overview of STAT/BASIC, describing the program features, usage, maximum problem sizes, precision, timing, system requirements, and customer responsibilities. It also includes a sample problem to illustrate the use of STAT/BASIC.  
Manual, 40 pages

## SH20-1017

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII)  
UTILITY PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBER 5736-N13

The CFO II maintenance utility program maintains CFO II source programs and CFO II macros on tape. This program is written entirely in Assembler Language.

The CFO II conversion utility program reformats data tapes processed by '62 CFO to the format processed by CFO II. This program is written entirely in DOS Assembler Language.

Program Product Manual, 44 pages

## GH20-1028

CUSTOMER INFORMATION CONTROL SYSTEM (CICS) DOS-ENTRY  
(CICS/DOSE) DOS-STANDARD (CICS/DOSS) OS-STANDARD V2  
(CICS/OS) GENERAL INFORMATION MANUAL  
PROGRAM NUMBERS 5734-XX7, 5736-XX6, 5736-XX7

The IBM Customer Information Control System (CICS) is a Transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user-written application programs. Applicable to most online systems, CICS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational data entry.

CICS is available in three systems--two for DOS users and one for OS USERS. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it is possible to start with a small DOS data base/data communication configuration and move up through DOS into OS.

This manual is designed for persons interested in a general description of CICS and its data base/data communication capabilities.  
Manual, 84 pages

## GH20-1021

OS/MVT WITH RESOURCE SECURITY INSTALLATION AND SYSTEM  
PROGRAMMERS GUIDE - PROGRAM NUMBER 360A-SV-007

This publication contains information relating to the installation of the IBM Resource Security System (RSS) with OS/360 MVT and methods necessary to interface RSS to a terminal environment.

Additional information is provided to aid the System Programmer in performing those services which might be requested by the Security Office.

Type I Extension Program Publication Manual, 168 pages

## SH20-1022

COURSEWRITER III/OS VERSION 3 - OPERATOR'S GUIDE  
PROGRAM NUMBER 5734-E13

This publication describes operations to be performed by the Coursewriter III System console operator. These include:

1. A brief section on system components with a sample machine configuration.
2. A detailed step-by-step procedure to prepare and install the coursewriter III, Version 3 System.
3. Job control language example sequences. The notation used in these sequences may require change to accommodate the user's installation. Refer to IBM System/360 Operating System Job Control Language Reference (GC28-6704).
4. Code table for terminals.

Prior knowledge of Operating System and Basic Telecommunications Access Method operating procedures is assumed.

Manual, 40 pages

## GH20-1029

CP-67/CMS VERSION 3.1: OPERATING SYSTEMS IN A VIRTUAL  
MACHINE, PROG. NO. 360D-05.2.005

General guidelines for running S/360 operating systems under CP-67 are discussed in this manual. The main orientation is toward OS/360, although some other systems characteristics the CP-67 utility programs MINIDAS and SAVEOS.

This document is directed toward system programmers, and assumes knowledge of OS/360 as well as CP-67/CMS.  
Manual, 48 pages

## SH20-1030

IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)  
PROGRAM DESCRIPTION MANUAL, VOLUME 1: SYSTEM OVERVIEW  
AND CONTROL - PROGRAM PRODUCT MANUAL  
PROGRAM NUMBER 5734-XX1

The IBM Generalized Information System, Version 2, abbreviated GIS/2, consists of an integrated set of programs to provide general-purpose information handling. User input statements initiate and direct the system functions of creating, querying, and maintaining formatted data files variously structured. GIS routines are completely coded in the Assembler Language and operate under the overall control of OS with MFT or MVT.

This manual is presented in three volumes, the first of which describes the GIS monitor program and the capabilities associated with it. Data Description (file definition) facilities and Procedural Language facilities are specified in Volumes 2 and 3, respectively.  
Program Product Manual, 40 pages

## SH20-1024

CONSOLIDATED FUNCTIONS ORDINARY II (CFO II)  
PROGRAM DESCRIPTION MANUAL - VOLUME I  
PROCESSING DESCRIPTION - PROGRAM NUMBER 5736-N13

The purpose of this manual is to provide sufficient information to enable the user to understand the concepts, input, output, and processing of the Consolidated Functions Ordinary II (CFO II) system.

The CFO II system represents a successfully proven information systems approach to the maintenance, processing, and servicing of individual life insurance contracts. This manual provides the information required to understand the functions of CFO II and considerations for its implementation. It is also designed to serve as a guide to the user of other CFO II documentation.

Processing Description, Volume I of the program description manual, contains a system-oriented description of CFO II and serves as an installation guide. Volume II, the Policy Master Record Code Book, contains a detailed description of the contents of the policy master record. Volume III, Miscellaneous Program Data, contains formats and descriptions of frequently used input and output records and associated rate files.

Program Product Description Manual, 160 pages

## SH20-1025

ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM  
OPERATING SYSTEM - OPERATIONS MANUAL  
PROGRAM NUMBER 5734-EE1

This manual contains procedures for installing and operating the Electronic Circuit Analysis Program II (ECAP II). In addition, instructions are given for adding user-written subprograms, and diagnostic messages are explained.  
Program product manual, 108 pages

## GH20-1027

STAT/BASIC FOR SYSTEM/3 AND ITF - GENERAL INFORMATION MANUAL  
PROGRAM NUMBERS 5703-KA1, 5734-KA3

STAT/BASIC is a comprehensive set of interactive statistical programs for System/3 Model 6 and ITF (DOS, OS, or TSO). It consists of 40 BASIC programs, providing the user with procedures for data generation, elementary statistics, regression and correlation analysis, multivariate analysis, analysis of variance, nonparametric statistics, time series analysis, and biostatistics. The interactive features

## GH20-1031

IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY  
TECHNIQUES FOR EASTER RETRIEVAL - MULTITHREAD (OS FASTER MT)  
GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-G21

OS FASTER MT is a generalized set of macros and a teleprocessing monitor which aid in and simplify the implementation of a teleprocessing system. Terminals supported are IBM 1050, 2740, 2260R, and 2265. The system incorporates facilities for installing inquiry, update, message routing, and data entry applications. OS FASTER MT employs a set of macro instructions that generate the line thereby eliminating the need for a detailed knowledge of BTAM. This macro-instruction capability makes the system adaptable to a wide variety of applications. The program is designed to operate in a minimum main storage allocation of 120K bytes on a Model 40GF or larger System/360, or on a Model 135GF or larger System/370.

The principal features are described, along with a discussion of the system design. Planning information is provided to assist in determining the applicability of OS FASTER MT to any particular operational environment.  
Program Product Manual, 40 pages

## SH20-1032

IBM GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2)  
OPERATIONS MANUAL - PROGRAM NUMBER 5734-XX1

This manual addresses Operations personnel intending to run the Generalized Information System, Version 2 (GIS/2), under the Operating System with Multiprogramming with a Fixed Number of Tasks or Multiprogramming with a Variable Number of Tasks. Contents include SYSGEN procedures, execution procedures, and diagnostic messages available to the system user.

Program Product Manual, 160 pages



SH20-1033

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)  
VOLUME 3, PROCEDURAL LANGUAGE - PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBER 5734-XX1

This manual describes the executive-information handling capabilities of statements written in the procedural language of the Generalized Information System, Version 2 Generic statement formats, examples, and detailed constraints specify the syntax and use of the various task statements.

Although the abbreviated title GIS/2 refers formally to version 2 of an earlier GIS release, the expressions GIS and GIS/2 are synonymous as they may appear herein. Program Product Manual, 148 pages

SH20-1034

CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATIONS  
GUIDE - PROGRAM NUMBERS DOS-ENTRY 5736-XX6 DOS-STANDARD  
5736-XX7

The IBM Customer Information Control System (CICS) is a highly responsive, transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user-written application programs. In addition to the functions required for inquiry and conversational data entry, this open-ended, table-controlled, event-driven system provides many of the facilities necessary for standard terminal applications such as message switching, broadcasting, data collection, and order distribution.

CICS is available in three systems--two for DOS users and one for OS users. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it is possible to start with a small data base/data communication configuration and move up through DOS into OS.

This manual provides information of interest to persons responsible for the definition, preparation, and execution of CICS. Included is the information necessary to generate and operate CICS. Manual, 80 pages

GH20-1035

PLANNING SYSTEM GENERATOR II (PSGII) GENERAL INFORMATION  
MANUAL PROGRAM NUMBER 5734-XT1

Planning Systems Generator II (PSGII) gives the user the means to rapidly produce and evaluate a variety of financial plans. It offers the user a simple method for organizing planning data, establishing computational logic to be applied to the data, and for generating data displays and reports.

PSG II may be applied to the solution of planning problems for financial management and also for any division or department of a company with a planning function (such as, personnel or manpower allocations, marketing projections, short-range budgeting, etc.).

This manual contains an introduction to RSG II, as well as a discussion of PSG II capabilities, usage, required systems, reference material, and a sample problem. The PSG II OS and the PSG II DOS programs have virtually the same capabilities. The minimum partition size requirement has been reduced from 130K in the OS program to 100K in the DOS program. In order to achieve this reduction for the DOS program, it was necessary to reduce the number of data lines that can be processed. Also, some facilities of the OS program were deleted or modified for the DOS program. Program Product Manual, 24 pages

GH20-1039

SECURITIES ORDER MATCHING GENERAL INFORMATION MANUAL  
PROGRAM NUMBER 5734-F32

The Securities Order Matching program product provides the brokerage industry System/360 or System/370 user with on-line, automatic recording and matching of most security orders and executions. In addition, off-line processing functions generate input to purchases and sales (P&S) accounting systems and order room, branch office, stock exchange floor, and customer reports.

Securities Order Matching operates with the IBM program product, Telecommunications Control System (TCS), under the full Operating System (OS) in a multiprogramming environment. Its flexibility facilitates the addition of user routines and/or programs to tailor the system to individual requirements.

This manual describes the purpose and functions of Securities Order Matching. Program Documentation, 40 pages

SH20-1040

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) VOLUME 2:  
DATA DESCRIPTION LANGUAGE - PROGRAM DESCRIPTION MANUAL  
PROGRAM NUMBER 5734-XX1

This volume specifies the format and content of computer input statements defining data files to be processed. Data description language facilities are discussed in a sequence generally corresponding to a system user's need for those facilities. Descriptive language statements are illustrated as input lines in keyword format representative of punched-card fields. Program Product Manual, 148 pages

SH20-1041

PLANNING SYSTEMS GENERATOR II (PSG II)  
OPERATIONS MANUAL - PROGRAM NUMBER 5734-XT1

Planning Systems Generator II (PSG II) gives the user the plans. It offers the user a simple method for organizing planning data, establishing computational logic to be applied to the data, and for generating data displays and reports.

PSG II may be applied to the solution of planning problems for financial management and also for any division or department of a company with a planning function such as personnel or manpower allocations, marketing projections, short-range budgeting, etc.

This Operations Guide provides the information needed to install and operate PSG II. Manual, 36 pages

SH20-1042

PLANNING SYSTEMS GENERATOR II (PSG II) PROGRAM REFERENCE  
MANUAL - PROGRAM NUMBER 5734-XT1

Planning Systems Generator II (PSG II) gives the user the means to rapidly produce and evaluate a variety of financial plans. It offers a simple method for organizing planning data, for establishing computational logic to be applied to the data, and for generating displays and reports.

PSG II may be applied to the solution of planning problems for financial management and also for any division or department of a company with planning responsibilities such as personnel or manpower allocations, marketing projections, short-term budgeting, etc.

This manual describes the functions provided by PSG II and explains their use. It also includes information for writing planning logic programs in the FORTRAN programming language. A more detailed description of FORTRAN may be found in the IBM Programmed Instruction Texts, FORTRAN IV for IBM System/360 (R29-0080 through R29-0087). Program Product Manual, 144 pages

SH20-1043

CUSTOMER INFORMATION CONTROL SYSTEM (CICS) SYSTEM  
PROGRAMMER'S REFERENCE MANUAL PROGRAM NUMBERS  
DOS-ENTRY 5736-XX6, DOS-STANDARD 5736-XX7,  
OS-STANDARD V2 5734-XX7

The IBM Customer Information Control System (CICS) is a transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user-written application programs. Applicable to most on-line systems, CICS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational data entry.

CICS is available in three systems--two for DOS users and one for OS users. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it is possible to start with a small data base/data communication configuration and move up through DOS into OS.

This manual provides information essential for persons who have the responsibility to define, prepare, and administer CICS in the environment it supports. Manual, 220 pages

SH20-1044

CUSTOMER INFORMATION CONTROL SYSTEM (CICS) TERMINAL  
OPERATOR'S GUIDE - PROGRAM NUMBERS DOS-ENTRY 5736-XX6,  
DOS-STANDARD 5736-XX7, OS-STANDARD V2 5734-XX7

The IBM Customer Information Control System (CICS) is a transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user-written application programs. Applicable to most on-line systems, CICS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational data entry.

CICS is available in three systems--two for DOS users and one for OS users. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it is possible to start with a small data base/data communications configuration and move up through DOS into OS.

This manual provides information of interest to persons involved with terminal operation. These persons include terminal operators, terminal supervisors, master terminal operators, application programmers, system programmers, and system administration. Manual, 52 pages

SH20-1047

CUSTOMER INFORMATION CONTROL SYSTEM DOS - ENTRY (CIS  
DOS - STANDARD (CICS/DOSS) OS - STANDARD VERSION 2 (CICS/OS)  
APPLICATION PROGRAMMER'S REFERENCE MANUAL  
PROGRAM NUMBERS 5736-XX6, 5736-XX7, 5734-XX7

The IBM Customer Information Control System (CICS) is a transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user-written application programs. Applicable to most online systems, CICS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational data entry.

CICS is available in three systems--two for DOS users and one for OS users. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it communication configuration and move up through DOS into OS.

This manual provides information of interest to persons defining, designing, and preparing application programs to execute under CICS.  
Program product manual, 184 pages

Operations Manual, 41 pages

## SH20-1048

CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATING SYSTEM STANDARD VERSION 2 OPERATIONS GUIDE  
PROGRAM NUMBER 5734-XX7

The IBM Customer Information Control System (CICS) is a transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user written application programs. In addition to the functions required for inquiry and conversational data entry, this open-ended, table-controlled, event-driven system provides many of the facilities necessary for standard terminal applications such as message switching, broadcasting, data collection, and order distribution.

CICS is available in three systems - two for DOS users and one for OS users. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it is possible to start with a small data base/data communication configuration and move up through DOS into OS.

This manual provides information of interest to persons responsible for the definition, preparation, and execution of CICS. Included is the information necessary to generate and operate CICS.  
Manual, 52 pages

## SH20-1051

IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD  
(DOS FASTER MT) PROGRAM DESCRIPTION  
PROGRAM NUMBER 5736-G24

FASTER MT is a programming system for retrieving data from indexed-sequential and direct access files, and for maintaining such files by means of remote or local terminal devices. The system procedures are adaptable to a wide variety of applications. FASTER MT incorporates a macro-language which provides for writing message-processing programs on a functional level.

Through use of the Basic Telecommunications Access Method, FASTER MT provides line control to support a communication network consisting of combinations of IBM 1050 and IBM 2740-1 or 2740-2 typewriter terminals, and the IBM 2260/2265 display terminals.

FASTER MT operates as a standard multitasking job in a single partition under DOS, using a minimum of 80K bytes, on a System/360 or System/370.

This manual describes the FASTER MT system environment and components. Included are detailed macro instruction descriptions and user considerations concerning backup/recovery, hardware, and documentation aids.  
Program Product Manual, 282 pages

## SH20-1052

IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD  
(DOS FASTER MT) OPERATIONS MANUAL - PROGRAM NUMBER 5736-G24

This publication contains a description of the procedures necessary to implement FASTER MT in a test or online environment. Initialization of system files, linkage editing options, and system messages are discussed in addition to the maintenance transaction, which is included with the program.

Program Product Manual, 48 pages

## SH20-1053

IBM FASHION REPORTER, PROGRAM DESCRIPTION MANUAL,  
PROGRAM NUMBER 5736-D11

IBM Fashion Reporter is designed to assist the retail merchant in maintaining accurate inventory records and producing basic merchandising reports. The reports produced are (1) stock status, (2) style page, (3) class/priceline, and (4) aging.

The user controls the level of detail for the stock records and the reporting criteria. This program product (5736-D11) is intended primarily for fashion/softgoods merchandise reporting.

IBM Fashion Reporter consists of a group of programs for implementation on the IBM System/360 using the Disk Operating System or on a System/370 subject to the compatibility constraints announced for the System/370.

This program description manual includes a general description of the programs, machine configuration, general system charts, and sample reports. A general discussion of the retail environment is included. The manual is intended for use in planning for and implementing this program product. The audience includes retail merchandise management and data processing personnel.  
Program Description Manual, 196 pages

## SH20-1054

IBM FASHION REPORTER, OPERATIONS MANUAL  
PROGRAM NUMBER 5736-D11

This operations manual provides instructions and guidance for operating the programs in the IBM Fashion Reporter. The major components of the manual describe (1) preparatory information and procedures, (2) operations, and (3) retrieving the programs from the distribution tape, initializing the system, and running the sample problem.

## GH20-1057

OS/MVT WITH RESOURCE SECURITY, SECURITY OFFICER'S GUIDE  
PROGRAM NUMBER 360A-SV-007

This publication describes the functions of a security officer in interfacing with the Resource Security System, a modularized extension of the IBM OS/MVT.

The Resource Security System monitors the users of the system, terminals, programs, volumes, and data sets to which they require access during the execution of their jobs.

The manual has four sections. The first contains the general concepts of the Security Officer Commands; the second describes how the Security System is installed and used; the third contains command descriptions; and the fourth lists messages and completion codes for the system.  
Type I Extension Program Manual, 212 pages

## GH20-1058

RESOURCE SECURITY (FOR OS/MVT)-GENERAL INFORMATION AND PLANNING MANUAL, PROG. NO. 360A-SV-007

This manual describes the Resource Security feature to Operating System/360-MVT. The feature has been developed to provide an improved capability for the protection of information stored in and processed by computers. In addition to descriptive information of a general nature, this manual provides an overview of the installation process to aid the planning for Resource Security.

Type I Extension Program Publication Manual, 36 pages

## GH20-1066

PROBLEM LANGUAGE ANALYZER (PLAN) PROGRAM REFERENCE MANUAL  
PROGRAM NUMBERS 1130-CX-25X, 360A-CX-27X

This system provides users with application development support in the areas of:

- o User-oriented language processing
- o Dynamic job supervision
- o Diagnostic control and generation
- o Input/output control
- o Utility functions

A small subset of the PLAN system may be utilized to provide elementary development support. Subsets may be added on an incremental basis as needed until comprehensive use of the system is attained.

This manual is intended to provide rules for use of the system and technical specifications defining the scope of applicability. It is intended to serve as a user's and implementer's reference. Requirements are specified. Use of all other components is to be considered optional.  
Application Program Bulletin Manual, 200 pages

## SH20-1067

SYSTEM/360 OPERATING SYSTEM REQUIREMENTS PLANNING EXTENSIONS (PROGRAMMING RQ EA6264) - PROGRAM DESCRIPTION AND OPERATIONS MANUAL - PROGRAM NUMBER 5799-AA7

The OS Requirements Planning Extensions are a modification to the OS/360 Requirements Planning program product (5734-M51). The extensions add capabilities and improve the performance of the program product.

This manual contains the description of the Requirements Planning Extensions. It includes:

1. A discussion of the extensions
2. A description of the input/output files
3. Detailed discussions of the macros
4. Preparatory and operating procedures for the programs

The audience for this manual includes systems analysts and programmers.

Programming RQ (Program Product) Manual, 64 pages

## SH20-1069

STAT/BASIC FOR SYSTEM/3 AND INTERACTIVE TERMINAL FACILITY  
PROGRAM REFERENCE - PROGRAM NUMBERS 5703-XA1, 5734-XA3

STAT/BASIC is a comprehensive set of interactive statistical programs for System/3 Model 6 and ITF. It consists of 40 BASIC programs, providing the user with procedures for data generation, elementary statistics, regression and correlation analysis, multivariate analysis, analysis of variance, non-parametric statistics, time series analysis, and biostatistics. The interactive features include instructional messages, flexible control of calculations, extensive error checking, and data editing.

This manual provides the details of the STAT/BASIC programs. It covers scope and characteristics, processing descriptions, terminal operation, input/output description, program description, system requirements, and program modification aids.

In this manual, ITF refers to DOS-ITF, OS-ITF, and TSO-ITF.  
Manual, 220 pages

## SH20-1070

STAT/BASIC FOR INTERACTIVE TERMINAL FACILITY OPERATIONS GUID  
PROGRAM NUMBER 5734-XA3

This manual provides the information needed to generate, run, and maintain STAT/BASIC.

Program Product Manual, 20 pages

GH20-1074

INTERACTIVE QUERY FACILITY (IQF) FOR IMS/360 VERSION 2  
PROGRAM NUMBER 5734-XX6 - GENERAL INFORMATION MANUAL  
The Interactive Query Facility (IQF) is provided as a feature for users of the IBM Information Management System (IMS/360) Version 2, Program Product 5734-XX6. IQF offers the capability for spontaneous online query capability, and retrieval and display of data maintained within IMS/360 teleprocessing data bases. IQF runs as a standard IMS/360 application program under IMS/360 Version 2 and uses standard IMS/360 resources for describing data, accessing data, and communicating with the user's terminal.

This manual provides a general description of IQF and its various facilities and programs, describes the IQF query language and the required IQF-IMS/360 machine configurations, and includes sample applications (examples of terminal queries that a user might employ).

IQF operates with all System/360 and System/370 computers supported by IMS/360 version 2. All references to IMS/360 Version 2 in this manual assume Modification Level 1 or higher, with the full Data Base/Data Communication System.

This manual has been prepared for both data processing and non-data processing management and personnel. Knowledge of the information contained in the MIS/360 Version 2 General Information Manual (GH20-0765) will be helpful in understanding the relationship of IQF to IMS.  
Program Product Manual, 54 pages

Manual, 44 pages

SH20-1081

FARE QUOTE/TICKETING STUDENT STUDY GUIDE  
PROGRAM NUMBER 5736-T11

This manual is intended to be used as a learning tool by anyone interested in acquiring an understanding of the Fare Quote/Ticketing Program Product.  
Guide, 108 pages

SH20-1089

AN APL TEXT EDITOR AND COMPOSER - IUP 5796-PAC,  
DESCRIPTION/OPERATIONS

This manual contains directions for the use of this system. It includes a general description of the procedures required, narrative description of each of the steps, summary tables for reference, and illustrations reproducing both the instruction that a user might employ and the results that such instructions would produce.

This manual is intended for use by a wide range of users, including both the authors of papers or letters who may employ the system as a partial substitute for secretarial services, and secretaries or other general users without experience in computing. It is written in non-technical language requiring no familiarity at all with the APL programming language, and only minimal familiarity with the APL/360 time-sharing system.  
Program Description/Operations Manual, 91 pages

SH20-1075

BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE  
PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XX9

This program product generates programs that convert bill processor system files to Information Management System/360 (IMS/360) Version 2 (5734-XX6) Data Base System, and that allow use of existing programs, with little or no modification, to access the converted data bases. The system provides elements to perform the following functions:

- o Unload the bill processor system files into a format suitable for loading as IMS/360 data bases.
- o Load the unloaded bill processor system files as IMS/360 hierarchic direct data bases.
- o Permit access to the IMS/360 data bases from existing bill processor system programs. Existing programs may be reimplemented with little or no modification.

Bill Processor Systems - IMS/360 Bridge supports migrations from System/360 Bill of Material Processor (360A-ME-06X), System/360 Data Base Organization and Maintenance Processor (5736-XX4), and Chained File Management System of OS/360 Requirements Planning (5734-M51).

This manual contains both a general and detailed description of the elements of this program product. Input and output to the programs are described in detail. Execution of the sample problem is explained.

The purpose of this manual is to provide sufficient information to enable the user to completely understand the functions of the system and of the programs constituting the system, and to prepare for and install the system. The reader should be familiar with the Bill Processor System - IMS/360 Bridge Application Description Manual (GH20-0961). Knowledge of the concepts and terminology discussed in the Information Management System/360 Version 2 General Information Manual (GH20-0765) is a prerequisite to an understanding of this manual.  
Program Product Manual, 80 pages

SH20-1092

APL/PDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM (PDTS):  
PROGRAM DESCRIPTION/OPERATIONS MANUAL IUP PROG #5796-PAD

This 64 page document describes the capabilities of the IUP and the programs of the APL/PDTS Programming Development Tracking System - PDTS. Written in APL 360 OS/DOS, this system was developed to provide data to assist the user in tracking project schedules, costs and in making comparative analysis with minimal user interaction. It operates on the principle that the distribution of resource utilization or expenditure often follows an observed pattern with respect to time.

This Program Description/Operations Manual provides the user with sufficient information to understand, install and successfully use the program.  
Program Description/Operations Manual, 64 pages

SH20-1094

FLIGHT DATA DISPLAY SYSTEM INSTALLATION GUIDE  
PROGRAM NUMBER 5796-PAE

This manual provides a procedure to install the Flight Data Display System in a PARS (Programmed Airline Reservation System) environment.  
Guide, 20 pages

SH20-1095

FLIGHT DATA DISPLAY SYSTEM OPERATORS MANUAL  
PROGRAM NUMBER 5796-PAE

This manual describes the job control and steps required to provide the non-real-time functions of the Flight Data Display System. It is intended to be a supplement to an Airline's operating procedures.  
Guide, 18 pages

SH20-1076

BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE, OPERATIONS  
MANUAL - PROGRAM NUMBER 5734-XX9

The Bill Processor Systems - IMS/360 Bridge consists of the programs necessary to convert bill processor system files to IMS/360 data bases and to access the converted data bases. The elements which make up the Bill Processor Systems - IMS/360 Bridge are as follows: the descriptor generator, the conversion generator, the unload module general source code, the load program general source code, the interface generator and the interface module general source code.

Bill Processor Systems - IMS/360 Bridge supports migrations from System/360 Bill of Material Processor (360A-ME-06X), System/360 Data Base Organization and Maintenance Processor (5736-XX4), and Chained File Management System of OS/360 Requirements Planning (5734-M51).

This manual contains the job control language and operating instructions required to perform the following functions of the Bill Processor Systems IMS/360 Bridge:

- o Creation of the descriptor file, the DBDGEN utility control statements, and the file description report.
- o Generation of the unload modules, load programs, and PSBGEN utility control statements required for conversion of the bill processor system files to IMS/360 data bases.
- o Execution of the programs to unload the bill processor system files to IMS/360 hierarchic sequential data bases.
- o Execution of the IMS/360 utilities and load programs to create the IMS/360 hierarchic direct data bases.
- o Generation of the interface modules required by the existing bill processor system programs to access the IMS/360 data bases.
- o Execution of the bill processor system programs under IMS/360.

SH20-1096

FLIGHT DATA DISPLAY SYSTEM USERS GUIDE  
PROGRAM NUMBER 5796-PAE

This manual provides a guide to an agent using the Flight Data Display System. It is intended to serve as an adjunct to an Airline's operating and procedures manual.  
Guide, 32 pages

SH20-1101

LOADFLOW PLOTTING SYSTEM, VARIBUS CORP. A GULF STATES  
UTILITY COMPANY SUBSIDIARY - PROGRAM DESCRIPTION/OPERATIONS  
MANUAL - IUP NUMBER 5796-AAF

No abstract available.  
Manual, 64 pages

SH20-1103

S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING  
MUSIC RELEASE II PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP  
NUMBER 5796-AAT

A new release of the MUSIC Timesharing System is now available. It contains system support for S/370 Models 125, 158, 165 and 168, including 3330/3333 Model II, 3704/3705, enhancements to BASIC and APL workspace support. In addition, its interface to VM/370 has been improved to provide more efficient operation when running in a virtual machine under VM/370 control. Programming services have been extended until December 31, 1974.

MUSIC offers a high performance and high function timesharing facility previously unavailable to the low entry System/370 user.  
Manual

SH20-1104

S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING MUSIC RELEASE II USER'S GUIDE - IUP NUMBER 5796-AAT  
A new release of the MUSIC Timesharing System is now available. It contains system support for S/370 Models 125, 158, 165 and 168, including 3330/3333 Model II, 3704/3705, enhancements to BASIC and APL workspace support. In addition, its interface to VM/370 has been improved to provide more efficient operation when running in a virtual machine under VM/370 control. Programming services have been extended until December 31, 1974.  
MUSIC offers a high performance and high function timesharing facility previously unavailable to the low entry System/370 user.  
Manual

SH20-1105

DATA DICTIONARY/DIRECTORY SYSTEM, WITH CMIS DATA ELEMENT GLOSSARY - PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP NUMBER 5796-PAG  
No abstract available.  
Manual, 200 pages

SH20-1112

CONSOLIDATED FUNCTIONS EQUITY PRODUCTS VARIABLE ANNUITIES, MUTUAL FUNDS DATAMANN, INC. - SUBSIDIARY OF HORACE MANN EDUCATORS SPRINGFIELD, ILLINOIS PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5796-AAP  
This manual contains a detailed description of the individual programs that make up the Consolidated Functions Equity Products Installed User Program. It is intended to provide the user with information on how to generate the system.  
Manual, 420 pages

SH20-1114

SCRIPT/370 - PROGRAM DESCRIPTION/OPERATION MANUAL - IUP NUMBER 5796-PAF  
This manual describes an IBM internally-developed program called SCRIPT/370. This program executes as a command of the Conversational Monitor System (CMS), a component of VM/370. SCRIPT/370 is a successor to SCRIPT, a text processing Type III program supplied with CP-67/CMS. Through the facilities of SCRIPT/370, text files developed using the CMS Editor may be formatted in single or multiple columns, justified or ragged, and with automatic pagination. Additional facilities of the SCRIPT processor permit accepting input from a terminal during processing, the inclusion of other SCRIPT files, and extensive top and bottom title (i.e., running head and foot) capabilities. Other formatting and control is facilitated by special symbols that may be substituted for frequently-used control work sequences or used to generate tables of contents.  
Manual, 141 pages

SH20-1115

S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS) PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP NUMBER 5796-ABF  
YARDS is an alumni fund raising system with solicitation and donation history files. It has a command language for non data processing people to manipulate the files for solicitation purposes. It can be used by a wide range of fund raising organizations.  
Manual, 390 pages

SH20-1117

CYCLE-TIME SIMULATOR SYSTEM - PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBG  
This manual describes the functional capabilities of the Cycle Time Simulator System which allows management of a manufacturing facility to analyze the allocation of the resources of a manufacturing line. This manual is also an installation and operations reference document.  
Manual, 216 pages

SH20-1118

ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) PROGRAM REFERENCE MANUAL - IUP NUMBER 5796-PBH  
This program provides engineers with a powerful tool for use in the design and reliability analysis of linear and nonlinear electrical networks. Although ASTAP is oriented primarily toward the analysis of electronic circuits, it can also be used to simulate any physical system which can be represented by a network model. The program can be used for performing DC and AC steady-state as well as transient analysis. In addition, a Monte Carlo statistical simulation can be performed in conjunction with DC, AC, or transient analysis to predict the effect of component variations on network performance. A common user-oriented input language is provided for describing the network to be analyzed in any of the above modes.  
This manual includes an introduction, general description, language (input/output) description and sample problems.  
Manual

SH20-1119

ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) OPERATIONS GUIDE - IUP NUMBER 5796-PBH  
This program provides engineers with a powerful tool for use in the design and reliability analysis of linear and nonlinear electrical networks. Although ASTAP is oriented primarily toward the analysis of electronic circuits, it can also be used to simulate any physical system which can be represented by a network model.  
The program can be used for performing DC and AC steady-state as well as transient analysis. In addition, a Monte Carlo statistical simulation can be performed in conjunction with DC, AC, or transient analysis to predict the effect of component variations on network performance. A common user-oriented input language is provided for describing the network to be analyzed in any of the above modes.  
This Operations Guide provides the operating information including descriptions of the distribution tape, system generation, JCL descriptions and error messages."  
Manual, 66 pages

SH20-1122

IBM WAREHOUSE SIMULATOR PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBK  
This manual describes the functional capabilities of the Automated Storage and Retrieval System which provides the user with maximum utilization of storage facilities and quick response to material requests. The ASRS/360 program is written in FORTRAN IV and operates under OS/360. This manual describes how to use ASRS/360 in designing a storage facility. This manual is also an installation and operations reference document.  
Manual, 20 pages

SH20-1123

IBM MULTIPLANT SOURCING PROGRAM DESCRIPTION/OPERATIONS MANUAL IUP NUMBER 5796-PBL  
IBM Multi-Plant Sourcing is a group of computer programs designed to assist the plants of a multi-plant company in determining the best sources of subproducts manufactured in its plants. The programs develop alternative sourcing decisions taking into consideration such factors as work load, duty and taxes, balance of trade, and export of dollars. This manual describes the system as a whole and then describes the individual programs that make up the system. These descriptions include installation and operations information. Also included in the manual is a description of a sample sourcing problem and the solutions to this problem that were provided by IBM Multi-Plant Sourcing.  
Manual, 156 pages

GH20-1128

MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS GENERAL INFORMATION MANUAL, PROG. NOS. 5703-XM2 (SYSTEM/3) AND 5734-XM8 (ITF AND VM/370-CMS)  
MATH/BASIC provides easy-to-use powerful mathematics problem-solving tools to the user of BASIC. The program operates on the IBM System/3 Model 6 or under the Interactive Terminal Facility (ITF) or under VM/370-CMS for System/360 or System/370. It consists of 44 BASIC routines covering the solution of linear questions, matrix eigen problems, polynomial equations, numerical quadrature, numerical differentiation, interpolation, approximation, smoothing, solution of systems of ordinary differential equations, fast Fourier transform, special functions and linear programming.  
The user can employ any of the programs as stand-alone or can merge one or more of them into his own programs. The modules of MATH/BASIC can be applied to many problems that occur in science, engineering, and related fields.  
This manual provides an overall view of MATH/BASIC. It describes the program features, usage, maximum problem size, precision, timing, system requirements, and customer responsibilities. Examples are included to illustrate the use of the program.  
Manual, 21 pages

GH20-1129

EPIC SOCRATES STUDENT SCHEDULING SYSTEM FOR EDUCATIONAL INSTITUTIONS - GENERAL INFORMATION PROGRAM NUMBER 5735-E91  
The EPIC SOCRATES program product represents a comprehensive systems approach to the student scheduling tasks of educational institutions. The package consists of a series of interrelated programs which provide for the allocation of educational resources required for the generation of the master schedule of classes, assignment of students to the master schedule classes, and the update of these records with changes required to the assigned classes. The features provided by the program cover the needs of a variety of educators, from those employing traditional scheduling patterns to those who have gone to highly flexible, modular schedules.  
Manual, 44 pages

GH20-1130

EPIC STUDENT RECORD SYSTEM FOR EDUCATIONAL INSTITUTIONS GENERAL INFORMATION MANUAL, PROG. NO. 5735-E94  
The EPIC Student Record System product establishes a student records data base. This package consists of a series of interrelated programs which provides a systematic procedure

for the collection and reporting of student academic and attendance information. This manual describes the functions available and options for selecting the services desired. Manual, 32 pages

## GH20-1131

EPIC FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL INSTITUTIONS - PROGRAM PRODUCT GENERAL INFORMATION PROGRAM NUMBER 5735-E92

The EPIC FAST program product represents a comprehensive approach to scoring and analyzing standardized tests. The product consists of a series of interrelated programs that provide for the establishment of user-defined testing packages cataloged on disk. These include scoring keys, conversion tables, and specifications required to produce a series of test result reports. This manual provides the potential user an overview of the purpose, features, concepts, and philosophies of EPIC FAST. It addresses those areas of education related to test administration, scoring, and reporting. Manual, 24 pages

## GH20-1132

EPIC BUDGET/FINANCE FINANCIAL ACCOUNTING SYSTEM FOR EDUCATIONAL INSTITUTIONS - PROGRAM PRODUCT GENERAL INFORMATION - PROGRAM NUMBER 5735-E93

The EPIC Budget/Finance program product is a system providing budgetary, financial, and encumbrance accounting capabilities for educational institutions. The system is designed to accommodate users of United States Office of Education publications in the area of schools accounting. In particular, it is designed to facilitate implementation of concepts such as the planning, programming, budgeting system (PPBS) by the user. Most educational institutions can utilize these programs due to the flexibility of account capabilities provided. Manual, 32 pages

## GH20-1134

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING) 5795-AAB (OS EQUIPMENT CONTROL) 5795-AAC (DOS MESSAGE SWITCHING) 5795-AAD (DOS EQUIPMENT CONTROL)

Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.

FIRST Message Switching provides the facility of point-to-point and multidestination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.

FIRST Equipment Control provides real-time reporting of every departure and arrival of linehaul equipment. Inquiries and reports provide timely information regarding equipment location and status.

This manual contains a general description of the system and the systems approach taken. It is intended to introduce the reader to the system and to serve as a guide for early planning. Manual, 72 pages

## GH20-1135

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAA (OS MESSAGE SWITCHING)

Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.

FIRST Message Switching provides the facility of point-to-point and multidestination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.

This manual provides computer and master terminal operating procedures. Manual 80 pages

## SH20-1136

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST), SYSTEM PROGRAMMER'S - REFERENCE MANUAL PROGRAM NUMBER 5795-AAA (OS MESSAGE SWITCHING)

Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.

FIRST Message Switching provides the facility of point-to-point and multidestination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.

This manual provides the system programmer with the technical information required to understand and install the FIRST Message Switching System. Manual, 48 pages

## SH20-1137

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) - TERMINAL OPERATOR'S MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING) 5795-AAC (DOS MESSAGE SWITCHING)

Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.

FIRST Message Switching provides the facility of point-to-point and multidestination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.

This manual provides information regarding message format and terminal operating procedures. Manual, 44 pages

## LH20-1138

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) - PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING)

Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.

FIRST Message Switching provides the facility of point-to-point and multidestination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.

This manual provides descriptions and flowcharts for the FIRST Message Switching programs. Manual, 224 pages

## GH20-1139

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) - FILE DESCRIPTION MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING)

Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.

FIRST Message Switching provides the facility of point-to-point and multidestination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.

This manual provides descriptions and record layouts for all input and output files used by the FIRST Message Switching system. Manual, 62 pages

## SH20-1146

IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT) OPERATIONS GUIDE - PROGRAM NUMBER 5734-G21

This publication contains a description of the procedures necessary to implement FASTER MT in a test or on-line environment. Initialization of system files, linkage-editing options, and system messages are discussed in addition to the maintenance transaction that is included with the program. Program Product Manual

## SH20-1147

IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT) PROGRAM NUMBER 5734-G21

FASTER MT is a programming system for retrieving data from indexed-sequential and direct access files, and for maintaining such files, by means of remote or local terminal devices. The system procedures are adaptable to a wide variety of applications. FASTER MT incorporates a macro language that provides for writing message processing programs on a functional level.

Through use of the Basic Telecommunications Access Method, FASTER MT provides line control to support a communication network consisting of combinations of IBM 1050 and IBM 2740-1, two typewriter terminals, and the IBM 2260/2265 remote display terminals.

FASTER MT operates as a standard multitasking job in a single MVT region or MFT partition under OS, using a minimum of 120K bytes on a System/360 or System/370.

This manual describes the FASTER MT system environment and components. Included are detailed macro instruction descriptions and user considerations concerning backup/recovery, hardware, and documentation aids. Program Product Manual

## GH20-1148

PROPERTY AND LIABILITY INFORMATION SYSTEM ENHANCEMENTS PLANNING MANUAL - PROGRAM NUMBERS 5736-N24 AND 5736-N25

This manual provides a planning guide for the PALIS Automobile and Homeowners Enhancements program products. It contains a narrative description of each of the enhancements functions for both Automobile and Homeowners. A description of the policy master file conversion program is also included to offer a method of converting existing user files

to the format required by the enhancements. COBOL data divisions are included in the appendices for all formats that are now or have been changed.  
Manual, 68 pages

conditions.  
Manual, 40 pages

## GH20-1149

PURCHASING GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5736-XX5 (DOS), 5734-XXA (OS)

The IBM Purchasing program product is designed to automate many of the clerical aspects of the purchasing department's function through the use of a data base which facilitates purchase order creation, maintenance, follow-up and review. To accomplish this objective, the IBM Purchasing program product performs the following functions:

- o Determines economic purchase order quantities
- o Includes ordering policies which evaluate vendor price break information (quantity discounts)
- o Processes both controlled and uncontrolled goods
- o Processes blanket orders and blanket order releases
- o Provides for the creation of requisitions, purchase orders, and purchase order alterations
- o Creates and maintains an open purchase order data base
- o Notifies buyer when new quotes for an item are required
- o Minimizes duplicate data and facilitates data retrieval by means of the data base organization.

The IBM Purchasing program product is designed to bring current information about the status of purchased goods to the attention of management while there is still time for decisions to be made and acted upon.

This manual describes the IBM Purchasing program product and provides information to enable the reader to determine its applicability and to begin planning for the program product. The audience includes executives, system analysts, and programmers.

Program Product Manual, 120 pages

## SH20-1150

BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) PROGRAM PRODUCT - OPERATOR'S GUIDE - PROGRAM NUMBER 5736-G25

This publication contains a description of the procedures necessary to implement the Budget Accounting Information System (BACIS). Initialization of system files and error messages are discussed in addition to the operating considerations.

Manual, 84 pages

## SH20-1151

BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC INSTITUTIONS; PROGRAM PRODUCT REFERENCE MANUAL PROGRAM NUMBER 5736-G25

BACIS is a budget preparation and appropriation accounting information system for public institutions. This program reference manual is intended to be used in preparing for the installation of this IBM program product. It describes the detailed concepts, design, inputs, outputs, processing methods, and operational uses provided for within the system implementation. It provides executives, accounting personnel, operating department personnel, the systems analyst, and the programmer with the information they need to evaluate, experiment with, and plan for the installation of this IBM program product.

Manual, 224 pages

## GH20-1152

RCA 301 EMULATOR ON SYSTEM/370 USING DOS AND DOS/VS (PRPQ) - TRANSITION GUIDE, PROG. NO. 5799-ADR

This publication presents areas for consideration while planning and implementing the transition from the Honeywell Series 200 to the IBM System/370 Models 135 and 145. It is intended as an aid to management in making a total project plan.

The transition plan discusses the objectives and techniques of transition, schedules, file conversion, program conversion, education, and installation standards. The guide also discusses the use of DOS resources and the differences between a Honeywell system and a IBM System/370.

Because of the differences among data processing installations, the guidelines in this publication should be adjusted to fit the reader's particular operating conditions.

Manual, 40 pages

## GH20-1153

HONEYWELL SERIES 200 EMULATOR ON SYSTEM/370 USING DOS AND DOS/VS (PRPQ) - TRANSITION GUIDE, PROG. NO. 5799-ADR

This publication presents areas for consideration while planning and implementing the transition from the RCA 301 to the IBM System/370 Models 135 and 145. It is intended as an aid to management in making a total project plan.

The transition plan discusses the objectives and techniques of transition, schedules, file conversion, program conversion, education, and installation standards. The guide also discusses the use of DOS resources and the differences between an RCA system and an IBM System/370.

Because of the differences among data processing installations, the guidelines in this publication should be adjusted to fit the reader's particular operating

## SH20-1154

MARKETABLE SECURITIES INVENTORY SYSTEM, PROGRAMMING RPQ MB4259, PROGRAM REFERENCE MANUAL - PROG. NO. 5799-ABY  
The Marketable Securities Inventory System provides the ability to automate the handling of an investment securities portfolio. This programming RPQ is available on special quotation only (see inside front cover). It includes facilities for edit, update, and audit control of all input data relating to the portfolio. Input to the system includes interest income, security market values, trades, and tax adjustments. The system produces reports summarizing activity, portfolio status and performance, and various income and tax accounting information.

This manual contains the description of the programs, input/output, and what must be done to implement this application. It also contains a user's guide and a discussion of the formulas used in the programs.

The audience for this manual includes traders, investment personnel, system analysts, and programmers.  
Manual, 256 pages

## SH20-1155

MARKETABLE SECURITIES INVENTORY SYSTEM PROGRAMMING RPQ MB4259 - PROGRAM NUMBER 5799-ABY OPERATIONS GUIDE

The Marketable Securities Inventory System enables management to automate the handling of an investment securities portfolio. This Programming RPQ is available on special quotation only (see inside front cover).

The Programming RPQ includes facilities for edit, edit, update, and audit control of all input data relating to the portfolio. Input to the system includes interest income, security market values, trades, and tax adjustments. The system produces reports summarizing activity, portfolio status and performance, and various income and tax accounting information.

This manual contains information required by operating personnel to process jobs for the Marketable Securities Inventory System. It includes instructions for preparation of all I/O units and for each program, program setup, operating instructions, and program message list.

The audience for this manual includes systems analysts, programmers, and operations personnel.

The Programming RPQ described in this manual and all licensed materials available for it are provided by IBM on a special quotation basis only, under the terms of the License Agreement for IBM Program Products. Your local IBM branch office can advise you regarding the special quotation and ordering procedures.

Manual, 60 pages

## SH20-1157

MATH/BASIC FOR ITF AND VM/370-CMS: OPERATIONS GUIDE, PROGRAM NUMBER 5734-XM8

This manual provides the information needed to install, run, and maintain MATH/BASIC on System/370. It is assumed that the user has an installed ITF or VM/370-CMS System.

Manual, 25 pages

## SH20-1158

MATH/BASIC FOR SYSTEM/3 MODEL 6. ITF AND VM/370-CMS PROGRAM REFERENCE MANUAL, PROG. NOS. 5703-XM2 (S/3) AND 5734-XM8 (ITF-OS/DOS/TSO AND VM/370-CMS)

MATH/BASIC is a library of 44 conversational routines covering the most frequent mathematical problems in engineering and science. This manual contains sufficient information needed to understand and use MATH/BASIC.  
Manual, 244 pages

## SH20-1159

REGISTERED REPRESENTATIVE SYSTEM PROGRAMMING OVERVIEW PROGRAM NUMBER 5734-F34

The IBM Registered Representative System program product provides the brokerage industry System/370 user with online communication to the IBM 3670 Brokerage Communication System to perform his major tasks of following the NYSE and ASE tickers, receiving current displays of security quotations and the leading market indicators, and monitoring on a continuing basis all movements of an individually selected list of securities. The Registered Representative System supports rapid inquiry and response into a securities opinion data base and a customer account data base providing the current research opinions, customer holdings, and customer balances. In addition, it allows the entry of orders, inquiry into the status of an order, and distribution of order execution reports directly to the registered representative using the IBM 3670 terminal.

The Registered Representative System operates with the following IBM programs under the full operating System in a multiprogramming environment:

- Telecommunications Control System (TCS)
- Telecommunications Access Method (TCAM)
- Customer Information Control System (CICS)

Inquiries and orders entered by the registered representative on his 3672 Executive Console are transmitted over the firm's teleprocessing network to its central computer from the 3671 Shared Terminal Control Unit. Inquiry responses and order verifications are returned to his 3673 Data Display while hard copy printouts of inquires,

execution reports, and administrative messages are routed to the 3674 Printer-Keyboard servicing his terminal.  
Manual, 14 pages

## GH20-1160

REGISTERED REPRESENTATIVE SYSTEM GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-F34  
This manual describes the IBM Registered Representative System program which provides the brokerage industry System/370 user with online communication to the IBM 3670 Brokerage Communication System. The program allows the registered representative (RR) to rely on the IBM 3670 terminal to perform his major tasks of following the NYSE and ASE tickers, receiving current displays of security quotations and the leading market indicators, and monitoring on a continuing basis movements of an individually selected list of securities. The Registered Representative System support rapid inquiry and response into a Securities Opinion Data Base and a Customer Account Data Base providing the current research opinions, customer holdings, and customer balances. In addition, it allows the entry of orders, inquiry into the status of an order, and distribution of order execution reports directly to the registered representative using the IBM 3670 terminal.  
Manual, 64 pages

## GH20-1163

(CPS) CONVERSATIONAL PROGRAMMING SYSTEM BASIC TERMINAL USER'S MANUAL - PROGRAM NUMBER 360D-03.4-016  
The Conversational Programming System (CPS) is a time-sharing system which runs in a partition of the IBM System/360 Operating System MFT II or MVT. It gives remote terminal users an interactive problem solving facility using modified subsets of either the PL/I or BASIC languages. This publication is a complete reference manual for the terminal user of the BASIC language under CPS. It contains descriptions of:  
o How to call the computer from a terminal  
o The CPS BASIC language  
o CPS BASIC built-in functions  
o Methods for program optimization  
o BASIC terminal error messages  
Type III Class A Manual, 184 pages

## SH20-1164

PLANNING SYSTEMS GENERATOR II (PSG II) DOS OPERATOR'S GUIDE PROGRAM PRODUCT 5736-XT1  
Planning Systems Generator II (PSG II) DOS gives the user the means to rapidly produce and evaluate a variety of financial plans. It offers a simple method for organizing planning data, for establishing computational logic to be applied to the data, and for generating data displays and reports.  
PSG II may be applied to the solution of planning problems for financial management and also for any division or department of a company with planning responsibilities such as personnel manpower allocations, marketing projections, budget planning, etc.  
This Operations Guide describes the procedures required to install and operate PSG II.  
Manual, 28 pages

## SH20-1166

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) SYSTEM PROGRAMMER'S REFERENCE MANUAL - PROGRAM PRODUCT 5795-AAC (DOS MESSAGE SWITCHING)  
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information. FIRST Message Switching provides the facility of point-to-point and multi-destination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.  
This manual provides the system programmer with the technical information required to understand and install the FIRST Message Switching System.  
Manual, 60 pages

## SH20-1167

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM PRODUCT 5795-AAC (DOS MESSAGE SWITCHING)  
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information. FIRST Message Switching Provides the facility of point-to-point and multi-destination rerouting, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.  
This manual provides computer and master terminal operating procedures.  
Manual, 52 pages

## LH20-1168

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) PROG. NO. 5795-AAC, LOGIC (DOS MESSAGE SWITCHING)  
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information. FIRST Message Switching provides the facility of point-to-point and multi-destination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.  
This manual provides descriptions and flowcharts for the FIRST Message Switching programs.  
Manual, 204 pages

## SH20-1169

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) FILE DESCRIPTION MANUAL - PROGRAM PRODUCT 5795-AAC (DOS MESSAGE SWITCHING)  
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information. FIRST Message Switching provides the facility of point-to-point and multi-destination routing, group broadcasting, resend and reroute capability, conversational edit and error correction and multi-buffer message support. Modifications to CICS include implementation of a reusable transient data queue and a checkpoint/warm restart capability.  
This manual provides descriptions and record layouts for all input and output files used by the FIRST Message Switching system.  
Manual, 64 pages

## GH20-1170

INTERACTIVE TRAINING SYSTEM - GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-XXC  
The IBM Interactive Training System provides a real-time training environment utilizing available IBM Data Base/Data Communications Systems.  
For users of the IBM Information Management System/360 V2 and the Customer Information Control System OS-STANDARD V2, the IBM Interactive Training System supports the IBM Coursewriter III language and a unique Course Structuring feature. Computer assisted instruction can now be available for individualized instruction in the operational environment of a terminal-oriented, data base system.  
This manual includes descriptions of the Interactive Training System facilities, the Course Structuring feature, and the Coursewriter III language for implementation planning purposes.  
Manual, 102 pages

## GH20-1171

SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM (S/370 DSP) GENERAL INFORMATION MANUAL, PROG. NO. 360A-TX-032  
System/370 Distributed System Program (S/370 DSP) provides the means for operating an IBM System/370 connected to one or more System/7's as a single system with distributed facilities. This manual describes the support that is available to the user of the S/370 DSP. Included are descriptions of the subroutines, available to programs resident in System/370, and the macros, available to programs resident in System/7.  
Manual, 44 pages

## GH20-1173

IBM SYSTEM/360 AND SYSTEM/370 ASP VERSION 3 ASYMMETRIC MULTI PROCESSING SYSTEM: GENERAL INFORMATION MANUAL, PROG. NO. 360A-CX-15X  
The ASP system is a multiprocessing operating system that provides a compatible extension to the Operating System (OS). Designed for the user with a large computer job shop environment, ASP provides increased automation of the computing operation. The ASP system functions as a programmed operator of OS. It provides advanced scheduling facilities for optimizing the total installation production.  
Manual, 52 pages

## SH20-1174

PLANNING SYSTEMS GENERATOR II (PSG II) DOS - PROGRAM REFERENCE MANUAL - PROGRAM PRODUCT 5736-XT1  
Planning Systems Generator II (PSG II) DOS gives the user the means to rapidly produce and evaluate a variety of financial plans. It offers a simple method for organizing planning data, for establishing computational logic to be applied to the data, and for generating displays and reports.  
PSG II may be applied to the solution of planning problems for financial management and also for any division or department of a company with planning responsibilities such as personnel or manpower allocations, marketing projections, budget planning, etc.  
This manual describes the functions provided by PSG II and explains their use. It also includes information for writing planning logic programs in the FORTRAN programming language. A more detailed description of FORTRAN may be found in the IBM Programmed Instruction Texts, FORTRAN IV for IBM System/360 (R26-0080 through R29-0087).  
Manual, 140 pages

## GH20-1175

BUSINESS ANALYSIS/BASIC GENERAL INFORMATION MANUAL, PROG. NOS. 5703-XM3 (SYSTEM/3 MODEL 6) AND 5734-XMB (ITF-OS/DOS/TSO AND VM/370-CMS)  
Business Analysis/BASIC is a comprehensive set of interactive routines for use on System/3 Model 6, System/360 or System/370 with ITF (DOS, OS, or TSO) or VM/370-CMS. It consists of 30 routines written in the BASIC language, providing the problem-solving professional with procedures for data generation and maintenance, spread sheet analysis, investment analysis, break-even or cost-volume profit analysis, depreciation analysis, and time series analysis. The program is designed so that a detailed knowledge of programming is not required. Interactive features include instructional messages, flexible control of calculation, extensive error checking and data editing.  
This manual provides an overview of Business Analysis/BASIC, describing the program features, data file concepts, usage, maximum problem sizes, precision, timing, system requirements, and customer responsibilities. It also includes an "Application Handbook" consisting of a number of case studies illustrating use of the routines.  
Manual, 60 pages

FIRST Equipment Control provides real-time reporting of every departure and arrival of linehaul equipment. Inquiries and reports provide timely information regarding equipment location and status.  
This manual provides computer and master terminal operating procedures.  
Manual, 128 pages

## SH20-1177

PLANNING GUIDE FOR THE PL/I QUERY SUPPORT FEATURE OF GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) PROGRAM NUMBER 5734-XX1  
This document describes the use and characteristics of the DL/I (Data Language I) Query Support Feature of the Generalized Information System, Version 2 (GIS/2). This feature provides the means by which a person can employ the GIS query language against DL/I data bases of Information Management System/360, Version 2 (IMS).  
Manual, 32 pages

## SH20-1186

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) FILE DESCRIPTION MANUAL - PROGRAM NUMBERS 5795-AAB AND 5795-AAD (OS AND DOS EQUIPMENT CONTROL)  
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.  
FIRST Equipment Control provides real-time reporting of every departure and arrival of linehaul equipment. Inquiries and reports provide timely information regarding equipment location and status.  
This manual describes the files and records of the FIRST Equipment Control System.  
Manual, 248 pages

## GH20-1179

HEALTH CARE SUPPORT/ACCOUNTING SYSTEM & DATA COMMUNICATIONS: GENERAL INFORMATION MANUAL, PROG. NO. 5746-H14 (DOS/VS)  
No abstract available.  
Manual, 108 pages

## SH20-1187

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) TERMINAL OPERATOR'S MANUAL - PROGRAM NUMBERS 5795-AAB, AND 5795-AAD (OS AND DOS EQUIPMENT CONTROL)  
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.  
FIRST Equipment Control provides real-time reporting of every departure and arrival of linehaul equipment. Inquiries and reports provide timely information regarding equipment location and status.  
This manual provides information regarding message format and terminal operating procedures.  
Manual, 122 pages

## LH20-1182

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5795-AAB, AND 5795-AAD (OS AND DOS EQUIPMENT CONTROL)  
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.  
FIRST Equipment Control provides real-time reporting of every departure and arrival of linehaul equipment. Inquiries and reports provide timely information regarding equipment location and status.  
This manual provides descriptions and flowcharts for the FIRST Equipment Control programs.  
Manual, 512 pages

## GH20-1188

ALPHA SEARCH INQUIRY SYSTEM, GENERAL INFORMATION MANUAL (PROGRAM NUMBER 5736-N14)  
The Alpha Search Inquiry System is a set of five programs that create, maintain, reorganize and display a file containing customer names and all associated record numbers. Depending on the user's applications, these record numbers are account numbers, claim numbers, contract numbers, part numbers, etc. Thus a single alpha search record can point to multiple records on other files.  
A phonetic encoding technique is used to reduce the problems of sound-alike and misspelled names associated with record retrieval. The Alpha Search Inquiry System also provides the ability to reduce the number of retrievals on common names through the use of secondary identifiers and a degree of likeness concept.  
The inquiry program runs as an application program under CICS/DOS-ENTRY (5736-XX6), CICS/DCS-STANDARD (5736-XX7), or CICS/CS-STANDARD Version 2 (5734-XX7), and is capable of being multitasked along with other CICS applications. The other programs constituting this system run under the control of DOS or OS.  
This manual includes a general description of the capabilities of the Alpha Search Inquiry System and introduces information that can be included in the record. Customer, programming system, and minimum machine requirements are also included.  
Manual, 50 pages

## SH20-1183

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) SYSTEM PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5795-AAD - (DOS EQUIPMENT CONTROL)  
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.  
FIRST Equipment Control provides real-time reporting of every departure and arrival of linehaul equipment. Inquiries and reports provide timely information regarding equipment location and status.  
This manual provides information useful to the system programmer to integrate the Equipment Control function with a currently operational Message Switching System.  
Manual, 116 pages

## GH20-1190

HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM: GENERAL INFORMATION MANUAL, PROG. NO. 5746-H12 (DOS/VS)  
The Health Care Support/Laboratory Information System provides data processing support for hospital clinical laboratories. Operating under the Health Care Support/Accounting System programs, the program process batched input of laboratory requisitions and test results, producing laboratory reports for use throughout the hospital.  
This publication describes the features of the Health Care Support/Laboratory Information System and is designed to give the reader an overall knowledge of the system without reference to program detail.  
Manual, 32 pages

## SH20-1184

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) SYSTEM PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5795-AAB (OS EQUIPMENT CONTROL)  
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.  
FIRST Equipment Control provides real-time reporting of every departure and arrival of linehaul equipment. Inquiries and reports provide timely information regarding equipment location and status.  
This manual provides information useful to the systems programmer to integrate the Equipment Control function with a currently operational Message Switching System.  
Manual, 102 pages

## SH20-1195

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAD (DOS EQUIPMENT CONTROL)  
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.  
FIRST Equipment Control provides real-time reporting of every departure and arrival of linehaul equipment. Inquiries and reports provide timely information regarding equipment location and status.  
This manual provides computer and master terminal operating procedures.  
Manual, 164 pages

## SH20-1185

FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAB (OS EQUIPMENT CONTROL)  
Fast Information Retrieval for Surface Transportation (FIRST) is an advanced teleprocessing system operating under CICS, designed to provide the operations management of a motor freight carrier with timely and accurate information.



- SH20-1197  
CPS UNDER TSO TERMINAL USERS MANUAL (PRPQ) - PROGRAM NUMBER 5799-ADY  
 No abstract available.  
 Manual, 280 pages
- SH20-1198  
CPS UNDER TSO BASIC TERMINAL USERS MANUAL (PRPQ) - PROGRAM NUMBER 5799-ADY  
 No abstract available.  
 Manual, 200 pages
- SH20-1199  
CPS UNDER TSO OPERATOR'S GUIDE (PRPQ) - PROGRAM NUMBER 5799-ADY  
 No abstract available.  
 Manual, 88 pages
- GH20-1207  
TELECOMMUNICATIONS CONTROL SYSTEM (TCS) CONCEPTS AND FACILITIES MANUAL - PROGRAM PRODUCT 5734-F31  
 This manual describes the IBM Telecommunications Control System (TCS) Program Product which is a station-and-message control program with easy-to-use complex communication services and with access to a wide variety of standard online application programming services.  
 TCS runs under OS on a System/360 or 370, and uses, modifies, and enhances TCAM while contributing some line controls, a message handling language, reliability features, operator control and retrieval programs, and other functions. This manual covers all major functions under which TCS/TCAM support line speeds up to 50,000 bits per second and various line controls including full-duplex, half-duplex, and freewheeling. Stations supported include: keyboard printers, video display stations, audio units, concentrators, and other CPU's. TCS/TCAM handles messages for switching, data collection, remote printing, inquiry, conversational file updating, time sharing, executive query, and so on.  
 Concurrently, they can handle different types of terminals, applications, and message types. Each entity can be assigned different options for buffering, line control, queuing (main storage or disk), message handling, and restart. Message handling, consisting of routing and optional header analysis, is specified by the user via a high-level language.  
 TCS/TCAM can simultaneously handle messages for application programs running under other control programs (CICS, TSO GIS), and those directly using OS. Any station can access any application. TCS can reside in multiple CPU's connected by leased lines. Any station connected to any CPU can both switch messages to the stations and access the applications of another CPU, all operations being subject to user-designated controls.  
 References to CICS in this manual are valid after December 1972.  
 Manual, 320 pages
- SH20-1208  
TELECOMMUNICATIONS CONTROL SYSTEM (TCS) PROGRAMMER'S GUIDE AND REFERENCE MANUAL - PROGRAM PRODUCT 5734-F31  
 This manual tells the user who to construct and modify a TCS message control program and TCS-compatible application programs. It explains the TCS-provided sample MCP, the differences between TCS and TCAM, and any TCAM functional restrictions caused by TCS modifications. The TCS retrieval and operator control facilities and the edit application program are fully explained and illustrated. The manual should be used in parallel with the OS/MFT and OS/MVT TCAM Programmer's Guide (GC30-2024). References in this manual to the Customer Information Control System (CICS) are valid after December 1972.  
 Manual, 320 pages
- SH20-1209  
TELECOMMUNICATIONS CONTROL SYSTEM (TCS) OPERATIONS GUIDE, PROGRAM NUMBER 5734-F31  
 This Operations Guide provides TCS installation and operations information. The installation information includes general information about installing teleprocessing systems and specific considerations for installing the Telecommunications Control System. The operations portion of the manual covers both systems generation and day-to-day operation.  
 Among the subjects covered in the discussion of day-to-day operations are the creation of a securities symbol table, the execution of the TCS message control program, and restart capabilities. Operator control commands and command responses, including those for the order edit application program, are also provided. Finally, there is a section describing main storage requirements.  
 Manual, 152 pages
- SH20-1213  
INTERACTIVE TRAINING SYSTEM COURSE AUTHORING GUIDE - PROGRAM NUMBER 5734-XXC  
 This publication is intended for those who will develop, create, and maintain course materials in the IBM Interactive Training System environment. It includes descriptions of the course development process, preparation of the materials prior to entry, and the realtime commands and statement formats for terminal entry.  
 Manual, 156 pages
- SH20-1214  
INTERACTIVE TRAINING SYSTEM OPERATIONS GUIDE - PROGRAM NUMBER 5734-XXC  
 This publication includes the information needed to define the parameters required for a training system generation, the execution of the generation, and the execution of the generated training system. It is intended for the use of systems analysts, system programmers, and operating personnel responsible for the above procedures.  
 Manual, 64 pages
- SH20-1215  
INTERACTIVE TRAINING SYSTEM TERMINAL USER'S GUIDE - PROGRAM NUMBER 5734-XXC  
 This publication includes a description of terminal operations for those who wish to gain access to the Interactive Training System. It includes the sign-on, and monitor. It goes into detail on the student and commands that are available.  
 Manual, 28 pages
- SH20-1216  
INTERACTIVE TRAINING SYSTEM PROGRAM REFERENCE MANUAL, PROGRAM NUMBER 5734-XXC  
 This publication provides systems analysts and programmers with the information necessary to understand the operations of the training system. It includes descriptions of the control blocks, data sets, and other aspects of the system in order that knowledgeable decisions be made for generation purposes. Also included is a description of the internal interface for user-written support functions.  
 Manual, 98 pages
- SH20-1217  
INTERACTIVE TRAINING SYSTEM SUPERVISOR'S GUIDE - PROGRAM NUMBER 5734-XXC  
 This publication contains descriptions of the commands available to the Interactive Training System Supervisor. This information allows the supervisor to execute realtime commands for control and visibility of the training system environment.  
 Manual, 51 pages
- SH20-1219  
DATA/360 - II CONSOLE OPERATOR'S GUIDE - PROGRAM NUMBER 5734-XS8  
 No abstract available.  
 Manual, 124 pages
- GH20-1220  
DATA/360 - II GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-XS8  
 No abstract available.  
 Manual, 36 pages
- SH20-1221  
DATA/360 - II TERMINAL OPERATOR'S GUIDE - PROGRAM NUMBER 5734-XS8  
 No abstract available.  
 Manual, 92 pages
- GH20-1222  
INTERACTIVE QUERY FACILITY (IQF) INTRODUCTION LANGUAGE GUIDE, PROGRAM NUMBER 5734-XX6  
 No abstract available.  
 Manual, 28 pages
- GH20-1223  
IQF TERMINAL USERS REFERENCE GUIDE (INTERACTIVE QUERY FACILITY) (IMS/360) - PROGRAM NUMBER 5734-XX6  
 No abstract available.  
 Manual, 40 pages
- SH20-1224  
SECURITIES ORDER MATCHING PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-F32  
 This manual contains detailed information on the functions and use of Securities Order Matching (SOM). It describes SCM system concepts, inputs, outputs, and processing methods from the point of view of the user, and contains information to assist the user in preparing for and installing the program.  
 Securities Order Matching operates in a multiprogramming environment under the Telecommunications Control System (TCS) and the full Operating System (OS). It provides brokerage industry users with online, automatic recording and matching of security orders and executions. Using one or more 2260 Display Stations, exceptions clerks are provided a means for rapid communications with the SOM offline processing generates to resolve problems. After market close, offline processing generates wire and order room reports, produces input to Purchase and Sales wire and order room reports, produces input to Purchase and Sales (P&S), and provides input to optional user-written programs

and reports.  
Manual, 283 pages

## SH20-1225

SECURITIES ORDER MATCHING OPERATIONS GUIDE - PROGRAM NUMBER 5734-F32

This manual contains procedures for preparing and operating the Securities Order Matching (SOM) program product. It includes system preparation and generation, and discusses possible user modifications, data preparation, and file initialization. It gives procedures for both online and offline operation.

The manual does not contain operating procedures for the SOM exceptions terminals; for these, refer to the Scope Operations Guide, SH20-1226.  
Manual, 137 pages

## SH20-1226

SECURITIES ORDER MATCHING SCOPE OPERATIONS GUIDE - PROGRAM NUMBER 5734-F32

This manual contains procedures for operating the Securities Order Matching (SOM) scope terminals (IBM 2260 Display Stations) in order to resolve matching exceptions and to aid in maintaining accurate, current SOM files during daily operation. Each terminal provides for human intervention during daily normal operation. This facility is used when the system cannot internally match a cancel or execution to an open order or when it makes a bid implicit match. The terminal operator (exceptions clerk) at the 2260 Display Station (scope) resolves these exceptions through access to the SOM files. In addition, the terminals provide a visual link between the SOM files and the order room, exchange floors, and branch offices.

This manual presents a brief description of the 2260 Display station and describes procedures for signon, process selection, information retrieval (IR), data input (DI), and exceptions processing (XP) from the terminal. Typical displays from each of these activities, as well as system status displays, are illustrated and explained.  
Manual, 76 pages

## SH20-1227

CHECK PROCESSING CONTROL SYSTEM (CPCS) PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-F11

The IBM Check Processing Control System (CPCS) is designed to perform the processing functions associated with entry, distribution, and control of Magnetic Ink Character Recognition documents in commercial or Federal Reserve banks. Advanced check processing techniques are used to provide a system accommodating a wide range of check handling requirements. Control of data is maintained from original entry of items through preparation of cash letters and kill lists. A powerful data base facility permits user extension into related application areas such as proof of deposit and float analysis.

This publication provides general information on CPCS, enabling the user to understand the function of all the program modules as a guide for preparing to install CPCS. Each program module is described as to the processing it performs and the input and output data. Console and printer messages and report formats, where appropriate, are listed.

More detailed information on the program and its operation may be obtained by reading the IBM Check Processing Control System (CPCS) Operations Guide, (SH20-1228) and Terminal Operations Guide (SH20-1229).  
Manual

## SH20-1228

CHECK PROCESSING CONTROL SYSTEM OPERATIONS GUIDE PROG. NO. 5734-F11

The Operations Guide contains an overview of the Check Processing Control System (CPCS). It also contains guidelines for a user SYSGEN and instructions on console operations. A sample problem is included.  
Manual

## SH20-1229

CHECK PROCESSING CONTROL SYSTEM (CPCS): TERMINAL OPERATIONS GUIDE, PROG. NO. 5734-F11

The CPCS Terminal Operations Guide is intended to be used as a guide by those installing CPCS.

This publication describes the messages and responses which are used by CPCS and contains the information necessary to use a CPCS terminal.  
Manual

## GH20-1233

SYSTEM/370 APT-BP NUMERICAL CONTROL PROCESSOR GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5740-M51

System/370 Automatically Programmed Tool-Basic Positioning (APT-BP) is a Program Product which features a symbolic language designed to simplify the preparation of instructions for numerically controlled machine tools. This manual provides an introduction to the APT-BP language. Included are language structure and elements, special features, system configuration, and appendix which details technical information of the DAPP feature of the Program Product.  
Manual

## GH20-1234

SYSTEM/370 APT-1C AND APT-AC NUMERICAL CONTROL PROCESSORS GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5740-M52 (1C) AND 5740-M53 (AC)

System/370 Automatically Programmed Tool, Intermediate Contouring (APT-1C) and System/370 Automatically Programmed Tool, Advanced Contouring (APT-AC) are Program Products which feature a symbolic language designed to simplify the preparation of instructions for numerically controlled machine tools. This manual provides an introduction to their N/C language. Included are language structure and elements, special features, system configuration, and appendices which detail technical information for the significant features of the program products.  
Manual, 160 pages

## GH20-1241

IBM FASHION REPORTER, USER'S GUIDE - PROGRAM NUMBER 5736-D11

The purpose of this guide is to assist buyers and merchandise managers in the effective use of the Fashion Reporter System. It is a nontechnical reference for day-to-day use, as well as an introduction to the system. This manual discusses the programs and files comprising the system, the output reports, and suggests methods of planning, establishing controls, and collecting data. Step-by-step guidance is provided for installing, operating, and assessing the value of this system.  
Guide, 38 pages

## SH20-1242

EPIC: SOCRATES (STUDENT SCHEDULING SYSTEM FOR EDUCATIONAL INSTITUTIONS) USER'S GUIDE - PROGRAM NUMBER 5735-E91

No abstract available.

EPIC: SOCRATES offers a comprehensive approach to the student scheduling tasks of educational institutions. This package of interrelated programs provides for the allocation of educational resources to produce a master schedule of classes, the assignment of students to the master schedule, and the updating of scheduling records with changes required to the assigned sections. The features provided by the program product cover the needs of a variety of educators, from those employing traditional scheduling patterns to those who have gone to highly flexible, modular schedules.  
Manual, 208 pages

## SH20-1245

EPIC: SOCRATES STUDENT SCHEDULING SYSTEM FOR EDUCATIONAL INSTITUTIONS - OPERATIONS GUIDE PROG. NO. 5737-E91

The EPIC: SOCRATES program product employs a comprehensive systems approach to the student scheduling task of educational institutions. A package of interrelated programs provides for the assignment of students to the master schedule of classes, and the updating of scheduling records with changes required to the assigned classes. The features provided by the program cover the needs of a variety of educators, from those employing traditional scheduling patterns to those who have gone to highly flexible, modular schedules.  
Manual, 144 pages

## GH20-1246

DATA LANGUAGE/I DISK OPERATING SYSTEM/VIRTUAL STORAGE (DL/I DOS/VS) GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5746-XX1

DL/I DOS/VS is a data management control system that has been developed to improve the user's ability to implement batch-type data base processing applications. DL/I DOS/VS provides data organization methods that are conducive to the creation of, access to, and maintenance of, large common data bases.

This manual includes a general description of the system and its various facilities and programs, listings of typical and minimum configurations, and sample applications.  
Manual, 23 pages

## GH20-1249

HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5734-H11 AND 5736-H15

The IBM Health Care Support/Electrocardiogram (ECG) Analysis Program provides batch processing for the computerized analysis of adult electrocardiograms, along with rapid and consistent interpretation of ECG's requiring only a review by the cardiologist. Since computer-aided reading takes less time than normal unaided interpretation, the program serves to relieve the steadily increasing burden on cardiologists.

This publication describes the features of the program and contains a general discussion of the application area of electrocardiography. It is designed to give the reader an overall knowledge of the program and application area without reference to detail.  
Manual, 36 pages

## GH20-1251

DISPLAY MANAGEMENT SYSTEM II (DMS II) GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5734-XC4 AND 5736-XC4

The Display Management System II (DMS II) is a set of programs designed to simplify the implementation of online data processing operations using the 3270 Information Display System. The display management, file management,

and message handling capabilities offered by DMS II make it possible to implement many new or existing applications in an online environment with little or no user programming. Preprogrammed facilities are provided to perform display operations such as paging and panel selection; file operations such as data entry, inquiry, record update, and file search; and message routing between display stations. Application specification is simplified through the use of DMS II forms on which the user describes data files, designs 3275/77 Display Station images (panels), and describes the utility operations required by the application.

The Display Management System II operates under control of the IBM Customer Information Control System (CICS).

This manual provides an overview of the Display Management System II functions. Statements of customer responsibilities, programming system requirements, and system configuration are included.  
Manual, 60 pages

SH20-1252

EPIC: BUDGET/FINANCE OPERATIONS GUIDE, PROG. NO. 5735-E93  
5735-E93

The EPIC: Budget/Finance program product employs a comprehensive systems approach to the budgetary and financial control tasks of educational institutions. The package consists of a series of interrelated programs which provide for establishment of and changes to budgetary account controls, and also provides for detailed control of the daily accounting transactions that impact budgeted funds. All aspects of the educational institutions' financial structure, such as purchasing, cafeteria, and payroll, may feed transaction data into the system. The features provided by the program cover a variety of accounting needs, among which are line items, historical recap, budgetary projection and flexible reporting.  
Manual, 100 pages

SH20-1253

EPIC: BUDGET/FINANCE USER'S GUIDE - PROGRAM NUMBER 5735-E93

The EPIC: Budget/Finance Account system is based on traditional accounting theory and the Planning Programming Budgeting System (PPBS). It processes accounting and budgetary transactions affecting the status of master account records on magnetic disk. Computer printed reports trace the effects of transactions during the fiscal year, and periodically show the status of the master accounts. The user has many options at his disposal. These include the ability to define an account code structure of up to 12 levels tailored to his particular needs. Reports may be printed in up to five individually defined control sequences in addition to the standard sequence.  
Manual, 220 pages

GH20-1260

INFORMATION MANAGEMENT SYSTEM VIRTUAL STORAGE (IMS/VS)  
GENERAL INFORMATION MANUAL  
PROGRAM NUMBER 5740-XX2

IMS/VS is a control system that has been developed to improve the computer user's ability to implement teleprocessing and/or batch-type data processing applications. Its development is within the framework of Operating System/Virtual Storage.

This manual includes a general description of the system and its various facilities and programs, listings of typical and minimum configurations, and sample applications.  
Manual, 98 pages

SH20-1262

BUSINESS ANALYSIS/BASIC FOR ITF AND VM/370-CMS OPERATIONS  
GUIDE, PROG. NO. 5734-XMB

Business Analysis/BASIC contains 30 routines which permit the user to interact with the computer. All routines are written in the BASIC language for implementation on ITF (OS, DOS, TSO) and VM/370-CMS. The routines are designed to ask the user to enter his problem parameters and data and to make decisions at key points in the analysis. Options are provided for enhanced operating convenience and flexibility.

This manual provides the information needed to generate, run, and maintain Business Analysis/BASIC. It is assumed that the user has an installed ITF system.  
Manual, 31 pages

SH20-1264

BUSINESS ANALYSIS/BASIC PROGRAM REFERENCE MANUAL, PROG. NOS.  
5703-XM4 (S/3 MOD 6), 5734-XMB (ITF-OS/DOS/TSO & VM/370-CMS)  
This marketing support manual describes the CALL-OS business Analysis/BASIC program.  
Manual

GH20-1265

HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM  
PHYSICIANS GUIDE - PROGRAM NUMBERS 5736-H15 AND 5734-H11

This publication describes the medical logic contained in the Health Care Support/Electrocardiogram (ECG) Analysis Program and lists all interpretive statements printed by the program. It is designed specifically to orient medical personnel to the medical criteria of the program.  
Manual

SH20-1268

CICS FEATURE OF DBOMP PROGRAM REFERENCE AND OPERATIONS  
MANUAL, PROG. NO. 5736-XX4

The Customer Information Control System (CICS) feature of the Data Base Organization and Maintenance Processor is a programming system designed to enable customer application programs to access and maintain Data Base Organization and Maintenance Processor Files. Tying together CICS and Data Base Organization and Maintenance Processor files, it provides the framework for an online data base/data communications system.

This manual includes a discussion of the system, information for and instructions to the systems analyst concerning installation of the system, information for and instructions to the application programmer concerning use of the CICS feature in his programming, and instructions for operating with the CICS feature.

This manual is intended primarily for systems personnel, application programmers, and operations personnel. Readers should be familiar with the concepts and terminology of both CICS and the Data Base Organization and Maintenance Processor.  
Manual, 172 pages

SH20-1270

HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM  
PROGRAM REFERENCE MANUAL AND OPERATIONS GUIDE

PROG. NOS. 5734-H11 (OS, OS/VS) AND 5736-H15 (DOS, DOS/VS)  
The IBM Health Care Support/Electrocardiogram (ECG) Analysis Program provides batch processing for the computerized analysis of electrocardiograms. The program provides rapid and consistent interpretation of ECG's to assist the cardiologist in today's medical environment.

This publication is designed to provide sufficient information to enable the user to understand the functions and operation of the program. The Operations Guide section is designed to provide the information necessary to install and execute the program. Module flowcharts and descriptions of internal variables will be found in the Logic Manual, while details on the medical logic will be found in the Physician's Guide.  
Manual, 140 pages

GH20-1271

ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP)  
GENERAL INFORMATION MANUAL - PROG. NO. 5796-PBH

This program provides engineers with a powerful tool for use in the design and reliability analysis of linear and nonlinear electrical networks. Although ASTAP is oriented primarily toward the analysis of electronic circuits, it can also be used to simulate any physical system which can be represented by a network model.

The program can be used for performing DC and AC steady-state as well as transient analysis. In addition, a Monte Carlo statistical simulation can be performed in conjunction with DC, AC, or transient analysis to predict the effect of component variations on network performance. A common user-oriented input language is provided for describing the network to be analyzed in any of the above modes.

A model library facility provides for the storage of device models, which can be recalled for use in specifying circuits. Entire circuits can also be stored and recalled for later analysis.

Through the use of advanced mathematical and programming techniques, this program permits very large networks to be analyzed in less time and with less demand for real memory. Although ASTAP was designed for operation under OS/MFT or OS/MVT, it has been tested under OS/VS1 in a virtual mode. When ASTAP is operated under OS/VS1, a circuit problem does not need to fit into available real storage in order to be executed. Under OS/VS1, large problems which could not otherwise be run in smaller machines can be accommodated.

This manual is intended for those desiring a general overview of the program's capabilities.  
Manual, 65 pages

GH20-1272

DATA BASE DESIGN EVALUATION (DBPROTOTYPE) GENERAL  
INFORMATION MANUAL - IUP NUMBER 5796-PBB

This manual contains introductory information about the purpose and capabilities of the six DBPROTOTYPE programs.  
Manual, 26 pages

GH20-1273

PROGRAMMING LANGUAGE FOR IMS-PLIMS GENERAL INFORMATION  
MANUAL - IUP NUMBER 5796-PBF

PLIMS, a macro language extension of PL/I, is a programming aid designed to reduce the programming effort required to produce IMS batch and/or teleprocessing programs. PLIMS statements are expanded during PL/I preprocessing into the declaratives, statements and procedures necessary to compile a complete IMS application program. This manual summarizes the PLIMS features and facilities, including the PLIMS statements available.  
Manual, 16 pages

SH20-1276

SELF-STUDY IMPLEMENTATION COURSE FOR HEALTH CARE SUPPORT  
ECG PROGRAM PRODUCT - PROG. NOS. 5734-H11 AND 5736-H15

This student guide contains the information and directions for using the Health Care Support/Electrocardiogram (ECG)

Analysis Program Product documentation. It is designed primarily for persons who will be performing the functions of installing, operating, and modifying the program. Manual, 52 pages

The chief purpose of this document is to prepare the user for the installation of this program product. Manual, 168 pages

## SH20-1277

SYSTEM/3 SHOP LOADING AND CONTROL PROGRAM REFERENCE MANUAL  
System/3 Shop Loading and Control consists of a group of programs designed to provide current information about a manufacturing facility and to assist management in effectively controlling production. The programs provide for the calculation of work center loads, the release of orders to the manufacturing facility, the creation and maintenance of records pertaining to the orders, the creation of shop documents to accompany the orders, the capability to update the records from shop feedback documents, the capability to print reports on the status of the orders, and the preparation and printing of a work list for shop supervisory personnel.

This manual describes System/3 Shop Loading and Control and provides information to enable the reader to install the program product. The audience includes systems analysts, programmers, and operating personnel.

The manual includes (1) a functional description of each program; (2) a description of all input/output files; (3) an explanation of and operation instructions for the sample problem; and (4) program modification aids to assist the user in making program changes for his shop loading and control system.

Manual, 290 pages

## GH20-1280

CUSTOMER INFORMATION CONTROL SYSTEM (CICS/VS)  
GENERAL INFORMATION MANUAL

PROGRAM NUMBERS CICS/OS/VS 5740-XX1 AND CICS/DOS/VS 5746-XX3  
The IBM Customer Information Control System (CICS/VS) is a virtual storage transaction oriented multiapplication data base/data communication interface between a System/370 operating system and user-written application programs. Applicable to most online systems, CICS/VS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational data entry.

CICS/VS is available in two systems one for DOS/VS users and one for OS/VS users. Because the CICS/DOS/VS system is compatible with the CICS/OS/VS system, it is possible to start with a small DOS/VS data base/data communication configuration and move up through DOS/VS into OS/VS.

This manual is designed for persons interested in a general description of CICS/VS and its data base/data communication capabilities.  
Manual, 96 pages

## SH20-1281

EPIC: STUDENT RECORD SYSTEM FOR EDUCATIONAL INSTITUTIONS OPERATIONS GUIDE  
PROGRAM NUMBER 5735-E94

The EPIC: Student Program Product establishes a student records data base. This package consists of a series of interrelated programs which provides a systematic procedure for the collection and reporting of student academic and attendance information. This manual describes the operating procedures to be followed when implementing the Program Product.

Manual, 148 pages

## SH20-1282

EPIC: FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL INSTITUTIONS OPERATIONS GUIDE - PROGRAM NUMBER 5735-E92

The EPIC: FAST program product employs a comprehensive systems approach to scoring and analyzing standardized tests. A program of interrelated programs provides for the establishment of user defined testing packages catalogued on disk. Each package consists of a scoring key, conversion tables, and specifications required to produce a series of test result reports. This manual provides the implementation procedures and operating procedures for this program product.

Manual, 148 pages

## SH20-1283

EPIC: FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL INSTITUTIONS USER'S MANUAL - PROG. NO. 5735-E92

The EPIC: FAST program product represents a comprehensive systems approach to scoring and analyzing standardized test. The product consists of a series of interrelated programs that provide for the establishment of user defined testing packages catalogued on disk. A testing package consists of a scoring key, conversion table, and specifications for test result reports. This manual provides the user with the information required to help him define his testing packages and testing requirements.

Manual, 232 pages

## SH20-1284

EPIC: STUDENT - STUDENT RECORD SYSTEM FOR EDUCATIONAL INSTITUTIONS USER'S GUIDE - PROGRAM NUMBER 5735-E94

EPIC: Student is designed to provide mark reporting and attendance accounting for elementary and secondary schools, and junior colleges. This document describes the general work flow and data organization of this program product.

## GH20-1289

ASYMMETRIC MULTIPROCESSING SYSTEM OPERATOR'S MANUAL,  
PROG. NO. 360A-CX-15X  
PROGRAM NUMBER 360A-CX-15X

This manual contains instructions that enable the computer operator to run the ASP system. ASP console operations are similar in most respects to those of the System/360 and System/370 Operating System (OS). Therefore, to avoid repetition of documentation, the material in this manual has been prepared with the assumption that the operator is familiar with the IBM Operating System. Details on OS operations are given in IBM System/360 Operating System: Operator's Reference (GC28-6691), IBM System/360 Operating System: Operator's Procedures (GC28-6692), Operator's Library OS/VS2 Reference (GC38-0210), and in their prerequisite and recommended publications.  
Manual, 204 pages

## GH20-1290

ASYMMETRIC MULTIPROCESSING SYSTEM: MESSAGES & CODES MANUAL,  
PROGRAM NUMBER 360A-CX-15X

This manual describes the messages and codes unique to the ASP system. It is designed to provide a reference for use by both the operator and the system programmer. Certain OS messages have been modified by ASP and those messages are contained in this manual.

Manual, 202 pages

## GH20-1291

ASYMMETRIC MULTIPROCESSING SYSTEM - APPLICATION PROGRAMMER'S MANUAL - PROGRAM NUMBER 360A-CX-15X

This manual contains information concerning system concepts programming considerations, control cards, deck setup, and output. OS is the primary operating system used for ASP; therefore, to avoid repetition of documentation, the material in this manual has been prepared on the assumption that the programmer is familiar with OS programming and has previously read the ASP Version 3 General Information Manual GH20-1173.

Manual, 75 pages

## GH20-1292

IBM S/360 AND S/370 ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM - SYSTEM PROGRAMMER'S MANUAL - PROGRAM NUMBER 360A-CX-15X

The ASP system is a multiprocessing operating system that provides a compatible extension to the Operating System (OS). Designed for the user with a large computer job-shop environment, ASP provides increased automation of the computing operation. The ASP system functions as a programmed operator of OS. It provides advanced scheduling facilities for optimizing total installation production.

This manual contains information on how to generate the ASP system from the distributed tape and how to customize the ASP system to fill the needs of each specific installation. It also provides a functional description of the ASP program and its many parts.  
Manual, 368 pages

## GH20-1293

IBM SYSTEM/370 MACHINING AND DISPLAY APPLICATION PROGRAM (MDAP) FOR IBM 5275 DIRECT NUMERICAL CONTROL STATION;  
GENERAL INFORMATION MANUAL, PROG. NOS. 5740-XN2 (OS) AND 5746-XN2 (DOS)

MDAP provides programming support for the IBM 5275 Direct Numerical Control Station under OS/VS or DOS/VS. This manual provides a general description of the program and a brief description of the 5275 station. It includes I/O description, system requirements, and a sample terminal session highlighting the use of the 5275 under MDAP control.  
Manual, 50 pages

## SH20-1300

DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK AND TRUST COMPANY ROCKY MOUNT, NORTH CAROLINA

PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROG. NO. 5796-ABL  
This manual is designed to provide the user with sufficient information to understand, install, and successfully use the package. Individual programs are described in detail through the use of a narrative, program flow chart, and associated operations run sheet. User input requirements and installation instructions are included.  
Manual, 272 pages

## SH20-1303

DBPROTOTYPE PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBB

This manual describes how to use and install the six DBPROTOTYPE programs.  
Manual, 162 pages

SH20-1304

PROGRAMMING LANGUAGE FOR IMS - PLIMS PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBF  
 PLIMS, a macro language extension of PL/I, is a programming aid designed to reduce the programming effort required to produce IMS batch and/or teleprocessing applications. Many teleprocessing functions have been preprogrammed so all the programmer has to do is code the corresponding PLIMS statement. This statement is expanded during PL/I, preprocessing into source statements customized to the application's program specification block (PSB). This manual describes the compilation of a PLIMS program, and the PLIMS statements, program variables, operates and attributes, and control parameters which affect compilation. Manual, 68 pages

instructions.  
 Manual, 203 pages

SH20-1321

DISTRIBUTION ORDER ENTRY SYSTEM LAG DRUG COMPANY CHICAGO, ILLINOIS - PROGRAM DESCRIPTION/OPERATIONS MANUAL PROG. NO. 5796-ABT  
 A general description of all programs in the Distribution Order Entry System may be found in this manual. Many of the programs are not standalone, but are called by other programs.  
 A step by step installation procedure for implementation of the sample program has been included. The INSTALLATION CONSIDERATIONS section should be read before any modifications are attempted.  
 Manual, 54 pages

SH20-1305

IMSMAP - DATA BASE MAPPING PROGRAMS - PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBC  
 The IMSMAP - Data Base Mapping Programs are DBMAP and PSBMAP. DBMAP builds and prints maps of IMS physical and logical data bases; PSBMAP builds and prints maps of IMS physical and logical data bases associated with program specification blocks. This manual describes the programs, their installation into the user's system, required JCL, map formats, several examples of each program, and the error messages.  
 Manual, 14 pages

SH20-1324

GENERALIZED CREATE/REORGANIZE UTILITY SYSTEM FOR S/370 EASTMAN KODAK PDOM - IUP NUMBER 5796-ACZ  
 The S/370 Generalized Create/Reorganize Utility System provides the Chained File Management System (CFMS) user the capability of decreasing file reorganization time by as much as ten to one. The system provides a highly efficient generalized set of utilities for creation and maintenance of CFMS files (both BDAM and ISAM). Major functions include high speed dump and restore of both BDAM and ISAM files, reorganization of individual chained files, expansion of master file space between reorganizations, and enhanced record addition capabilities for ISAM files. Any CFMS user currently expending 10 or more hours per month on reorganizations should achieve enough savings in the first 6 months of operation to justify the paid up license of this IUP.  
 Manual, 200 pages

SH20-1306

BTS (BATCH TERMINAL SIMULATOR) PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBD  
 The Batch Terminal Simulator (BTS) is a batch-oriented program designed to simulate IMS/360 with regard to the execution of application programs, both batch and teleprocessing. The facilities inherent in the BTS design philosophy provide the user with a comprehensive means of checking and debugging:  
 o Application program logic  
 o IBM/360 interfaces  
 o Teleprocessing activity  
 o Data base interaction  
 In addition, BTS provides a number of debugging aids and application performance impact statistics.  
 This publication provides a general description of BTS, and describes in detail the program's functional abilities and how to use them. The publication also includes explanations of BTS messages, and describes the BTS output listing.  
 Manual, 68 pages

SH20-1325

STUDENT RESPONSE ANALYSIS PROCESSORS (STRAP) FOR S/370 OHIO STATE UNIVERSITY PDOM - IUP NUMBER 5796-ACX  
 STRAP provides the user of Coursewriter III Program Products information about the response time and reactions of students to courses in development and use. It is useful in student counseling, general education program analysis work and research. It assists the instructor in evaluating the instructional procedures and provides comprehensive student data. It increases the participation of the instructor with the student in the computer aided instruction cycle.  
 Manual

SH20-1307

TEST IMS UTILITIES PROGRAM DESCRIPTION/OPERATIONS MANUAL IUP NUMBER 5796-PBE  
 The test IMS utilities include programs to create a test data base, compare an old and a new version of the same data base, list one or more records from a data base, and create an unloaded version of the data base. An integral part of the operation of the utilities is the segment description module, which contains a physical description of each field in every segment of a data base. This manual describes the operation and use of the utilities and the generation, format, and use of the segment description module. In addition, installation guidelines are provided, including test cases for all the utilities.  
 Manual, 120 pages

SH20-1328

RESPONSIBILITY ACCOUNTING SYSTEM - THE PHILADELPHIA NATIONAL BANK - PDOM NUMBER 5796-ACA  
 THE RESPONSIBILITY ACCOUNTING SYSTEM is a general ledger, cost accounting and budget performance monitoring system. It is implemented in a batch environment utilizing the Data Language/I data base facility of the Information Management System program product.  
 This manual includes a system overview, and detailed program and operational descriptions.  
 Manual, 468 pages

SH20-1308

JAMES ALLAN AND SONS ON-LINE ORDER SYSTEM PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5796-ABK  
 The James Allan and Sons On-Line Order System is a complete order processing system which provides for on-line order entry, order reporting, on-line order updating, invoice printing, and final reports. Also included in the system are maintenance functions which provide for initialization and resetting of required files, and loading of special files. Through the use of a system flowchart, program narratives, file layouts, and operations information, this manual describes the flow and functions of the system. This manual also contains information on minimum requirements, program modifications and installation considerations.  
 Manual, 318 pages

SH20-1341

DISTRIBUTION ORDER ENTRY SYSTEM, LAG DRUG CO.: IUP 5796-ABT DESCRIPTION/OPERATIONS  
 The Lag Drug visual display technique can provide needed information quickly to order takers. Distribution companies that take orders over the telephone require immediate information concerning their customers, warehouse inventory, current prices, discounts, free goods, special deals or promotions. Utilizing a flexible, combination approach of alpha dictionary or numeric entry, the Distribution Order Entry System can assist the distributor in improving customer service because items ordered are agreed upon with the customer and then entered correctly. This System not only helps increase customer service but also means less returned merchandise, sales increase, warehouse efficiency, reduction in order entry, lower investment and continuous increased performance.  
 Manual

SH20-1314

MULTICOLUMN DISTILLATION PROGRAM - PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PAH  
 No abstract available.  
 Manual, 120 pages

SH20-1342

THE TWIN FAIR MERCHANDISE PROCESSING SYSTEM - SYSTEM/370 CICS WITH 3270'S PROGRAM DESCRIPTION/OPERATION MANUAL - IUP NUMBER 5796-ADB  
 The Twin Fair Merchandise Processing System, installed at Twin Fair Distributors Corporation in Buffalo, New York, is a series of programs that provide the basis for an online, integrated data-based retail system. This Merchandise Processing System comprises areas common to all retailers, from entry of orders, through the receiving, checking and marking processes, to the entry and approval of invoices for payment. Merchandise Processing is the vital link between a retailer's merchandising system and his store level operations. As such, it is involved with the control of many of the major resources of a retailer, stores, warehouses, distribution centers, inventories, personnel and capital.  
 Using the power of the System/370, the 3270 Information Display System and CICS, the Twin Fair Merchandise Processing System addresses the following application areas:  
 online purchase order entry, online receiving and offline

SH20-1316

S/360/370 FILM LIBRARY MANAGEMENT SYSTEM (FLMS) PDOM 5796-ACW (UNIVERSITY OF IOWA) - IUP NUMBER 5796-ACW  
 Film Library Management System (FLMS) provides a comprehensive online management system for film libraries in colleges and universities, school systems, government agencies, and media companies. FLMS features online booking, file update, and inquiry via the IBM 3270 Display System operating under OS/CICS, allowing operational and management control to be retained by the film library staff.  
 The PDOM contains all the program descriptions and flowcharts of the system in addition to the operating

receiving (using OCR turnaround document) and online invoice entry and approval.  
Manual

teleprocessing. When the 3270 formatting feature is appended to BTS, applications using 3270 formatting can also be tested. Thus, 3270 format control blocks can be tested offline. This publication provides a general description of the BTS 3270 formatting feature, its capabilities and how to use them, as well as an explanation of 3270 output, messages and codes, and installation procedures.

This publication is intended for those who want to use BTS with the 3270 formatting feature. It is assumed that the reader is familiar with BTS and with the contents of the publication BTS Batch Terminal Simulator: Program Description/Operations Manual Order No. SH20-1306.  
Manual, 55 pages

## SH20-1343

FREIGHT BILL AUDIT AND RATING SYSTEM - IUP 5796-AEJ, DESCRIPTION/OPERATION

The Freight Bill Audit & Rating System, as installed at the Goodyear Tire and Rubber Company, is a unique traffic system that permits computer generated computation of the lowest charge for most truck and rail shipments of one or more (straight or mixed) commodities from any origin to any destination for which the data base has been created. The system also features computer audit (reconciliation) of most carrier freight bills prior to payment. Programs are provided which may be used to create and maintain an extensive data base of the shipper's traffic pattern.

This manual is designed to provide the user with sufficient information to understand, install, and successfully use the program. User installation and operator instructions are included.  
Manual

## SH20-1361

TEST DATA GENERATOR - IUP 5796-PBP, DESCRIPTION/OPERATIONS

Test Data Generator constructs data used in testing an application program. The user describes the characteristics of the data and supplies the "seed" for a random number generator; the program constructs test files containing randomly generated data and optionally gives the user a listing of what was generated. The use of Test Data Generator to create data for testing the logic of application programs should provide savings by not having to prepare test data manually, thus reducing programming time and eliminating the heavy volume of keypunching normally required to establish test files. It should also provide less biased data for the actual test. Frequently, it can eliminate or postpone the writing and testing of data file load programs.

This manual is intended for use by an application programmer who desires to use the Test Data Generator to construct test files for his program. A general knowledge of System/360 and System/370 concepts is assumed, as well as knowledge of the job control language.  
Manual, 180 pages

## SH20-1347

MICR OS TRANSIT SYSTEM DESCRIPTION/OPERATIONS - IUP NUMBER 5796-ADG

This manual is designed to provide the user with sufficient information to implement and maintain the package. Individual programs are described in detail through the use of Narratives, Program Flowchart, and Operating Instructions. User input requirements are included.

The MICR OS transit System was developed as an effective method of solving many of the banks critical check processing problems. The system is a three-pass transit system that supports up to 369 end points. It consists of sixteen programs, eight in Assembler and eight in ANS COBOL. Standard OS facilities are used for creating and accessing files. System design is modular to allow easy modification.

The system supports one IBM sorter per partition (either a 1419 or 2956). It creates and retains a data base of all items for image processing and pass to pass control. A sort pattern generator is used to define user requirements for editing and pocket selecting of items.

Image processing is provided to carry the incoming sequence number from first to second pass. Printing is queued and spooled concurrently with sorter operations. Pocket lights or divider slips can be used for kill indicators. Rejects are re-entered into the system via cards. An image tape is created on each pass for restart and rebuild.  
Manual

## SH20-1365

COMPUTER GENERATED CORRESPONDENCE, IUP 5796-AER, DESCRIPTION/OPERATION

The Computer Generated Correspondence System as installed at Fidelity Union Life Insurance Company, Dallas, Texas allows letters to be requested in two ways: on demand through an IBM 3270 visual display terminal or automatically from CFO daily cycle, agency and payroll systems. Pre-composed letters are stored on a DASD. Existing data bases are accessed to provide information such as policy number, name, address, etc., while variable data is entered when the letter is requested. The on-line and batch letter requests are combined, sorted by letter type and printed. During the print run, the pre-composed letter is extracted from the letter and the variable information is inserted at its proper place. Usage statistics are maintained by letter type. To optimize DASD utilization and to avoid data duplication, all words in the pre-composed letter file are maintained as codes which point to word dictionaries. The facility exists to generate multiple copies of the same letter and also to prepare envelopes.  
Manual

## SH20-1358

S/370 CICS ON LINE TEST/DEBUG CON EDISON - IUP 5796-AEF, DESCRIPTION/OPERATIONS

CICS On-Line Test/Debug provides the programmer with the facilities to test and debug application programs or user files while CICS is operating by entering command statements via a 3270 Information Display System. The features include the ability to display any location in main memory of the machine, alter any location within the CICS job step boundaries, stop the execution of a specific CICS task at a specific address within an application program, display and alter storage records on any data set available to the CICS job step, immediately update changes made to storage records on file, and open or close files on-line. In effect, this program provides a programmer with access to a 3270 the ability to "console debug" programs without interrupting the normal operation of your installation.  
Manual, 72 pages

## SH20-1368

DATA COMMUNICATION ANALYZER (DCANALYZER) IUP 5796-PCA, DESCRIPTION/OPERATIONS

The Data Communication Analyzer (DCANALYZER) program is designed to assist the user in evaluating design alternatives for IMS data base/data communications systems. It produces relative data on service times and throughput of transactions processed on iterative runs of DCANALYZER under varying design combinations. The user can analyze and compare this data to select the design best suited to his needs.

This manual discusses the capabilities of DCANALYZER, defines the operating instructions, and lists error messages. In addition, it provides installation guidelines and sample problems. This manual is both a system description and operations reference document.  
Manual, 63 pages

## SH20-1359

S/370 CICS/COBOL CALL INTERFACE NATIONAL BANK OF DETROIT 5796-AEG DESCRIPTION/OPERATIONS

Current users of the Customer Information Control System (CICS) who are writing application programs in ANS COBOL usually with Assembler Language macros in the middle of their application programs. This procedure requires the use of the CICS Preprocessor Program and two compilations of the program, one for the Assembler Language macros and one for the COBOL.

This program provides a COBOL/CICS interface technique which eliminates the use of the CICS Preprocessor Program and makes the writing and debugging of ANS COBOL/CICS application programs considerably easier. The system consists of 12 modules, one for each of the CICS management functions, and a Resident Interface Module. When the COBOL application programmer requires a CICS service, rather than write an Assembler Language macro, he simply codes a predefined COBOL CALL statement passing a list of parameters depending upon the service requested. The test CICS macro is then issued in the subsequently called CICS Service Handler and control is returned to the requesting COBOL program upon completion of the CICS service.  
Manual, 178 pages

## SH20-1372

TERMTEXT/FORMAT - IUP 5796-PBR - DESCRIPTION/OPERATIONS

TERMTEXT/Format was designed for the in-house publisher of books, catalogs, directories, and technical manuals. Coupled with the power and versatility of the Advanced Text Management System (ATMS), it provides the total facilities of text entry and correction through typewriter like and display terminals, and comprehensive page makeup. TERMTEXT/Format accepts text from ATMS and automatically puts it in the format requested by the user. Pre-defined formats, called "profiles", can be established once and then used as required.  
Manual

## SH20-1373

TERMTEXT/FORMAT - IUP 5796-PBR - SYSTEM INFORMATION

TERMTEXT/Format was designed for the in-house publisher of books, catalogs, directories, and technical manuals. Coupled with the power and versatility of the Advanced Text Management System (ATMS), it provides the total facilities of text entry and correction through typewriter like and display terminals, and comprehensive page makeup. TERMTEXT/Format accepts text from ATMS and automatically

## SH20-1360

3270 FORMATTING FEATURE FOR BATCH TERMINAL SIMULATOR (BTS) IUP 5796-PBD DESCRIPTION/OPERATIONS

The Batch Terminal Simulator (BTS) is a batch-oriented program designed to simulate IMS/360 with regard to the execution of application programs, both batch and

puts it in the format requested by the user. Pre-defined formats, called "profiles", can be established once and then used as required.  
Manual

## SH20-1385

DISTRIBUTION ORDER ENTRY SYSTEM FOR SYSTEM 360/370 WITH 3270'S 3340 SUPPORT - IUP 5796-ABT, DESCRIPTION/OPERATIONS

The Lag Drug visual display technique can provide needed information quickly to order takers. Companies that take orders over the telephone require immediate information concerning their customers, warehouse inventory current prices, discounts, free goods, special deals or promotions. Utilizing a flexible, combination approach of alpha dictionary or numeric entry, the Lag Order Entry System can assist the distributor in improving customer service because items ordered are agreed upon with the customer and then entered correctly. This System not only helps increase customer service but also means less returned merchandise, Sales increase, warehouse efficiency, reduction in order entry, lower investment and continuous increased performance. This feature supporting the 3340, is an added feature to the original DOES System.

This manual is designed to provide the user with sufficient information to understand, install, and successfully use the program. User installation and operator instructions are included.  
Manual

## GH20-1403

IBM SYSTEM/360 AND SYSTEM/370 ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM LOGIC MANUAL - PROGRAM NUMBER 360A-CX-15X

The ASP System is a multiprocessing operating system that provides a compatible extension to the Operating System (OS). Designed for the user with a large computer job-shop environment, ASP provides increased automation of the computing operation. The ASP system functions as a programmed operator of OS. It provides advanced scheduling facilities for optimizing total installation production.

This manual describes the logic of ASP. It is designed for those who maintain and modify the ASP system.  
Manual

## SH20-1405

ALPHA SEARCH INQUIRY SYSTEM PROGRAM REFERENCE MANUAL

The IBM Alpha Search Inquiry System provides the facility to create, maintain, reorganize, and display a file containing customer names and all associated contract numbers. The program product is comprised of five programs. The inquiry program runs as an application program under CICS/DOS Entry (5736-XX6), CICS/DOS Standard (5736-XX7), or CICS/OS Standard (5734-XX7), and utilizes the special features offered by the 3270 Information Display System. The programs that constitute the system run under DOS/VS, OS/VS1, or OS/VS2 on System/370 or under one of these system control programs operating under System/370 VM/370.

This manual provides information essential for persons who have the responsibility to define, prepare, and administer the Alpha Search Inquiry System in the environment it supports. Knowledge of the information available on the current files and the formats of what information is required, as is knowledge of the operating system used by the installation, the Customer Information Control System (CICS), and the 3270 Information Display System.

Manual, 100 pages

## SH20-1406

ALPHA SEARCH INQUIRY SYSTEM OPERATIONS GUIDE

This manual presents the information required to create, maintain, and execute the Alpha Search Inquiry System programs. These programs run on a System/370 operating under DOS/VS, OS/VS1 or OS/VS2, or under one of these system control programs operating under VM/370. This manual is divided into two parts. The first part contains eight sections which describe the control cards and procedures necessary to create, maintain, and execute each program under DOS/VS and OS/VS. The final part entitled "Terminal Operator's Guide" discusses the use and options of the Alpha Search Inquiry Program.

This manual is to be used by those persons who have the responsibility of maintaining the Alpha Search Inquiry System and those who work with the IBM 3270 Information Display Station and the Alpha Search Inquiry System. Knowledge of the installation's operating system and system libraries is required by those who provide maintenance. The terminal operator must have knowledge of the IBM 3270 operation.  
Manual, 50 pages

## GH20-1408

ADVANCED TEXT MANAGEMENT SYSTEM, OS AND DOS VERSIONS GENERAL INFORMATION ATMS/OS PROGRAM PRODUCT NUMBER 5740-XX3 ATMS/DOS PROGRAM PRODUCT NUMBER 5746-XX4

The Advanced Text Management System (ATMS) consists of control and functional programs that direct many text processing activities simultaneously through typewriter-like terminals or an information display system attached to an IBM System/370. Written to operate under the IBM CICS/OS (5734-XX7) and CICS/DOS-STANDARD (5736-XX7) Program

Products, ATMS runs in a multiprogramming environment. It will run concurrently with, and independently of, other applications within the CICS environment, as well as tasks in other partitions or regions.

This publication contains a general description of the features of the program, an indication of some of the areas in which it may be applied, and the machine configuration required.  
Manual

## SH20-1409

PURCHASING PROGRAM REFERENCE MANUAL - PROGRAM PRODUCTS 5736-XX5 AND 5734-XXA

The IBM Purchasing program product is designed to automate many of the clerical aspects of the purchasing department's function through the use of a data base which facilitates purchase order creation, maintenance, follow-up, and review.

The IBM Purchasing program product is designed to bring current information about the status of purchased goods to the attention of management while there is still time for decisions to be made and acted upon.

This manual describes the IBM Purchasing program product and provides information to enable the reader to install the program product. The audience for this manual includes system analysts, programmers, and certain operating personnel.  
Manual, 333 pages

## SH20-1410

PURCHASING, OPERATIONS GUIDE (OS) - PROGRAM NUMBER 5734-XXA

The IBM Purchasing program product is designed to automate many of the clerical aspects of the purchasing department's function through the use of a data base which facilitates purchase order creation, maintenance, follow-up, and review.

The program product consists of twelve programs to aid in the implementation of the purchasing application. It is designed to bring current information about the status of purchased items to the attention of management while there is still time for decisions to be made and acted upon.

This manual contains information regarding preparatory and operating procedures for the programs. It includes a complete list of the error messages that can be produced by the programs. The audience for this manual includes customer operating personnel, systems analysts, and programmers. The prerequisite for the use of this manual is a knowledge of the Operating System and the IBM System/360 Chained File Management System of OS Requirements Planning.  
Guide

## SH20-1412

PURCHASING, OPERATIONS GUIDE (DOS) PROGRAM NO. 5736-XX5

The IBM Purchasing program product is designed to automate many of the clerical aspects of the purchasing department's function through the use of a data base which facilitates purchase order creation, maintenance, follow-up, and review.

The program product consists of twelve programs to aid in the implementation of the purchasing application. It is designed to bring current information about the status of purchased items to the attention of management while there is still time for decisions to be made and acted upon.

This manual contains preparatory and operating procedures for the programs. It includes a complete list of the error messages that can be produced by the programs. The audience for this manual includes customer operating personnel, systems analysts, and programmers. The prerequisite for the use of this manual is a knowledge of the Disk Operating System and either the Bill of Material Processor or the Data Base Organization and Maintenance Processor.  
Manual

## SH20-1413

SYSTEM/370 APT - AC NUMERICAL CONTROL PROCESSOR OPERATION GUIDE PROG. PROD. 5740-M53

This manual provides suggested processor generation and maintenance procedures, processor execution instructions, halts and error messages, and storage map.  
Manual

## SH20-1414

SYSTEM/360 APT-AC NUMERICAL CONTROL PROCESSOR PROGRAM REFERENCE MANUAL VOL. I PROG. NO. 5740-M53

System/370 Automatically Programmed Tool - Advanced Contouring (APT-AC) is a program product which features a symbolic language designed to simplify the preparation of instructions for numerically controlled machine tools. This manual provides the details of the APT-AC language. Included are special features, system configuration, and appendices which fully describe all the features of the program product.  
Manual

## SH20-1416

SYSTEM/370 APT-IC NUMERICAL CONTROL PROCESSOR OPERATIONS GUIDE - PROG. NO. 5740-M52

This manual provides suggested processor generation and maintenance procedures, processor execution instructions, halts and error messages, and storage map.  
Manual, 36 pages

SH20-1417

SYSTEM/370 APT-IC NUMERICAL CONTROL PROCESSOR PROGRAM REFERENCE MANUAL - VOLUME 1 PROG. NO. 5740-M52  
System/370 Automatically Programmed Tool -- Intermediate Contouring (APT-IC) is a program product which features a symbolic language designed to simplify the preparation of instructions for numerically controlled machine tools. This manual provides the details of the APT-IC language. Included are language structure and elements, special features, system configuration, and appendices which fully describe all the features of the program product.  
Manual, 596 pages

SH20-1419

SYSTEM/370 APT-BP NUMERICAL CONTROL PROCESSOR PROGRAM REFERENCE MANUAL VOLUME I - PROGRAM NUMBER 5740-M51  
System/370 Automatically Programmed Tool - Basic Positioning (APT-BP) is a program product which features a symbolic language designed to simplify the preparation of instructions for numerically controlled machine tools. This manual provides the details of the APT-BP language. Included are language structure and elements, special features, system configuration, and appendices which fully describe all the features of the program product.  
Manual

SH20-1420

SYSTEM/370 APT-BP OPERATIONS GUIDE - PROGRAM NUMBER 5740-M51  
This manual provides suggested processor generation and maintenance procedures, processor execution instructions, halts and error messages, storage map and restart procedures.  
Manual

SH20-1422

CREDIT MANAGEMENT SYSTEM PROGRAM REFERENCE AND OPERATIONS MANUAL - PROGRAM NUMBER 5799-ADE, PRPQ WB4982  
The Credit Management System is an application oriented system that extends the facility of DMS to provide for the specific needs of the credit card issuing and consumer service industries. It provides an array of powerful services tailored to address the unique aspects of this application without limiting the user's approach to managing credit. It simplifies the task of implementing an interactive system for credit card and receivables management.  
Manual, 210 pages

GH20-1423

SYSTEM/370 APT-AC NUMERICAL CONTROL PROCESSOR PROGRAM NUMBER 5740 - M53  
GENERAL INFORMATION MANUAL  
System/370 Automatically programmed Tool - Advanced Contouring (APT-AC) is a program Product designed to simplify the preparation of instructions for numerically controlled machine tools. This manual provides an introduction to the N/C language. Included are language structure and elements, special features, system configuration, and an appendix which details technical information of the DAPP feature of the program Product.  
Manual

GH20-1424

SYSTEM/370 APT-IC NUMERICAL CONTROL PROCESSOR GENERAL INFORMATION MANUAL - PROG. NO. 5740-M52 (IC)  
System/370 Automatically Programmed Tool Intermediate Contouring (APT-IC) is a Program Product designed to simplify the preparation of instructions for numerically controlled machine tools. This manual provides an introduction to the N/C language. Included are language structure and elements, special features, system configuration, and an appendix that details technical information on the DAPP feature of the Program Product.  
Manual, 96 pages

SH20-1456

DISPLAY MANAGEMENT SYSTEM II (DMS II) OS/V5 OPERATIONS GUIDE PROGRAM NUMBER 5734-XC4  
The Display Management System II is a set of programs designed to simplify the implementation of online data processing systems. This manual is intended for operations personnel concerned with the operation of the program product. It contains sufficient information to allow the user to generate and incorporate the Display Management System II into a system for subsequent execution under control of the IBM Customer Information Control System. Information is included for system maintenance and terminal operation. Error messages are included.  
Manual, 64 pages

SH20-1457

DISPLAY MANAGEMENT SYSTEM II (DMS II) OS/V5 PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XC4  
The Display Management System II is a set of programs designed to simplify the implementation of online data processing systems. The display management, file management, and message handling capabilities of DMS II make it possible to implement many new existing applications in an online environment with little or no user programming. The manual is intended for system analysts and

programmers responsible for installing and using the system. The purpose of the manual is to provide sufficient information to enable the user to understand the functions of the system, the programs constituting the system, and the effort required for successful installation.  
Manual, 224 pages

GH20-1459

PLANNING SYSTEMS GENERATOR ON VM/370 (PSG/CMS): GENERAL INFORMATION MANUAL, PROG. NO. 5748-XT1  
This manual provides an overview of PSG/CMS, describing the program features, usage, system requirements, customer responsibilities, sample problem and reference material.  
Manual, 30 pages

SH20-1461

APL SHARED VARIABLES (APLSV) PROGRAMMING RPQ WE1191 OPERATIONS GUIDE - PROGRAM NUMBER 5799-AJF  
This manual contains the information necessary to install, operate and maintain APLSV and TSIO. TSIO is an IBM supplied auxiliary processor which provides access to Operating System data sets from APLSV terminals. The use of TSIO is optional.  
The programming RPQ described in this manual and all licensed materials available for it, are provided by IBM on a special quotation basis only, under the terms of the License Agreement for IBM Program Products. Your local IBM branch office can advise you regarding the special quotation and ordering procedures.  
Manual, 198 pages

SH20-1463

APL SHARED VARIABLES (APLSV) PROGRAMMING RPQ WE1191 TSIO PROGRAM REFERENCE MANUAL - PROG. NO. 5799-AJF  
This manual describes the use of an auxiliary processor which makes available to the user of APLSV many of the data management facilities of the host operating system, OS/V5. The programming RPQ described in this manual, and all licensed materials available for it, are provided by IBM on a special quotation basis only, under the terms of the License Agreement for IBM Program Products. Your local IBM branch office can advise you regarding the special quotation and ordering procedures.  
Manual, 348 pages

GH20-1466

CREDIT MANAGEMENT SYSTEM II GENERAL INFORMATION MANUAL PROG. NO. 5799-AHJ  
Programming RPQ to Display Management System II. It contains introductory and overview material of the system.  
Manual, 48 pages

SH20-1467

CREDIT MANAGEMENT SYSTEM II PROGRAM REFERENCE MANUAL AND OPERATIONS GUIDE - PROG. NO. 5799-AHJ  
Credit Management System II Programming RPQ to DMS II. It gives the information necessary for the user to retrieve the source code, assemble the programs, run the sample problem, and install and operate the system.  
Manual, 244 pages

SH20-1468

PLANNING SYSTEMS GENERATOR ON VM/370 (PSG/CMS): TERMINAL USER'S GUIDE, PROG. NO. 5748-XT1  
100  
This manual describes the commands provided by PSG/CMS that enable the user to run his PSG/CMS programs from the terminal.  
Manual, 47 pages

SH20-1469

PLANNING SYSTEMS GENERATOR ON VM/370 (PSG/CMS): OPERATIONS GUIDE, PROG. NO. 5748-XT1  
This manual provides the information needed to install and maintain PSG/CMS.  
Manual, 14 pages

SH20-1470

SYSTEM/370 MDAF FOR THE 5275: PROG. PROD. 5740-XN2 (OS/V5) REFERENCE MANUAL & OPERATIONS GUIDE

The System/370 Machining and Display Application Program (MDAF) provides programming support for the IBM 5275 Direct Numerical Control Station under OS/V5.  
This publication is designed to provide sufficient information to enable the user to understand the functions and operation of MDAF. The Operations Guide section provides the information necessary to install and execute MDAF. Module flowcharts and descriptions of internal variables will be found in the Logic Manual, while details on terminal operation will be found in the Terminal User's Guide.  
Manual, 129 pages



SH20-1471

MACHINE AND DISPLAY APPLICATION PROGRAM (MDAP) TERMINAL USERS GUIDE PROGRAM NUMBERS 5740-XN2, 5746-XN2  
The IBM 5275 Direct Numerical Control Station is a terminal which, when combined with the Machining and Display Application Program (MDAP), is used to increase productivity in a numerical control environment, eliminating several problems of conventional numerical control systems. The System/370 Machinery and Display Application Program (MDAP) is a program product available under OS/VS and DOS/VS which provides host computer support for the 5275 Direct Numerical Control Station.

This manual provides instructions for the use of the terminal and the product. It includes a description of the features of the terminal and a section that may allow the user to identify the failing system component in case of system failure. The organization of the manual follows the processing of a representative part program using the system.  
Manual

SH20-1472

INTERACTIVE TRAINING SYSTEM COURSE AUTHORIZING GUIDE EXPANDED COURSE STRUCTURING FEATURE

This publication is intended for those who will develop, create, and maintain course materials in the IBM Interactive Training System environment. It includes descriptions of the course development process, preparation of the course materials, and the authoring commands and course material formats for system entry.  
Manual

SH20-1492

SYSTEM/370 MACHINING & DISPLAY APPLICATION PROGRAM (MDAP) FOR THE IBM 5275 DIRECT NUMERICAL CONTROL STATION PROG. REFERENCE MANUAL & OPERATIONS GUIDE  
PROG. NO. 5746-XN2 (DOS/VS)

The System/370 Machining and Display Application Program (MDAP) provides programming support for the IBM 5275 Direct Numerical Control Station under DOS/VS.

This publication is designed to provide sufficient information to enable the user to understand the functions and operation of MDAP. The Operations Guide section provides the information necessary to install and execute MDAP. Module flowcharts and descriptions of internal variables will be found in the Logic Manual, which details on terminal operation will be found in the Terminal User's Guide.  
Manual, 152 pages

GH20-1493

A GUIDE TO AN ONLINE PURCHASING SYSTEM

The purpose of this guide is to provide the user of the Purchasing Program Product with a suggested approach to converting his batch or manual purchasing system to an online system. A general description of the data base and programs is given. This manual is directed to personnel at all levels. The material is organized to allow either a brief introduction to the general design and benefits or such a system, or possible implementation.  
Manual, 225 pages

SH20-1494

HEALTH CARE SUPPORT/ACCOUNTING SYSTEM PROGRAM REFERENCE MANUAL - PROG. NO. 5746-H14

The Health Care Support/Accounting System provides hospital accounting for a standalone or multiple-hospital environment. The participating hospitals may be connected to the central System/370 facility by teleprocessing terminals. The Accounting System consists of the Accounting Base Programs (5746-H14) and an Accounting Application feature (6001, 6002, or 6003).

The Accounting System records and processes data related to inpatient and outpatient billing, accounts receivable, and general ledger and facilitates the automatic preparation of Medicare and other insurance billing forms. Communication with the central facility in a shared environment is handled by the Health Care Support/Data Communications program product (5746-H13) and the Customer Information Control System (CICS).

The basic publication provides information on the Accounting System that will enable the user to understand the functions of the programs and guide him in installing the system.

As this document is written as a reference manual and not as a study text, it should be used for education purposes in conjunction with the General Information Manual (GH20-1179) and the Operations Guide (SH20-1501).

This manual is written for systems engineers or programmers with a thorough understanding of DOS/VSAM, COBOL and System/370 Assembler Language.  
Manual, 324 pages

GH20-1496

SYSTEM/370 ENERGY MANAGEMENT SYSTEM GENERAL INFORMATION MANUAL PROGRAM NUMBER 5740-U11

The IBM System/370 Energy Management System is designed to provide electric utilities with a consolidated system for monitoring and controlling power generation, transmission, and distribution.

This manual is intended for persons interested in a general description of System/370 Energy Management System.

It provides helpful information for installation planning and evaluation. The reader is assumed to have a general knowledge of the electric utility industry, and of the functions provided by the IBM Program Product, System/7 Energy Management System (5707-U11).  
Manual, 60 pages

SH20-1497

HEALTH CARE SUPPORT/DATA COMMUNICATIONS PROG. NO. 5746-H13 - REFERENCE MANUAL

The Health Care Support/Data Communications Program provides a teleprocessing interface for the users of the Health Care Support/Accounting System (5746-H14), the Health Care Support/Laboratory Information System (5746-H12), and user programs. Data may be transmitted from, and output reports may be directed to, terminals in remote locations. The data entry facilities accept data batches from keyboard or card-reader terminals. The terminal report facilities provide for automatic or request only report printing. In addition, a central site print facility is available. Real time control facilities are provided for system control and administration personnel.

The Data Communications Program consists of teleprocessing and batch application programs. They are written in Assembler and ANS COBOL. The programs execute under the control of the Customer Information Control System (CICS/DOS Standards) (5736-XX7) program product in a Disk Operating System/Virtual Storage (DOS/VS) (5745-010) environment.

This publication provides the information necessary for understanding the functions of the Data Communications Program. Topics covered are file descriptions, work area descriptions, processing descriptions, table descriptions, sample problem, and minimum system requirements.  
Manual, 40 pages

GH20-1500

FREIGHT AND EQUIPMENT REPORTING SYSTEM FOR TRANSPORTATION/VIRTUAL SYSTEM (FERST/VS) GENERAL INFORMATION MANUAL  
PROG. NOS. 5795-AAF MESSAGE SWITCHING (OS), 5795-AAG (DOS) 5795-AAH EQUIPMENT CONTROL (OS) 5795-AAJ (DOS) 5795-AAK FREIGHT BILLING (OS), 5795-AAL (DOS)

Freight and Equipment Reporting System for Transportation/Virtual System (FERST/VS) is an advanced teleprocessing system operating under CICS/VS. It can provide the operations management of a motor freight carrier with timely and accurate information.

FERST/VS Message Switching provides point-to-point and multi-destination routing, group broadcasting, resend and reroute capability, and conversational edit and error correction.

FERST/VS Equipment Control provides real time reporting of linehaul equipment departures and arrivals. Inquiries and reports provide timely information regarding equipment location and status. By using system messages to associate shipments and equipment, the user can monitor the current shipment locations.

FERST/VS Freight Billing provides online entry and editing of freight bills. The system inquiry and reporting capabilities address trailer summary manifests, freight bill delivery receipts, invoices, inactive freight reports, and management reports.

This manual contains a general description of the system and the systems approach taken. It introduces the reader to the system and serves as a guide for early planning.  
Manual, 164 pages

SH20-1501

HEALTH CARE SUPPORT/ACCOUNTING SYSTEM OPERATIONS GUIDE  
PROG. NO. 5746-H14

The Health Care Support/Accounting System provides hospital accounting for a standalone or multiple-hospital environment. The participating hospitals may be connected to the central System/370 facility by teleprocessing terminals. The Accounting System consists of the Accounting Base Program (5746-H14) and an Accounting Applications feature (6001, 6002, or 6003).

The Accounting System records and processes data related to inpatient and outpatient billing, accounts receivable, and general ledger and facilitates the automatic preparation of Medicare and other insurance billing forms. Communication with the central facility in a shared environment is handled by the Health Care Support/Data Communications Program Product (5746-H13) and the Customer Information Control System (CICS).

This basic publication gives the specifications and necessary information for operating the Accounting System programs. It includes a description of retrieving data from distributed machine-readable material and cataloging programs in the user's core image library. Use of this manual requires an operating knowledge of the IBM Disk Operating System/Virtual Storage (DOS/VS) job control and operating procedures.

This document is written as a reference manual for central operation and user-hospital personnel. User hospitals will find guidance for installation preparation, data coding and creation, and options available during operation. For education purposes, this manual should be used in conjunction with the General Information Manual (GH20-1179) and the Program Reference Manual (SH20-1494), conjunction with the General Information Manual (GH20-1179) and the Prog. Reference Manual (SH20-1494).  
Manual, 707 pages

## GH20-1502

FASTER LANGUAGE FACILITY FOR THE CUSTOMER INFORMATION CONTROL SYSTEM - PROG. NOS. 5740-XX1, 5746-XX3

The FASTER Language Facility is a feature of CICS/DOS/VS and CICS/OS/VS which makes it possible to run many FASTER Transaction Processing Descriptions (TPDs) under CICS/VS.

The feature consists of a set of language macros and processing routines designed as a conversion aid for users of the five FASTER systems. All language processing macros present in the FASTER programs are present in the FASTER Language Facility.

The FASTER Language Facility design utilizes CICS/VS facilities wherever possible (example: CICS/VS paging and terminal device independent routines), thus allowing the user to take advantage of CICS/VS functions.

This manual is intended for persons interest in a general description of the FASTER Language Facility and its capabilities.  
Manual, 20 pages

## SH20-1503

HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM REPORTING PROGRAM REFERENCE MANUAL PROGRAM NUMBER 5746-H12

The Health Care Support/Laboratory Information System Reporting provides data processing support for hospital clinical laboratories. Operating under the Health Care Support/Accounting Base Program, the program handle batched input of laboratory requisitions and test results, producing laboratory reports for use throughout the hospital.

The program design allows tailoring of formats and procedures to meet the separate needs of several hospitals sharing a common computer. Input and output of the system may use the Health Care Support/Data Communications Program, allowing remote data entry and remote report production. The laboratory application programs complement the Health Care Support/Accounting Application Program through the use of a common admission procedure and automatic charge generations.

This publication provides information on the Health Care Support/Laboratory Information System - Reporting, enabling the user to understand the functions of all programs as a guide for installation. This document is written as a reference manual, not as a study text. For educational purposes this manual should be used in conjunction with the General Information Manual (GH20-1190), the Operations Guide (SH20-1504), and the Laboratory Manual (SH20-1505).  
Manual, 99 pages

## SH20-1504

HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM - REPORTIN OPERATIONS GUIDE PROGRAM NUMBER 5746-H12

The IBM Health Care Support/Laboratory Information System Reporting provides data processing support for hospital clinical laboratories. The programs handle batched input of laboratory requisitions and test results, producing laboratory reports for use throughout the hospital.

The program design allows tailoring of formats and procedures to meet the separate needs of several hospitals sharing a common computer. As an option, the system may use the Health Care Support/Data Communications programs for input and output, allowing remote data entry and report production. The laboratory/application programs complement the Health Care Support/Accounting application programs through the use of a common admission procedure and automatic charge generation.

This basic publication gives the necessary information for the operation of this program product. It includes a description of retrieving data from the distributed machine-readable material and cataloging programs in the user's system libraries. Use of this manual requires an operating knowledge of the IBM Disk Operating System Virtual Storage (DOS/VS) job control cards and operating procedures.

This document is written as a reference manual for central operation personnel. For educational purposes, it should be used in conjunction with the General Information Manual (GH20-1190), and the Program Reference Manual (SH20-1503).

User-hospital personnel will find guidance for data creation and coding in preparation for installation and information on options available during operation on the Laboratory Manual (SH20-1505).  
Manual, 127 pages

## SH20-1505

HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM - REPORTIN LABORATORY MANUAL PROGRAM NUMBER 5746-H12

The IBM Health Care Support/Laboratory Information System - Reporting provides data processing support for hospital clinical laboratories. The programs handle batched input of laboratory requisitions and test results, producing laboratory reports for use throughout the hospital. The program design allows tailoring of formats and procedures to meet the separate needs of several hospitals sharing a common computer. Input and output of the system may optionally use the Health Care Support/Data Communications Program, which allows remote data entry and report production. The laboratory application programs complement the Health Care Support/Accounting Application Program through the use of a common admission processor and automatic charge generation.

This publication provides specific information for installation planning and operation of the Health care Support/Laboratory Information System - Reporting. Detailed discussions cover available system options and user options,

preparation of master file data, preparation of daily input to the system, and interpretation of output from the system.

This document should be used as a reference by both user hospital personnel and central operations personnel during the entire life of the system.

Discussions in this manual mention the Health Care Support/Accounting System. For more details, refer to Health Care Support/Accounting System Program Reference Manual (SH20-1494).  
Manual, 159 pages

## GH20-1506

PLANNING SYSTEM GENERATOR UNDER THE OS/VS2 TIME SHARING OPTION (PSG/TSO) GENERAL INFORMATION MANUAL PROGRAM NUMBER 5740-XT1

Planning Systems Generator under the OS/VS2 Time Sharing Option (PSG/TSO) produces and evaluates a variety of business and financial plans. It allows the planner to develop and execute his business and financial plans, from a terminal, under TSO.

PSG/TSO is easy, to use for entering planning models, planning data, and print specifications. Plan generation and reporting facilities can also be initiated using simple commands at a terminal keyboard.

To the planner engaged in company or departmental planning, financial modeling, budget planning, marketing projections, investment strategies, etc., PSG/TSO provides a computing facility with the fast response needed to evaluate several alternatives rapidly.

This manual provides an overview of PSG/TSO, describing the program features, usage, system requirements, customer responsibilities, sample problem, and reference material.  
Manual, 29 pages

## SH20-1507

HEALTH CARE SUPPORT/DATA COMMUNICATIONS PROGRAM OPERATIONS GUIDE PROGRAM NUMBER 5746-H13

The Health Care Support/Data Communications Program provides a teleprocessing interface for the users of the Health Care Support/Accounting System (5746-H14), the Health Care Support/Laboratory Information System (5746-H12), and user programs. Data may be transmitted from, and output reports may be directed to, terminals in remote locations. The data entry facilities accept data batches from keyboard or card-reader terminals. The terminal report facilities provide for automatic or request only report printing. In addition, a central-site print facility is available. Realtime control facilities are provided for system control and administration personnel.

The Data Communications Program consists of teleprocessing and batch application programs. It is intended for use with the DOS Standard version of the Customer Information Control System (5736-XX7).

This publication provides the information necessary for the installation and operation of the Data Communications Program. Topics covered are the installation procedure, data queue formatting procedures, operating procedures, minimum system requirements, and program messages.  
Manual, 50 pages

## SH20-1508

PLANNING SYSTEMS GENERATOR UNDER THE OS/VS2 TIME SHARING OPTION (PSG/TSO) OPERATIONS GUIDE PROGRAM NUMBER 5740-XT1

Planning Systems Generator under the OS/VS2 Time Sharing Option (PSG/TSO) produces and evaluates a variety of business and financial plans. It allows the planner to develop and execute his business and financial plans, from a terminal, under OS/VS2 TSO.

PSG/TSO is easy to use for entering planning models, planning data, and print specifications. Plan generation and reporting facilities can also be initiated using simple commands at a terminal keyboard.

To the planner engaged in company or department, planning, financial modeling, budget planning, marketing projections, investment strategies, etc., PSG/TSO provides a computing facility with the fast response needed to evaluate several alternatives rapidly.

This manual provides the information needed to install and maintain PSG/TSO.  
Manual, 20 pages

## SH20-1509

PLANNING SYSTEMS GENERATOR UNDER THE OS/VS2 TIME SHARING OPTION (PSG/TSO) USER'S GUIDE - PROG. NO. 5740-XT1

Planning Systems Generator under the OS/VS2 Time Sharing Option (PSG/TSO) produces and evaluates a variety of business and financial plans. It allows the planner to develop and execute his business and financial plans, from a terminal under OS/VS2 TSO.

This manual describes the commands provides by PSG/TSO that enable the user to run his PSG/TSO programs from the terminal. A more detailed description of many of the PSG/TSO capabilities may be found in the Planning Systems Generator II (PSG II) Program Reference Manual (SH20-1042).  
Manual, 56 pages

## GH20-1512

GENERAL INFORMATION MANUAL COMMERCIAL LOAN SYSTEM

Contains information of the Banking endorsement of CLS. An overview of the on-line processing and the batch processing. System Capabilities, system operations, system requirements.

Manual

SH20-1572

DISPLAY MANAGEMENT SYSTEM II DOS/VS (DMS II) OPERATIONS GUIDE

This manual contains information to enable the user to generate and incorporate into his system the IBM Display Management System II for execution under control of IBM's Customer Information Control System (CICS) DOS/VS. Information is included for system maintenance and terminal operation. All offline and online messages are described. The intended audience is the programming and operations staff.  
Manual, 103 pages

GH20-4005

OS/360 REQUIREMENTS PLANNING PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-M51

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.  
8 1/2 x 11 inch, 1 page, specifications

GH20-4006

LEARN ATS-DOS: PROGRAM PRODUCT SPEC., PROG. NO. 5736-XX3 PROGRAM NUMBER 5736-XX3

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.  
Specifications Sheet, 2 pages

GH20-4007

LEARN ATS-OS: PROGRAM PRODUCT SPEC., PROG. NO. 5734-XX8 PROGRAM NUMBER 5734-XX8

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.  
Specification Sheet, 2 pages

GH20-4008

OS/360 INVENTORY CONTROL PROGRAM NUMBER 5734-M52 SPECIFICATION SHEETS

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.  
Specifications Sheet, 2 pages

GH20-4012

SYSTEM/360 REQUIREMENTS PLANNING INTERFACE PROGRAM NUMBER 5736-M13

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.  
Specifications Sheet, 1 page

GH20-4013

SYSTEM/360 CAPACITY PLANNING--FINITE LOADING: PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-M12

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.  
Specifications Sheet, 2 pages

GH20-4014

SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING PROGRAM PRODUCT SPEC'S PROG. NO. 5736-M11

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.  
Specifications Sheet, 2 pages

GH20-4021

SHARED LABORATORY INFORMATION SYSTEM (SLIS) PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-H12

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.  
Program Product Specifications

GH20-4024

SHOP FLOOR CONTROL: PROGRAM PRODUCT SPEC'S PROG. # 5736-M31

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.  
Specification Sheet, 2 pages

GH20-4026

SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DISK OS (RAX-DOS) PROGRAM NUMBER 5799-AAA SPECIFICATION SHEET

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.  
Specification Sheets, 17 pages

GH20-4028

DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-XX4

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.  
Specification Sheet, 2 pages

GH20-4031

PALIS ADDITIONAL FILE FACILITY VERSION 1 MODIFICATION LEVEL 1 SPECIFICATIONS - PROGRAM PRODUCT 5736-N22

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification sheet, 2 pages

GH20-4032

FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - LOW CORE (FASTER LC)

SPECIFICATIONS - PROGRAM NUMBER 5736-G22  
This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.  
Specification Sheet, 2 pages

GH20-4035

GENERAL PURPOSE SIMULATION SYSTEM V-OS (GPSS V-OS) PROGRAM NUMBER 5734-XS2

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.  
Specification Sheet, 2 pages

GH20-4037

SYSTEM/360 TEXT PROCESSOR PAGINATION/360 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-K12

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 2 pages

GH20-4039

DIRECT ACCESS TERMINAL APPLICATION (DATA/360-DOS) PROGRAM NUMBER 5736-XS2

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specifications Sheet, 2 pages

GH20-4040

GENERAL PURPOSE SIMULATION SYSTEM V-DOS (GPSS V-DOS) PROGRAM NUMBER 5736-XS3

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Program Product Specifications, 2 pages

GH20-4041

IBM VEHICLE SCHEDULEING PROGRAM - EXTENDED (OS) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-XM5

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 2 pages

GH20-4042

IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-XM3

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 2 pages

GH20-4043

CUSTOMER INFORMATION CONTROL SYSTEM OS - STANDARD (CICS/OS) AND LANGUAGE AND TERMINAL FEATURE (L/T) NO. 6004, 6005, OR 6006, PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-U11

The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
Design Objectives Sheet, 4 pages

GH20-4046

APL/360 DOS: SPECIFICATIONS, PROG. NO. 5736-XM6

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification sheet, 2 pages

GH20-4047

APL/360 OS SPECIFICATIONS - PROGRAM PRODUCT 5734-XM6

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification sheet, 1 page

GH20-4076

SYSTEM/360 GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (OS) PROGRAM PRODUCT FUNCTIONAL DESCRIPTION SHEET

PROGRAM PRODUCT 5734-XX2  
This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C.  
PPFD Sheet, 1 page

GH20-4079

SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - PS (M44) PROGRAM PRODUCT FUNCTIONAL DESCRIPTION SHEET

PROGRAM NUMBER 5736-P71  
This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C.  
PPFD Sheet, 1 page

GH20-4080

SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - OS PROGRAM PRODUCT FUNCTIONAL DESCRIPTION, PROG. NO. 5736-F72  
This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C.  
PPFD Sheet, 1 page

GH20-4081

PROJECT MANAGEMENT SYSTEM/360 VERSION 3 FUNCTIONAL DESCRIPTION SHEET - PROGRAM NUMBER 5734-XP1  
This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C.  
Description Sheet, 1 page

GH20-4085

LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMRRAS) FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-G21  
This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C.  
Description sheet, 1 page

GH20-4087

FINANCIAL TERMINAL SYSTEM (FTS) FUNCTIONAL DESCRIPTION SHEET PROGRAM PRODUCT 5736-F12  
This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C.  
Flyer, 2 pages

GH20-4089

IBM SYSTEM/360 RESOURCE ALLOCATION FOR PROJECT CONTROL SYSTEM/360 FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-XP2  
This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C.  
Flyer, 1 page

GH20-4101

CONTROL PROGRAM 67 ONLINE COBOL SYMBOLIC DEBUG (PROGRAMMING RPQ AA0476): PROG. NO. 5799-AAE SPECIFICATIONS  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheets, 6 pages

GH20-4102

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) SPECIFICATION SHEET - PROGRAM NUMBER 5734-XM4  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 4 pages

GH20-4103

DISPLAY MANAGEMENT SYSTEM (DMS): PROGRAM PRODUCT SPEC'S PROG. NO. 5734-XC1  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specifications Sheets, 4 pages

GH20-4104

PROJECT MANAGEMENT SYSTEM IV, PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-XP4  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specifications Sheets, 2 pages

GH20-4105

DIRECT ACCESS TERMINAL APPLICATION (DATA/360-OS) PROGRAM NUMBER 5734-XS3  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specifications Sheets, 2 pages

GH20-4106

INFORMATION MANAGEMENT SYSTEM/360 (IMS/360) VERSION 2 SPECIFICATIONS - PROGRAM PRODUCT 5734-XX6  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification sheet, 6 pages

GH20-4109

PROCEDURE LIBRARY-MATHEMATICS (PL-MATH) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-XM3  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specifications Sheets, 2 pages

GH20-4110

OS/360 REQUIREMENTS PLANNING SPECIAL FEATURE #6015 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M51  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specifications Sheets, 1 page

GH20-4111

OS CAPACITY PLANNING - INFINITE LOADING PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M53  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specifications Sheets, 2 pages

GH20-4112

OS CAPACITY PLANNING - FINITE LOADING PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M54  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specifications Sheets, 2 pages

GH20-4113

OS SHOP FLOOR CONTROL, PROGRAM NUMBER 5734-M31 PROGRAM PRODUCT SPECIFICATION SHEET  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specifications Sheets, 2 pages

GH20-4118

IBM BASIC COURTS SYSTEM SPECIFICATIONS SHEETS PROGRAM NUMBER 5736-G26  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specifications sheets, 2 pages

GH20-4121

BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) SPECIFICATIONS PROGRAM PRODUCT 5736-F31  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification sheet, 2 pages

GH20-4122

MINIPERT - PROGRAM NUMBER 5734-XP3  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specifications Sheets, 1 page

GH20-4123

FARE QUOTE/TICKETING SPECIFICATION SHEET PROGRAM NUMBER 5736-T11  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specifications Sheet, 1 page

GH20-4124

GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2) SPECIFICATIONS SHEET PROGRAM NUMBER 5734-XX1  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specifications Sheet, 4 pages

GH20-4127

CONSOLIDATED FUNCTIONS ORDINARY II - CFO-II SPECIFICATIONS SHEETS - PROGRAM NUMBER 5736-N13  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specifications Sheets, 2 pages

GH20-4128

COURSEWRITER III/DOS VERSION 3 - SPECIFICATION SHEET PROGRAM NUMBER 5736-E11  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 2 pages

GH20-4130

THE DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) PROGRAM NUMBER 5736-G24  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specifications sheets, 2 pages

GH20-4131

CUSTOMER INFORMATION CONTROL SYSTEM/DOS-STANDARD (CICS/DOS-STANDARD), PROG. NO. 5736-XX7, 3330 SUPPORT FEATURE 5003, 5004, 5005; PROGRAM PRODUCT SPECIFICATIONS  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification sheets, 4 pages

GH20-4133

OS REQUIREMENTS PLANNING EXTENSIONS - SPECIFICATIONS PROGRAMMING RPQ EA6264 - PROGRAM NUMBER 5799-AAV  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Programming RPQ Specification, 6 pages

- GH20-4134  
CUSTOMER INFORMATION CONTROL SYSTEM/DOS ENTRY (CICS/DOS-ENTRY), PROG. NO. 5736-XX6, 3330 SUPPORT FEATURE 5000, 5001, 5002: PROGRAM PRODUCT SPECIFICATIONS  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 4 pages
- GH20-4135  
3330/2305 APT SUPPORT PROGRAMMING RPQ WBS773 PROGRAM NUMBER 5799-ACZ (PRPQ SPECIFICATIONS)  
The additions to APT to support the 3330 and 2305 DASD's involve three functions:
- o Determining the device type for a particular request
  - o Calculating the location of a block in a data set on a device that has four blocks per track (3330/2305)
  - o Changing the maximum block size if the device is a 3330 or 2305 Model 1
- 3330/2305 APT support is an addition to the Type II program, S/360 APT Numerical Control Processor (360A-CH-10x) Version 4, Modification Level 3, and as such, requires that program to execute. The support is written in S/360 Assembler language, and the S/360 Assembler F is used to assemble the routines. This PRPQ is released to work with OS Release 20.1 and all such subsequent releases, versions, and modifications unless otherwise stated in a future revision of this document. In addition, all System/360 Operating System programs required for S/360 APT are also required for this PRPQ. These are: the Assembler, Linkage Editor, FORTRAN IV Level H, and the IEBUPDAT, EIMOVE, IEBCOPY, and IEBTPTCH utility programs. PRPQ Specification, 4 pages
- GH20-4136  
PLANNING SYSTEMS GENERATOR II (PSG II): PROGRAM PRODUCT SPEC'S, PROG. NO. 5734-XT1  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 6 pages
- GH20-4137  
ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP-II) FOR THE OPERATING SYSTEM: PROGRAM PRODUCT 5734-EE1 SPECIFICATIONS  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 2 pages
- GH20-4139  
STAT/BASIC FOR ITP - SPECIFICATION SHEET PROGRAM 5734-XA3  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 2 pages
- GH20-4140  
CUSTOMER INFORMATION CONTROL SYSTEM/OS - STANDARD V2 (CICS/OS - STANDARD V2) SPECIFICATIONS - PROGRAM PRODUCT 5734-XX7  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification sheet, 6 pages
- GH20-4141  
BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE PROGRAM NUMBER 5734-XX9  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 2 pages
- GH20-4142  
FASHION REPORTER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-D11  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 4 pages
- GH20-4146  
IBM SYSTEM/360 AND SYSTEM/370 SUBROUTINE LIBRARY MATHEMATICS (SL-MATH) SPECIFICATIONS - PROGRAM NUMBER 5736-XX7  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 2 pages
- GH20-4148  
BACIS (BUDGET ACCOUNTING INFORMATION SYSTEM) FOR PUBLIC INSTITUTIONS - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-G25  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 1 page
- GH20-4149  
THE OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-MULTITHREAD (OS FASTER MT) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-G21
- The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification Sheet, 2 pages
- GH20-4170  
GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2) DESIGN OBJECTIVES - PROGRAM NUMBER 5734-XX1  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product. Design Objectives Sheet, 4 pages
- GH20-4199  
PALIS ADDITIONAL FILE FACILITY - PROGRAM NUMBER 5736-N22 PROGRAM PRODUCT DESIGN OBJECTIVES  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product. Design Objectives Sheet, 2 pages
- GH20-4233  
HEALTH CARE SUPPORT/DATA COMMUNICATIONS PROGRAM DESIGN OBJECTIVES - PROGRAM PRODUCT 5746-H13  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product. Flyer, 2 pages
- GH20-4234  
HEALTH CARE SUPPORT/ACCOUNTING SYSTEM DESIGN OBJECTIVES PROGRAM NUMBER 5746-H14 - FEATURE 6001 OR 6002  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product. Flyer, 4 pages
- GH20-4235  
HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM DESIGN OBJECTIVES - PROGRAM PRODUCT 5746-H12  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product. Flyer, 1 page
- GH20-4236  
CUSTOMER INFORMATION CONTROL SYSTEM/DOS/VS (CICS/DOS/VS)  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product. Flyer, 4 pages
- GH20-4237  
CUSTOMER INFORMATION SYSTEM/OS/VS (CICS/OS/VS) DESIGN OBJECTIVES, - PROG. PROD. 5740-XX1  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product. Flyer, 8 pages
- GH20-4238  
INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS) DESIGN OBJECTIVES - PROG. PROD. 5740-XX2  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product. Flyer, 6 pages
- GH20-4242  
DISPLAY MANAGEMENT SYSTEM II (DMS II DOS/VS) DESIGN OBJECTIVES - PROGRAM PRODUCT 5736-XC4  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product. Flyer, 4 pages
- GH20-4244  
ADVANCED TEXT MANAGEMENT SYSTEM DESIGN OBJECTIVES - PROGRAM PRODUCTS 5740-XX3 (ATMS/OS) AND 5746-XX4 (ATMS/DOS/VS)  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product. Flyer, 4 pages
- GH20-4245  
IBM SYSTEM/370 (OS/VS) STORAGE AND INFORMATION RETRIEVAL SYSTEM/VIRTUAL STORAGE (STAIRS/VS) PROGRAM PRODUCT 5740-XX1 - SPECIFICATION SHEET  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Flyer, 4 pages
- GH20-4247  
MACHINING AND DISPLAY APPLICATION PROGRAM (MDAP) DESIGN OBJECTIVES - PROGRAM PRODUCT 5746-XX2  
The Program Product Design Objectives (PPDO) describe the

- design objectives and provide the estimated availability date of the subject Program Product.  
Flyer, 1 page
- GH20-4248  
CPCS/3890 FEATURE 6080/6081 PROGRAM PRODUCT 5734-F11 DESIGN OBJECTIVES  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
Flyer, 1 page
- GH20-4252  
GENERALIZED INFORMATION SYSTEM VIRTUAL STORAGE (GIS/VIS) PROGRAM NUMBER 5740-XX7 - DESIGN OBJECTIVES  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
Flyer, 4 pages
- GH20-4255  
SYSTEM/370 ENERGY MANAGEMENT SYSTEM PROG. NO. 5740-U11 DESIGN OBJECTIVES  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
Flyer, 2 pages
- GH20-4256  
FASTER LANGUAGE FACILITY FOR CICS/DOS/VIS 5746-XX3) AND FOR CICS/OS/VIS (5740-XX1): PROG. PROD. DESIGN OBJECTIVES  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
Program Product Design Objective Sheet, 2 pages
- GH20-4258  
FREIGHT AND EQUIPMENT REPORTING SYSTEM FOR TRANSPORTATION VIRTUAL STORAGE (FERST/VIS) OS/VIS1 DESIGN OBJECTIVES PROGRAM PRODUCTS 5795-AAK, AAH, AAF  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
Flyer, 4 pages
- GH20-4260  
FREIGHT AND EQUIPMENT REPORTING SYSTEM FOR TRANSPORTATION VIRTUAL STORAGE (FERST/VIS) DOS/VIS DESIGN OBJECTIVES PROGRAM PRODUCTS 5795-AAL, AAJ, AAG  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
Flyer, 4 pages
- GH20-4261  
LIFE INQUIRY/DATA ENTRY DESIGN OBJECTIVES PROGRAM PRODUCT 5746-N11  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
Flyer, 2 pages
- GH20-4263  
PROGRAMMING RPO #EEE063 HEALTH CARE SUPPORT/COORDINATOR OF BENEFITS - DESIGN OBJECTIVES - PROGRAM 5799-AKK  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
Design Objective, 4 pages
- GH20-4265  
CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE DOV/VIS VERSION 1 MODIFICATION LEVEL 1 DESIGN OBJECTIVES PROG. NO. 5746-XX3  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
Program Product Design Objective Sheet, 8 pages
- GH20-4266  
CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE OS/VIS (CICS/OS/VIS) VERSION 1 MODIFICATION LEVEL 1 DESIGN OBJECTIVES PROG. NO. 5740-XX1  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
Program Product Design Objective Sheet, 8 pages
- GH20-4267  
INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VIS) VERSION 1 MODIFICATION LEVEL 1 DESIGN OBJECTIVES PROG. NO. 5740-XX2  
The Program Product Design Objectives (PPDO) describe the design objectives and provide the estimated availability date of the subject Program Product.  
Program Product Design Objective Sheet, 8 pages
- GH20-4301  
COURSEWRITER III/OS VERSION 3 - SPECIFICATION SHEET PROGRAM NUMBER 5734-E13  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 1 page
- GH20-4302  
PALIS AUTOMOBILE ENHANCEMENT - SPECIFICATION SHEET PROGRAM NUMBER 5736-N24  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 2 pages
- GH20-4303  
CONTINUOUS SYSTEM MODELING PROGRAM (CSMP III) PPS - PROGRAM NUMBER 5734-XS9  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Flyer, 6 pages
- GH20-4304  
MARKETABLE SECURITIES INVENTORY SYSTEM PROGRAMMING RPO MB4259 - SPECIFICATION SHEET - PROGRAM NUMBER 5799-ABY  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 4 pages
- GH20-4307  
PALIS HOMEOWNERS ENHANCEMENTS - PROGRAM NUMBER 5736-N25 PROGRAM PRODUCT SPECIFICATIONS  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 1 page
- GH20-4308  
MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF (OS, DOS, TSO), AND VM/370-CMS: SPECIFICATIONS, PROG. NOS. 5703-XM2 AND 5734-XM8  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification sheet, 2 pages
- GH20-4309  
PSG II DOS - SPECIFICATIONS, PROG. NO. 5736-XT1  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification sheet, 6 pages
- GH20-4312  
STORAGE AND INFORMATION RETRIEVAL SYSTEM SPECIFICATION SHEET (STAIRS) - PROGRAM NUMBER 5734-XR3  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 2 pages
- GH20-4314  
INTERACTIVE TRAINING SYSTEM: COURSE STRUCTURING FEATURE AND EXPANDED COURSE STRUCTURING FEATURE, PROGRAM PRODUCT 5734-XXC SPECIFICATIONS  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 4 pages
- GH20-4315  
CPS UNDER TSO PRPO SPECIFICATIONS PROGRAM NUMBER 5799-ADY  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Flyer, 12 pages
- GH20-4316  
INTERACTIVE QUERY FACILITY (IQF) FEATURE FOR INFORMATION MANAGEMENT SYSTEM (IMS/360) V2 - SPECIFICATION SHEET PROG. PROD. 5734-XX6  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
I6525  
Specification Sheet, 2 pages
- GH20-4317  
EPIC SOCRATES STUDENT SCHEDULING SYSTEM SPECIFICATION SHEET - PROG. NO. 5735-E91  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 2 pages
- GH20-4318  
DIRECT ACCESS TERMINAL APPLICATION (DATA/360-11) PPS, PROGRAM NUMBER 5734-XS8  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 6 pages

- GH20-4320  
VANCOUVER DATA LANGUAGE-ONE (VANDL-1) SPECIFICATIONS - PROGRAM NO. 5799-AEY  
This specification sheet describes the warranted specifications of the PRPQ.  
PRPQ Specification Sheet, 4 pages
- GH20-4321  
IBM SYSTEM/360 AND SYSTEM/370 OS BUDGETS AND PLANS GENERATOR (BUDPLAN): PROGRAM PRODUCT 5734-F51 SPECIFICATIONS  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 1 page
- GH20-4322  
EPIC: BUDGET/FINANCE SPECIFICATIONS - PROGRAM NUMBER 5735-E93  
This sheet describes the warranted specifications of the program EPIC: BUDGET/FINANCE.  
Specification sheet, 2 pages
- GH20-4323  
IBM SECURITIES ORDER MATCHING (SOM) SPECIFICATIONS - PROGRAM PRODUCT 5734-F32  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Flyer, 4 pages
- GH20-4324  
IBM TELECOMMUNICATIONS CONTROL SYSTEM (TCS) SPECIFICATIONS PROGRAM PRODUCT 5734-F31  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Flyer, 4 pages
- GH20-4325  
SYSTEM/360 AND SYSTEM/370 FORECASTING AND MODELING SYSTEMS SPECIFICATIONS - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION) AND 5734-XS7 (OS VERSION)  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification sheet, 2 pages
- GH20-4326  
BUSINESS ANALYSIS/BASIC FOR SYSTEM/3 MODEL 6, ITF (OS, DOS, TSO), AND VM/370-CMS: SPECIFICATIONS, PROG. NOS. 5703-XM3 AND 5734-XMB  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification sheet, 2 pages
- GH20-4327  
IBM SYSTEM/360 AND SYSTEM/370 MATRIX GENERATOR AND REPORT WRITER (MGRW) SPECIFICATIONS - PROGRAM PRODUCT 5734-XMC  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification sheet, 1 page
- GH20-4328  
CICS FEATURE OF DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR SPECIFICATIONS - PROGRAM PRODUCT 5736-XX4  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification sheet
- GH20-4331  
EPIC: STUDENT PROGRAM PRODUCT SPECIFICATION - PROGRAM NUMBER 5735-E94  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Flyer, 2 pages
- GH20-4332  
EPIC: FAST TEST SCORING SYSTEM PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5735-E92  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Flyer, 4 pages
- GH20-4333  
IBM HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM PPS - PROGRAM PRODUCTS 5734-H11 AND 5736-H15  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 2 pages
- GH20-4337  
ALPHA SEARCH (INQUIRY SYSTEM SPECIFICATIONS) - PROGRAM NUMBER 5736-N14  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification sheet, 4 pages
- GH20-4339  
CREDIT MANAGEMENT SYSTEM (PROGRAMMING RPQ WB4982): PROG. NO. 5799-ADF SPECIFICATIONS  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
PRPQ Specification, 6 pages
- GH20-4340  
S/360 - S/370 PURCHASING SPECIFICATIONS - PROGRAM PRODUCTS 5736-XX5 (DOS) AND 5734-XXA (OS)  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Flyer, 6 pages
- GH20-4343  
CHECK PROCESSING CONTROL SYSTEM (CPCS) - PROGRAM NUMBER 5734-F11 SPECIFICATIONS  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Flyer, 2 pages
- GH20-4344  
DISPLAY MANAGEMENT SYSTEM II (DMS II OS/VS) SPECIFICATIONS PROGRAM PRODUCT 5734-XC4  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 2 pages
- GH20-4345  
SYSTEM/370 AUTOMATICALLY PROGRAMMED TOOL, SPECIFICATIONS: APT-BP (BASIC POSITIONING), PROG. 5740-M51  
APT-IC (INTERMEDIATE CONTOURING), PROG. 5740-M52  
APT-AC (ADVANCED CONTOURING), PROG. 5740-M53  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Flyer, 4 pages
- GH20-4346  
PLANNING SYSTEMS GENERATION ON VM/370 (PSG/CMS) PROGRAM NUMBER 5748-XT1  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Flyer, 6 pages
- GH20-4347  
APL SHARED VARIABLES (APLSV) - PROGRAM NO. 5799-AJF (PRPQ NUMBER WE1191) - SPECIFICATIONS SHEET  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 8 pages
- GH20-4348  
CREDIT MANAGEMENT SYSTEM II (PROGRAMMING RPQ MD6769): PROG. NO. 5799-AHJ SPECIFICATIONS  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Flyer, 4 pages
- GH20-4349  
SYSTEM/370 BUDGETS AND PLANS GENERATOR - DOS/VS (BUD PLAN) SPECIFICATIONS PROGRAM PRODUCT 5746-FS1  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Flyer, 2 pages
- GH20-4350  
DL/I DOS/VS, PROG. PROD. 5746-XX1 SPECIFICATIONS, VERSION 1 MODIFICATION LEVEL 0  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Program Product Specifications Sheet, 2 pages
- GH20-4351  
MACHINING AND DISPLAY APPLICATION PROGRAM (MDAP) SPECIFICATIONS PROGRAM PRODUCT 5740-XN2  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Program Product Specification Sheet, 2 pages
- GH20-4353  
BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE), SPECIFICATIONS PROGRAM NUMBER 5746-F31  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification sheet, 2 pages
- GH20-4354  
CUSTOMER INFORMATION CONTROL SYSTEM OS/VS PROGRAM PRODUCT (5740-XX1) SPECIFICATIONS (VERSION 1, MODIFICATION LEVEL 0)  
The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product.  
Specification Sheet, 8 pages

GH20-4355

INFORMATION MANAGEMENT SYSTEM VIRTUAL STORAGE (IMS/VS)  
SPECIFICATIONS VERSION 1 MODIFICATION LEVEL 0  
PROG. NO. 5740-XX2

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program Product Specification Sheet, 8 pages

GH20-4356

HEALTH CARE SUPPORT/DATA COMMUNICATIONS PROGRAM  
SPECIFICATIONS - PROG. NO. 5746-H13

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program Product Specification Sheet, 2 pages

GH20-4357

HEALTH CARE SUPPORT/ACCOUNTING SYSTEM  
SPECIFICATIONS PROG. PROD. 5746-H14 FEATURE 6001 OR 6002  
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program Product Specification Sheet, 4 pages

GH20-4358

HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM  
REPORTING - SPECIFICATIONS PROG. PROD. 5746-H12  
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program Product Specification Sheet, 1 page

GH20-4359

CUSTOMER INFORMATION CONTROL SYSTEM/DOS/VS  
VERSION 1, MODIFICATION LEVEL 0, SPECIFICATIONS  
PROGRAM PRODUCT 5746-XX3  
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Specification sheet, 8 pages

GH20-4361

IBM SYSTEM/370 AUTOMATICALLY PROGRAMMED TOOL - BASIC  
CONTOURING (APT-BC) SPECIFICATIONS PROG. PROD. 5746-XN1  
(DOS/VS)  
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program product specification sheet, 1 page

GH20-4362

MACHINING & DISPLAY APPLICATION PROGRAM (MDAP)  
SPECIFICATIONS - PROD. 5746-XN2  
 This document describes MDAP, a DOS/VS program product used in conjunction with the 5275 terminal; designed to increase productivity by providing a computer link in the numerical control of machine tools as well as valuable assistance in preparing and testing part programs. Under DOS/VS, single line communication support is provided, which can effectively support several terminals, one at a time.  
 With MDAP control, the user is led through decision steps which appear on the 5275 display screen. Via the 5275 keyboard, each decision is made sequentially, by the user, until access to the desired transaction function is accomplished. Limited only by assigned security level (see below), the user at the 5275 terminal can perform the following functions:

- o Receive part programs from the host computer.
- o Send part programs to the host computer.
- o Edit both machine and source versions of part programs residing at the host.
- o Compile part programs by initiation from the 5275 terminal.
- o Compress part program libraries at the host.
- o Copy part programs from one library to another.
- o Print compiled program output at a printer (optional).
- o Enter messages into the system via the 5275 terminal.

In addition to these functions, the user can operate a numerical control machine tool in a direct numerical control mode by operating through the machine tool's conventional controller, bypassing its tape reader.

Security control, with MDAP, is accomplished by restricting use of the system to four levels of accessibility. Depending on assigned code level, each user is given access to a specified number of terminal functions and part program libraries.  
 Flyer

GH20-4364

PLANNING SYSTEMS GENERATOR UNDER THE OS/VS2  
TIME SHARING OPTION (PSG/TS0) PROGRAM PRODUCT 5740-XT1,  
SPECIFICATIONS  
 The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. Program product specification sheet, 4 pages

GH20-4407

CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET  
TRANSLATOR (CATALIST) - FUNCTIONAL DESCRIPTION  
PROGRAM PRODUCT 5736-XX2  
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product,

which has a Programming Service Classification of C. Functional Description Sheet, 2 pages

GH20-4408

SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) - ALLOCATION (OS)  
FUNCTIONAL DESCRIPTION - PROGRAM NUMBER 5734-D32  
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Functional Description Sheet, 2 pages

GH20-4409

SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING  
(OS) FUNCTIONAL DESCRIPTION - PROGRAM NUMBER 5734-D33  
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Description Sheet, 2 pages

GH20-4410

CONSUMER GOODS SYSTEM (COGS) ALLOCATION  
FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-D31  
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Description Sheet, 2 pages

GH20-4411

TARIFF PUBLISHING SYSTEM (BOUND TARIFFS)  
FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-T21  
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Description Sheet, 1 page

GH20-4412

MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2  
FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-H11  
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Description Sheet, 2 pages

GH20-4413

POWER SYSTEM PLANNING PROGRAM - FUNCTIONAL DESCRIPTION  
PROGRAM PRODUCT 5736-U12  
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Description Sheet, 4 pages

GH20-4414

SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM (ACIP)  
FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-F32  
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Description Sheet

GH20-4416

SHAS COMPATIBLE TELEPROCESSING FUNCTIONAL DESCRIPTION  
PROG. NO. 5736-H13  
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Flyer

GH20-4418

THE CONSUMER GOODS SYSTEM (COGS - FORECASTING FUNCTIONAL  
DESCRIPTION) - PROGRAM PRODUCT - 5736-D32  
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Description sheet, 2 pages

GH20-4424

PROCEDURE LIBRARY - MATHEMATICS (PL-MATH), FUNCTIONAL  
DESCRIPTION - PROG. PROD. 5734-XM3  
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Flyer, 2 pages

GH20-4425

SYSTEM/360 LEARN ATS-OS FUNCTIONAL DESCRIPTION  
PROG. PROD. 5734-XX8  
 This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Flyer, 2 pages

GH20-4426

SYSTEM/360 LEARN ATS-DOS, FUNCTIONAL DESCRIPTION  
PROG. PROD. 5736-XX3  
 This Program Product Functional Description (PPFD) describes



the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Flyer, 2 pages

GH20-4427

DIRECT ACCESS TERMINAL APPLICATION (DATA/360-DOS)  
FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-XS2

This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Flyer, 2 pages

GH20-4428

DIRECT ACCESS TERMINAL APPLICATION (DATA/360-OS)  
FUNCTIONAL DESCRIPTION - PROG. PROD. 5734-XS3

This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Flyer, 2 pages

GH20-4429

FASHION REPORTER, FUNCTIONAL DESCRIPTION  
PROG. PROD. 5736-D11

This Program Product Functional Description (PPFD) describes the functional capabilities of the subject Program Product, which has a Programming Service Classification of C. Flyer, 4 pages

GH20-9001

CICS/VS CONVERSION PLANNING GUIDE PROG. NOS. 5740-XX1,  
5746-XX3

This publication provides guidelines for current users of CICS who plan to convert to the two IBM Virtual Storage (VS) program products: CICS/OS/VS or CICS/DOS/VS. It also contains planning information for current CICS/VS Version 1, Modification Level 0 users and covers subsequent version and modification levels. Topics presented include the functions available with CICS/VS conversion to VS, and performance and storage considerations.

The reader of this publication is referred to the following IBM publications:

- o DOS/VS Data Management Guide (GC33-5374)
- o OS/VS Virtual Storage Access Method (VSAM) System Information (GC26-3835)
- o OS/VS Virtual Storage Access Method (VSAM) Planning Guide (GC26-3799)

Manual

SH20-9002

CUSTOMER INFORMATION CONTROL SYSTEM (CICS/VS)  
SYSTEM/APPLICATION DESIGN GUIDE PROG. NO.  
CICS/OS/VS 5740-XX1, CICS/DOS/VS 5746-XX3

The IBM Customer Information Control System (CICS/VS) is a This publication provides guidelines for the system analyst and system administrator in the design fo online applications under control of CICS/DOS/VS or CICS/OS/VS. Directed mainly toward the inexperienced CICS/VS user, it presents tutorial information followed by specific design techniques and application examples relevant to the various CICS/VS facilities. The following design topics are covered:

- o Introduction to System Design
- o Program Design
- o Data Communication Design
- o Data Management design
- o Data Base Design
- o Advanced Features
- o Performance Considerations
- o Recovery Restart
- o Testing and Integration
- o Production Cutover and Follow-up Evaluation
- o Application Design

base/data communication interface between a System/370 operating system and user-written application programs. Applicable to most online systems, CICS/VS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational data entry.

CICS/VS is available in two systems one for DOS/VS users and one for OS/VS users. Because the CICS/DOS/VS system is compatible with the CICS/OS/VS system, it is possible to start with a small DOS/VS data base/data communication configuration and move up through DOS/VS into OS/VS.

This manual is provided for persons who will design online applications to execute under control of CICS/VS. The process of online system design is presented in basically the same chronological sequence as would be experienced in real life. The various factors that should be considered at each step in the design process are Manual, 306 pages

SH20-9003

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE  
(CICS/VS APPLICATION PROGRAMMER'S REFERENCE MANUAL  
PROG. NOS. 5740-XX1, 5746-XX3

This publication contains the detailed information necessary for the design and preparation of application programs to execute under the CICS/DOS/VS and CICS/OS/VS program products. This manual presents both tutorial and reference

material intended for use by application programmers, system programmers, system analysts, and system administrators. The format of the manual is designed to facilitate both the general and the detailed approach to application programming under CICS/VS. For further information concerning CICS/VS and related subjects discussed in this manual, the reader is referred to the publications listed in the Bibliography.

data/base communication interface between a System/370 operating system and user-written application programs. Applicable to most online systems, CICS/VS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational and batched data entry.

CICS/VS is available in two systems-one for DOS/VS users and one for OS/VS users. Because the CICS/DOS/VS system is compatible with the CICS/OS/VS system, it is possible to start with a small DOS/VS data base/data communication configuration and move up through DOS/VS into OS/VS.

This manual provides information of interest to persons defining, designing and preparing application programs to Technical Manual, 500 pages

SH20-9004

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE  
(CICS/VS) SYSTEM PROGRAMMER'S REFERENCE MANUAL -  
PROGRAM NUMBERS 5740-XX1, 5746-XX3

This publication contains detailed information necessary to implement both the CICS/DOS/VS and CICS/OS/VS program products. This manual presents tutorial and reference information designed for system programmers and system analysts who have the responsibility to define, prepare, and administer and maintain CICS/VS management and service programs, and system control and service tables.

The publication should be used in conjunction with the appropriate CICS/VS Operations Guide (CICS/OS/VS and CICS/DOS/VS) when generating CICS/VS and when preparing the system tables describing the environment CICS/VS is to support.

application data base/data communication interface between a System/360 or System/370 operating system and user-written application programs. Applicable to most online systems, CICS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational and batched data entry.

CICS/VS is available in three systems - two for DOS users and one for OS users. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it is possible to start with a small data base/data communication configuration and move up through DOS into OS.

This manual provides information essential for persons who have the responsibility to define, prepare, and Manual

SH20-9005

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE  
(CICS/VS) TERMINAL OPERATOR'S GUIDE PROGRAM NUMBERS  
(5740-XX1) AND (5746-XX3)

The IBM Customer Information Control System/Virtual Storage (CICS/VS) is a virtual storage transaction-oriented multiapplication data base/data communication interface between a System/370 operating system and user-written application programs. Applicable to most online systems, CICS/VS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational and batched data entry.

CICS/VS is available in two systems-one for DOS/VS users and one for OS/VS users. Because the CICS/OS/VS system is compatible with the CICS/DOS/VS system, it is possible to start with a small DOS/VS data base/data communication configuration and move up through DOS/VS into OS/VS.

This manual describes the use of terminals with CICS/VS and is designed for single terminal operators, application programmers, system analysts, and system administrators. Manual

SH20-9006

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE  
(CICS/VS) SYSTEM ADMINISTRATOR'S GUIDE PROG. NO.'S 5740-XX1,  
5746-XX3

The IBM Customer Information Control System/Virtual Storage (CICS/VS) is a virtual storage transaction-oriented multi-application data base/data communication interface between a System/370 operating system and user-written application programs. Applicable to most online systems, CICS/VS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational and batched data entry.

CICS/VS is available in two systems-one for DOS/VS users and one for OS/VS users. Because the CICS/DOS/VS system is compatible with the CICS/OS/VS system, it is possible to start with a small DOS/VS data base/data communication configuration and move up through DOS/VS into OS/VS.

This manual describes system administration considerations for CICS/VS and is designed for system administrators, system analysts, and system programmers. Manual, 86 pages

SH20-9008

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS) MESSAGES AND CODES MANUAL  
PROG. NOS. 5740-XX1, 5746-XX3

The IBM Customer Information Control System/Virtual Storage (CICS/VS) is a virtual storage transaction-oriented multiapplication data base/data communication interface between a System/370 operating system and user-written application programs. Applicable to most online systems, CICS/VS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational and batched data entry.

CICS/VS is available in two systems—one for DOS/VS users and one for OS/VS users. Because the CICS/DOS/VS system is compatible with the CICS/OS/VS system, it is possible to start with a small DOS/VS data base/data communication configuration and move up through DOS/VS into OS/VS.

This manual contains messages unique to CICS/VS and is designed for terminal operators, system programmers, and application programmers.  
 Manual, 104 pages

SH20-9011

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (OS) CICS/VS OPERATIONS GUIDE, PROG. NO. 5740-XX1

The IBM Customer Information Control System/Virtual Storage (CICS/VS) is a transaction-oriented multiapplication data base/data communication interface between a System/370 operating system and user-written application programs. Applicable to most online systems, CICS/VS provides many of the facilities necessary for standard terminal applications such as message switching, broadcasting, data collection, and order distribution.

CICS/VS is available in two systems—one for DOS/VS, users and one for OS/VS users. Because the CICS/DOS/VS system is compatible with the CICS/OS/VS system, it is possible to start with a small DOS/VS data base/data communication configuration and move up through DOS/VS into OS/VS.

This manual provides information of interest to persons responsible for the definition, preparation, and execution of CICS/VS. The information necessary to generate and operate CICS/VS is included.  
 Manual, 70 pages

SH20-9012

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS) OPERATIONS GUIDE (DOS) PROG. NO. CICS/DOS/VS 5746-XX3

The IBM Customer Information Control System/Virtual Storage (CICS/VS) is a transaction oriented multiapplication data base/data communication interface between a System/370 operating system and user-written application programs. Applicable to most online systems, CICS/VS provides many of the facilities necessary for standard terminal applications such as message switching, broadcasting, data collection, and order distribution.

CICS/VS is available in two systems - one for DOS/VS users and one for OS/VS users. Because the CICS/DOS/VS system is compatible with the CICS/OS/VS system, it is possible to start with a small DOS/VS data base/data communication configuration and move up through DOS/VS into OS/VS.

This manual provides information of interest to persons responsible for the definition, preparation, and execution of CICS/VS. The information necessary to generate and operate CICS/DOS/VS is included.  
 Manual, 58 pages

SH20-9025

INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS) SYSTEM/APPLICATION DESIGN GUIDE

Provides information required by data base administrators, application planners, and systems programmers in designing Information Management System/Virtual Storage (IMS/VS) Data Base and Data Base/Data Communication Systems. Included are descriptions of data base and data communication concepts and the facilities available in designing an IMS/VS system. Also included is a chapter for determining IMS/VS storage requirements and the access methods used by IMS/VS.

Prerequisite Publication: Information Manual GH20-1260  
 Manual

SH20-9026

INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS) APPLICATION PROGRAMMING REFERENCE MANUAL PROG. NO. 5740-XX2

Information Management System/Virtual Storage (IMS/VS) is a processing program (control system) designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual is a guide for the application analyst or system analyst. Its contents will assist him in the design of an IMS/VS system as well as in the design of the application systems which will run under IMS/VS.  
 Manual, 218 pages

SH20-9027

INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS) SYSTEM PROGRAMMING REFERENCE - PROG. NO. 5740-XX2

This publication provides system programmers with installation considerations and details for generation (definition) of an IMS/VS system to be run under either OS/VS1 or OS/VS2. It describes data base and data communications functions, System/3 and System/7 support security maintenance and IMS/VS service programs.  
 Manual

SH20-9028

INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS) OPERATOR'S REFERENCE - PROG. NO. 5740-XX2

Provides the information required to control the online execution of IMS/VS and to establish procedures for the operator of the IMS/VS master terminal and operators of remote terminals attached to IMS/VS. The intended audience is IMS/VS machine operations and systems operation personnel responsible for an IMS/VS installation's operating procedures.

This publication provides: an overview of the relationship between IMS/VS and OS/VS; a general description of IMS/VS system and terminal functions and how they are used; a description of each terminal supported by IMS/VS; a description of the function and use of each IMS/VS terminal command, including examples; suggested procedures for the online execution of IMS/VS.  
 Manual

SH20-9029

INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS) UTILITIES REFERENCE MANUAL - PROG. NO. 5740-XX2

This publication is designed for programmers, system analysts and computer operators and describes how to execute the Information Management System/Virtual Storage (IMS/VS) utility programs under the operating system. Individual chapters provide information on use of the: (1) Data Base Description Generation and the control statements used as input to DBDGEN; (2) Program Specification Block Generation and the control statements used as input to PSBGEN; (3) Application Control Block Maintenance utility in creating and maintaining a consolidated library of data base and program descriptions used by the DB/DC System; (4) Data Base Recovery System utilities in reconstructing a data base; (5) Data Base Reorganization/Load Processing utilities in reorganizing a data base; (6) Statistics and Accounting utility with a discussion of system log analysis and how statistical reports are produced from the IMS/VS system log; (7) Message/Format Language utility execution and how this utility produces the message and device formats required by the IMS/VS Message Format Service (MFS); (8) Message/Format Service utility execution and how this utility is used to introduce additional control of the MFS format control blocks and the manner in which the blocks are accessed by IMS/VS; (9) Services Utilities with respect to how the (a) Spool SYSOUT Print Utility is used to copy messages produced by the online control program from the online data sets to a system output device, and (b) System Log Recovery utility is used to create a system log tape from one that contains read errors; and (10) Interactive Query Facility (IQF) for spontaneous online query and for retrieval and display of data contained in IMS/VS data bases, and how the IQF utility is used in creating data bases and in generating separate PSBs for IQF.

The reader should be familiar with the concepts and terminology described in IMS/VS General Information (GH20-1260), System/Application Design Guide (SH30-9025), and Application Programming Reference Manual (SH20-9026).  
 Manual, 370 pages

SH20-9030

INFORMATION MANAGEMENT SYSTEM (IMS/VS) MESSAGES AND CODES REFERENCE MANUAL - PROG. NO. 5740-XX2

This publication lists completion codes, status codes, and messages produced by the IBM supplied components of the IMS/VS system. In addition to the explanation that accompanies each code and message, the action (if any) required of the user is provided unless this information is implicit in the explanation. The publication is thus designed to advise programmers and system analysts of the status of their programs and to alert them of the action required to correct a problem.  
 Manual

GH20-9033

GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2) EXECUTIVE QUERY REFERENCE (BASIC INTRODUCTION), PROG. NO. 5734-XX1

This manual is designed to give a sampling of GIS/2 capabilities and to provide a reference for non-data processing users of GIS/2. It is a basic introduction to GIS/2 which may be examined by those who are interested in a system designed to make information readily available to decision makers.  
 Manual

GH20-9034

INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS) CONVERSION PLANNING GUIDE - PROGRAM NUMBER 5740-XX2

The Information Management System/Virtual Storage (IMS/VS) Conversion Planning Guide is intended for current Information Management System/370 (IMS/360) users that are

considering conversion to IMS/VS. The planning guide describes the new features available with IMS/VS, and provides information to aid current IMS/360 users in converting to IMS/VS.  
Manual

GH20-9035

GENERALIZED INFORMATION SYSTEM VIRTUAL STORAGE (GIS/VS) GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5740-XX7  
This manual surveys the operational concepts and system capabilities of the Generalized Information System/Virtual Storage. The manual introduces the language of GIS/VS and describes the file organization and processing actions supported by GIS/VS.

The Generalized Information System operates on System/370 Virtual Storage Systems and supports a wide variety of applications by providing information handling capabilities against many typical data base organizations. GIS/VS provides facilities for defining, maintaining, and retrieving data from user files under direction of the using installation and its personnel.  
Manual, 76 pages

GH20-9043

GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS) EXECUTIVE QUERY REFERENCE MANUAL

This manual is designed to give a sampling of GIS/VS capabilities and to provide a reference for non-data processing users of GIS/VS. It is a basic introduction to GIS/VS which may be examined by those who are interested in a system designed to make information readily available to decision makers.  
Manual, 96 pages

GH20-9500

IBM SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM REFERENCE MANUAL PROGRAM NUMBER 360A-TX-032

This publication describes the functions available in the IBM System/370 Distributed System Program (DSP). This book provides System/360, System/370 and System/7 application programmers with information that enable them to prepare for and install the DSP facilities that most effectively fulfill their application requirements.  
Manual, 206 pages

GH20-9501

SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM OPERATIONS GUIDE, PROG. NO. 360A-TX-032

This publication describes how to install, operate, and maintain the IBM System/370 Distributed System Program (DSP). This book is intended for system programmers who are knowledgeable in concepts of generation, operation, and maintenance of OS/360 and familiar with the concepts of teleprocessing and the Distributed System Program.  
Guide, 103 pages

GJD1-0001

SYSTEM/370 MODELS 158/168 SYSGEN ICR OS RELEASE 21.6 PROGRAM NO. 360S-OS-609

Contains Type I OS program listings as specified in the title.  
Microfiche

GJD1-0010

IBM 3735 MACROS AND UTILITY PROGRAMS - MICROFICHE LISTING PROGRAM NUMBER 360S-CQ-563

This document contains Type I OS program listings and DOS/OS PTF listings.  
Microfiche

GJD1-0015

3830 4-CHANNEL SWITCH SUPPORT (CALTROP) ICR - PROGRAM NUMBER 360-OS-587

Provides support for the 4-channel switch feature on the 3880 control unit for the 3330 storage facility. It allows the 3830 to be shared between up to four CPU's or to be accessed by up to four channels of a single CPU.  
Microfiche

GJD1-1010

SYSTEM/360 OS PRIMARY CONTROL PROGRAMS - MICROFICHE LISTING PROGRAM NUMBERS 360S-CI-505/535/555/566

Contains Type I OS program listings as specified in the title.  
Microfiche

GJD1-1011

OPERATING SYSTEM/360 TIME SHARING OPTION PROGRAM LISTING (TSO) PROGRAM NUMBER 360S-CI-555

This microfiche contains source listings of program(s) referenced in title.  
Microfiche

GJD1-1012

SYSTEM/360 OS MVT

Contains Type I OS Program Listings and DOS/OS PTF listing.  
Microfiche

GJD1-1013

SYSTEM/360 OS DATA MANAGEMENT

MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DM-508

Contains Type I OS Program Listings and DOS/OS PTF listing.  
Microfiche

GJD1-1014

SYSTEM/360 OS BASIC DIRECT ACCESS METHOD

MICROFICHE LISTING - PROGRAM NUMBER 360S-DM-509

Contains Type I OS Program Listings and DOS/OS PTF listing.  
Microfiche

GJD1-1015

SYSTEM/360 OS REMOTE JOB ENTRY

MICROFICHE LISTING - PROGRAM NUMBER 360S-RC-536

Contains Type I OS Program Listings and DOS/OS PTF listing.  
Microfiche

GJD1-1016

SYSTEM/360 OS BTAM

MICROFICHE LISTINGS - PROGRAM NUMBER 360S-CQ-513

Contains Type I OS program listings as specified in the title.  
Microfiche

GJD1-1017

SYSTEM/360 OS QTAM

MICROFICHE LISTING - PROGRAM NUMBER 360S-CQ-519

Contains Type I OS Program Listings and DOS/OS PTF listing.  
Microfiche

GJD1-1018

SYSTEM/360 OS OLTEP

MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-533

Contains Type I OS Program Listings and DOS/OS PTF listing.  
Microfiche

GJD1-1019

OPERATING SYSTEM/360 CONVERSATIONAL REMOTE JOB ENTRY

MICROFICHE LISTINGS - PROGRAM NUMBER 360S-RC-551

This document contains Type I OS program listings and DOS/OS PTF listings.  
Microfiche

GJD1-1020

SYSTEM/360 OS ISAM

MICROFICHE LISTINGS - PROG. NO. 360S-IO-526

Contains Type I OS Program Listings and DOS/OS PTF listing.  
Microfiche

GJD1-1021

SYSTEM/360 OS UTILITIES

MICROFICHE LISTINGS - PROGRAM NUMBER 360S-UT-506

Contains Type I OS Program Listings and DOS/OS PTF listing.  
Microfiche

GJD1-1022

OPERATING SYSTEM/360 INDEPENDENT UTILITIES

MICROFICHE LISTINGS - PROGRAM NUMBER 360S-UT-507

This document contains Type I OS program listings and DOS/OS PTF listings.  
Microfiche

GJD1-1023

OPERATING SYSTEM/360 TELEPROCESSING

COMMUNICATIONS ACCESS METHOD (TCAM)

PROGRAM LISTING - PROGRAM NUMBER 360S-CQ-548

This document contains Type I OS program listings and DOS/OS PTF listings.  
Microfiche

GJD1-1025

SYSTEM/360 OS ALGOL COMPILER-F

MICROFICHE LISTING - PROGRAM NUMBER 360S-AL-531

Contains Type I OS Program Listings and DOS/OS PTF listing.  
Microfiche

GJD1-1026

SYSTEM/360 OS ALGOL LIBRARY

MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-532

Contains Type I OS Program Listings and DOS/OS PTF listing.  
Microfiche

GJD1-1030

MICROFICHE - SOURCE LISTING

SYSTEM/360-OS ASSEMBLER E 360S-AS-036

This microfiche contains source listings of program(s) referenced in title.  
Microfiche

GJD1-1035

MICROFICHE - SOURCE LISTING  
SYSTEM/360-OS ASSEMBLER F 360S-AS-037  
 This microfiche contains source listings of program(s)  
 referenced in title.  
 Microfiche

GJD1-1040

SYSTEM/360 OS COBOL COMPILER-E  
MICROFICHE LISTING - PROGRAM NUMBER 360S-CO-503  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1042

SYSTEM/360 OS ANS COBOL  
MICROFICHE LISTING - PROGRAM NUMBER 360S-CB-545  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1043

SYSTEM/360 OS ANS COBOL LIBRARY  
MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-546  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1044

SYSTEM/360 OS COBOL F LIBRARY  
MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-525  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1045

SYSTEM/360 OS COBOL COMPILER-F  
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-CB-524  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1048

SYSTEM/360 OS COBOL LIBRARY  
MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-504  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1050

MICROFICHE - SOURCE LISTING  
SYSTEM/360-OS FORTRAN E IV 360S-FO-092  
 This microfiche contains source listings of program(s)  
 referenced in title.  
 Microfiche

GJD1-1052

SYSTEM/360 OS FORTRAN G IV  
MICROFICHE LISTING - PROGRAM NUMBER 360S-FO-520  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1054

OPERATING SYSTEM/360 FORTRAN SYNTAX CHECKER  
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-FO-550  
 This document contains Type I OS program listings and  
 DOS/OS PTF listings.  
 Microfiche

GJD1-1055

SYSTEM/360 OS FORTRAN H IV  
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-FO-500  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1058

SYSTEM/360 OS FORTRAN LIBRARY IV  
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LM-501  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1060

SYSTEM/360 OS PL/1 COMPILER F  
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-NL-511  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1062

SYSTEM/360 OS SERVICE AIDS  
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-554  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1065

OPERATING SYSTEM/360 PL/I SYNTAX CHECKER  
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-PL-552  
 This document contains Type I OS program listings and  
 DOS/OS PTF listings.  
 Microfiche

GJD1-1068

SYSTEM/360 OS PL/1 LIBRARY F  
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LM-512  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1070

MICROFICHE - SOURCE LISTING  
SYSTEM/360-OS LINKAGE EDITOR E 360S-ED-510  
 This microfiche contains source listings of program(s)  
 referenced in title.  
 Microfiche

GJD1-1072

SYSTEM/360 OS LINKAGE EDITOR LOADER  
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LD-547  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1075

SYSTEM/360 OS LINKAGE EDITOR F  
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-ED-521  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1076

SYSTEM/360 OS SER0, SER1  
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-527  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1077

SYSTEM/360 OS RECOVERY MANAGEMENT  
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-539  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1080

SYSTEM/360 OS SORT MERGE  
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-SM-023  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1085

SYSTEM/360 OS TESTRAN  
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-PT-516  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1090

SYSTEM/360 OS GRAPHIC PROGRAMMING SERVICES  
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-IO-523  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1091

SYSTEM/360 OS GRAPHIC SUB-ROUTINE PROGRAM  
MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LM-537  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1092

SYSTEM/360 OS SATELLITE GRAPHIC JOB PROCESS  
MICROFICHE LISTING - PROGRAM NUMBER 360S-RC-543  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1093

SYSTEM/360 OS GRAPHIC JOB PROCESS  
MICROFICHE LISTING - PROGRAM NUMBER 360S-RC-541  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1094

MICROFICHE - SOURCE LISTING  
SYSTEM/360-OS 1130/360 DATA TRANSMISSION 360S-LM-542  
 This microfiche contains source listings of program(s)  
 referenced in title.  
 Microfiche

GJD1-1095

SYSTEM/360 OS REPORT PROGRAM GENERATOR  
PROGRAM NUMBER 360S-RG-038  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche

GJD1-1096

MICROFICHE FOR OPERATING SYSTEM RELEASE 20.7 PROGRAMS:  
 360S-CI-505 360S-CI-535 360S-CI-555 360S-CO-548  
 360S-DM-508 360S-DM-509 360S-DN-527 360S-DN-533  
 360S-DN-554 360S-ED-521 360S-IO-526 360S-LD-547  
 360S-LM-512 360S-NL-511 360S-UT-506 360S-UT-507  
 This document contains Type I OS program listings and DOS/OS

PTF listings.  
Microfiche

GJD1-1097

SYSTEM/360 OPERATING SYSTEM RELEASE SUPPORT DOCUMENTATION (MICROFICHE)  
This document contains Type I OS program listings and DOS/OS PTF listings.  
Microfiche

GJD1-1098

SYSTEM/360 OPERATING SYSTEM RELEASE SUPPORT DOCUMENTATION (MICROFICHE)  
This document contains Type I OS program listings and DOS/OS PTF listings.  
Microfiche

GJD1-1100

OS21.0-21.7, VSI/1.0-3.0, VS2/1.0-1.6 SYSTEM MODIFICATION PROGRAM LISTINGS, 360S-DN-611  
Contains Type I OS program listings as specified in the title.  
Microfiche

GJD1-1101

OS RELEASE 21.6/21/7 ICR POWER WARNING FEATURE 360S-DN-614  
Contains Type I OS program listings as specified in the title.  
Microfiche

GJD1-1310

MICROFICHE - SOURCE LISTING SYSTEM/360 SIMULATOR 1410/7010 360C-SI-754  
This microfiche contains source listings of program(s) referenced in title.  
Microfiche

GJD1-1370

MICROFICHE - SOURCE LISTING SYSTEM/360 SIMULATOR 7070/7074 360C-SI-753  
This microfiche contains source listings of program(s) referenced in title.  
Microfiche

GJD1-1380

MICROFICHE - SOURCE LISTING SYSTEM/360 SIMULATOR 7080 360C-SI-551  
This microfiche contains source listings of program(s) referenced in title.  
Microfiche

GJD1-1390

MICROFICHE - SOURCE LISTING SYSTEM/360 SIMULATOR 7090/7094 360C-SI-750  
This microfiche contains source listings of program(s) referenced in title.  
Microfiche

GJD1-1400

MICROFICHE - SOURCE LISTING SYSTEM/360 EMULATOR (MODEL 40) 1401/1410 360C-EU-074  
This microfiche contains source listings of program(s) referenced in title.  
Microfiche

GJD1-1410

MICROFICHE - SOURCE LISTING SYSTEM/360 EMULATOR (MODEL 40) 360C-EU-728  
This microfiche contains source listings of program(s) referenced in title.  
Microfiche, 7 cards

GJD1-1420

IBM 7094 EMULATOR FOR THE SYSTEM/360 MODEL 85 UNDER OS/360 MICROFICHE LISTINGS - PROGRAM NUMBER 360C-EU-734  
This microfiche contains source listings of program(s) referenced in the title.  
Microfiche

GJD1-1480

IBM OPERATING SYSTEM/360 DOS EMULATOR PROGRAM FOR SYSTEM/370 MODELS 145 AND 155 - PROGRAM NUMBER 360C-EU-738  
Set of 65 fiche containing source code for 45 modules and 1 index. Modules are used in DOS emulator program for System/370 models 145 and 155.  
Microfiche

GJD1-1500

MICROFICHE - SOURCE LISTING SYSTEM/360 EMULATOR (MODEL 50) 1410/7010 360C-EU-726  
This microfiche contains source listings of program(s) referenced in title.  
Microfiche

GJD1-1510

MICROFICHE - SOURCE LISTING SYSTEM/360 EMULATOR (MODELS 50 AND 65) 7070/7074 360C-EU-725  
This microfiche contains source listings of program(s) referenced in title.  
Microfiche

GJD1-1600

MICROFICHE - SOURCE LISTING SYSTEM/360 EMULATOR (MODEL 65) 7040/7044 360C-EU-733  
This microfiche contains source listings of program(s) referenced in title.  
Microfiche

GJD1-1620

MICROFICHE - SOURCE LISTING SYSTEM/360 EMULATOR (MODEL 65) 7080 360C-EU-727  
This microfiche contains source listings of program(s) referenced in title.  
Microfiche

GJD1-1630

MICROFICHE - SOURCE LISTING SYSTEM/360 EMULATOR (MODEL 65) 7090/7094 360C-EU-729  
This microfiche contains source listings of program(s) referenced in title.  
Microfiche

GJD1-1640

OPERATING SYSTEM 370/165 OS-7094 INTEGRATED EMULATOR MICROFICHE LISTINGS - PROGRAM NUMBER 360C-EU-740  
This document contains Type I OS program listings and DOS/OS PTF listings.  
Microfiche

GJD1-1641

OS/360/370 OS/360 M16X/7074 EMULATOR LISTINGS - PROG. NO. 360C-EU-739  
This document contains Type I OS program listings and DOS/OS PTF listings.  
Microfiche

GJD1-1642

7080 EMULATOR FOR SYSTEM/370 MODEL 165 UNDER OPERATING SYSTEM/360 - MICROFICHE LISTING - PROGRAM NUMBER 360C-EU-737  
No abstract available.  
Microfiche

GJD1-1643

EMULATOR FOR 7074 ON S/370 MODEL 155 UNDER OS MICROFICHE - PROGRAM NUMBER 360C-EU-741  
This document contains Type I OS program listings and DOS/OS PTF listings.  
Microfiche

GJD1-1700

MICROFICHE - SOURCE LISTING SYSTEM/360 MODEL 44 BASIC PROGRAMMING SUPPORT (BPS) 360F-UT-601  
This microfiche contains source listings of program(s) referenced in title.  
Microfiche

GJD1-1720

MICROFICHE - SOURCE LISTING SYSTEM/360 MODEL 44 BASIC PROGRAMMING SUPPORT 360F-IO-613  
This microfiche contains source listings of program(s) referenced in title.  
Microfiche

GJD1-1740

MICROFICHE - SOURCE LISTING SYSTEM/360 MODEL 44 1620 SIMULATOR FOR 1620 360C-SI-755  
This microfiche contains source listings of program(s) referenced in title.  
Microfiche

SJD1-1840

IBM 3735 DOS/VS FORMS DESCRIPTION MACROS AND UTILITIES PROG. NO. 5747-AZ1 - LISTINGS  
This microfiche contains the program listings for the program appearing in the title.  
Microfiche

GJD1-2000

MICROFICHE - SOURCE LISTING SYSTEM/360 BASIC PROGRAMMING SUPPORT (BPS) PROGRAM NUMBERS BEGINNING WITH 360P  
This microfiche contains source listings of program(s) referenced in title.  
Microfiche

GJD1-2010

MICROFICHE - SOURCE LISTING  
SYSTEM/360-BOS BASIC OPERATING SYSTEM (COMPLETE)  
 This microfiche contains source listings of program(s)  
 referenced in title.  
 Microfiche

GJD1-2012

MICROFICHE - SOURCE LISTING  
SYSTEM/360 BOS MACRO LISTINGS, PROGRAM NUMBERS 360B-CL-302,  
360B-IO-303, 360B-IO-304, 360B-IO-305  
360B-SU-023  
 This microfiche contains source listings of program(s)  
 referenced in title.  
 Microfiche

GJD1-2020

MICROFICHE - SOURCE LISTING  
SYSTEM/360-TOS CONTROL PROGRAM (COMPLETE)  
 This microfiche contains source listings of program(s)  
 referenced in title.  
 Microfiche

GJD1-2030

S/360 DISK OPERATING SYSTEM MASTER INDEX  
 Microfiche Master Index for 360 DOS (Level 26).  
 Microfiche

GJD1-2032

SYSTEM/360 DISK OPERATING SYSTEM (360N) MACRO LISTINGS  
 This microfiche contains assembled program listings for  
 DOS/360 BASIC System.  
 Microfiche

GJD1-2035

SYSTEM/360 DISK OPERATING SYSTEM  
SORT/MERGE - TAPE  
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-400  
 This microfiche contains assembled program listings for  
 DOS/360 Tape Sort/Merge.  
 Microfiche

GJD1-2036

SYSTEM/360 DISK OPERATING SYSTEM  
SORT/MERGE - DISK  
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-450  
 This microfiche contains assembled program listings for  
 DOS/360 Disk Sort/Merge.  
 Microfiche

GJD1-2037

SYSTEM/360 DISK OPERATING SYSTEM  
BASIC FORTRAN IV  
MICROFICHE LISTING - PROGRAM NUMBER 360N-FO-451  
 This microfiche contains assembled program listings for  
 DOS/360 FORTRAN D.  
 Microfiche

GJD1-2038

SYSTEM/360 DISK OPERATING SYSTEM  
COBOL - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CB-452  
 This microfiche contains assembled program listings for  
 DOS/360 COBOL D.  
 Microfiche

GJD1-2039

SYSTEM/360 DISK OPERATING SYSTEM  
SYSTEM CONTROL/IOCS  
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CL-453  
 This microfiche contains assembled program listings for  
 DOS/360 System Control and BASIC IOCS.  
 Microfiche

GJD1-2040

SYSTEM/360 DISK OPERATING SYSTEM  
ISFMS - MICROFICHE LISTING - PROGRAM NUMBERS 360N-IO-457,  
360N-IO-477, 360N-IO-478  
 This microfiche contains assembled program listings for  
 DOS/360 ISFMS. Listings for Program Optical Character  
 Reader, 360N-IO-478 and Magnetic Character Reader, 360N-  
 IO-477 are also included in this form number.  
 Microfiche

GJD1-2042

MICROFICHE - SOURCE LISTING  
SYSTEM/360-DOS AUTOTEST 360N-PT-459  
 This microfiche contains source listings of program(s)  
 referenced in title.  
 Microfiche

GJD1-2043

SYSTEM/360 DISK OPERATING SYSTEM  
RPG/DISK - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-RG-460  
 This microfiche contains assembled program listings for  
 DOS/360 Report Program Generator.

Microfiche

GJD1-2044

SYSTEM/360 DISK OPERATING SYSTEM  
UTILITY GROUP 1 - MICROFICHE LISTING - PROGRAM 360N-UT-461  
 This microfiche contains assembled program listings for  
 DOS/360 Group 1 Utilities - Unit Record/Disk.  
 Microfiche

GJD1-2045

SYSTEM/360 DISK OPERATING SYSTEM  
UTILITY GROUP 2  
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-462  
 This microfiche contains assembled program listings for  
 DOS/360 Group 2 Utilities - Tape.  
 Microfiche

GJD1-2046

SYSTEM/360 DISK OPERATING SYSTEM  
UTILITY GROUP 3  
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-463  
 This microfiche contains assembled program listings for  
 DOS/360 Group 3 Utilities - Data Cell.  
 Microfiche

GJD1-2047

SYSTEM/360 DISK OPERATING SYSTEM  
PL/I - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-PL-464  
 This microfiche contains assembled program listings for  
 DOS/360 PL/I.  
 Microfiche

GJD1-2048

SYSTEM/360 DISK OPERATING SYSTEM  
ASSEMBLER - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-AS-465  
 This microfiche contains assembled program listings for  
 DOS/360 Assembler D.  
 Microfiche

GJD1-2049

SYSTEM/360 DISK OPERATING SYSTEM  
ASSEMBLER F - MICROFICHE LISTINGS - PROGRAM 360N-AS-466  
 This microfiche contains assembled program listings for  
 DOS/360 Assembler F.  
 Microfiche

GJD1-2050

SYSTEM/360 DISK OPERATING SYSTEM  
BTAM - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CQ-479  
 This microfiche contains assembled program listings for  
 DOS/360 BTAM.  
 Microfiche

GJD1-2052

SYSTEM/360 DISK OPERATING SYSTEM  
QTAM - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CQ-470  
 This microfiche contains assembled program listings for  
 DOS/360 QTAM.  
 Microfiche

GJD1-2053

SYSTEM/360 DISK OPERATING SYSTEM  
MPS UTILITY MACROS  
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-471  
 This microfiche contains assembled program listings for  
 DOS/360 MPS Utility Program.  
 Microfiche

GJD1-2054

S/360 DISK OPERATING SYSTEM  
VOCABULARY FILE UTILITY PROGRAM - MICROFICHE LISTINGS  
PROGRAM NUMBER 360N-UT-472  
 Microfiche assembly listings of System/360 Disk Operating  
 System, vocabulary file utility program, 360N-UT-472.  
 Microfiche

GJD1-2055

SYSTEM/360 DISK OPERATING SYSTEM  
COMPILER I/O MODULES  
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-IO-476  
 This microfiche contains assembled program listings for  
 DOS/360 Compiler I/O Modules.  
 Microfiche

GJD1-2056

SYSTEM/360 DISK OPERATING SYSTEM  
FORTRAN IV MICROFICHE LISTING - PROGRAMS 360N-FO-479, LM-480  
 This microfiche contains assembled program listings for  
 DOS/360 FORTRAN F. FORTRAN IV Library Subprograms, 360N-  
 LM-480, are included in this form number.  
 Microfiche

- GJD1-2057  
SYSTEM/360 DISK OPERATING SYSTEM RELEASE 26 OLTEP  
PROGRAM NUMBER 360N-DN-481  
 These microfiche assembly listings are of System/360 Disk Operating System, Release 26, OLTEP, program number 360N-DN-481.  
 Microfiche
- GJD1-2058  
SYSTEM/360 DISK OPERATING SYSTEM  
SORT/MERGE DISK/TAPE  
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-483  
 This microfiche contains assembled program listings for DOS/360 Tape/Disk Sort/Merge.  
 Microfiche
- GJD1-2059  
SYSTEM/360 DISK OPERATING SYSTEM - MICROFICHE LISTINGS -  
CE SERVICEABILITY PROGRAM  
OLTEP - PROGRAM NUMBER 360N-DN-481  
 This microfiche contains assembled program listings for DOS/360 Customer Engineer aids.  
 Microfiche
- GJD1-2060  
SYSTEM/360 DISK OPERATING SYSTEM  
ANS COBOL - MICROFICHE LISTING - PROGRAM NUMBER 360N-CB-482  
 This microfiche contains assembled program listings for DOS/360 American National Standard COBOL.  
 Microfiche
- GJD1-2062  
SYSTEM/360 DISK OPERATING SYSTEM  
LANGUAGE CONVERSION PROGRAM  
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CV-489  
 This microfiche contains assembled program listings for DOS/360 Language Conversion Program.  
 Microfiche
- GJD1-2063  
DISK OPERATING SYTEM MODEL 155 EMULATOR  
MICROFICHE LISTINGS - PROGRAM NUMBER 360N-EU-490  
 These cards contain assembled program listings for the DOS/360 Model 155 Emulator.  
 Microfiche
- GJD1-2100  
EMULATOR FOR 1401/1440/1460 ON THE SYSTEM/370 MODEL 155  
UNDER OS, MICROFICHE LISTING - PROGRAM NUMBER 360C-EU-735  
 Emulator for 1401/1440/1460 on the system/370 Model 155 under OS, microfiche listing - Prog. No. 360C-EU-735  
 Microfiche
- GJD1-2150  
EMULATOR FOR THE IBM 1410/7010 ON THE SYSTEM/370 MODEL 155  
UNDER OS - PROG. 360C-EU-736, LISTINGS  
 No abstract available.  
 Microfiche
- GJD1-4601  
MODEL 20 EMULATOR ON S/370 USING DOS (V4) - PROGRAM NUMBER  
370N-IC-002  
 Microfiche assembly listings of Model 20 Emulator on System/370 using DOS (V4).  
 Microfiche
- GJD1-4602  
S/370 USING DOS/VS IBM EMULATOR FOR HW S200, LISTINGS  
PROG. NO. 5799-ADR  
 Microfiche assembly listings of IBM emulator for Honeywell series 200 on S/370 using DOS/VS.  
 Microfiche
- GJD1-4603  
S/370 USING DOS/VS IBM EMULATOR FOR RCA 301, LISTINGS  
PROG. NO. 5799-ADR  
 Microfiche assembly listings of IBM emulator for RCA 301 on S/370 using DOS/VS.  
 Microfiche
- GJD1-4610  
MICROFICHE - SOURCE LISTING  
SYSTEM/360 FORTRAN IV TO PL/I LANGUAGE CONVERSION PROGRAM  
360C-CV-710  
 This microfiche contains source listings of program(s) referenced in title.  
 Microfiche
- GJD1-4620  
MICROFICHE - SOURCE LISTING  
SYSTEM/360 COBOL TO PL/I LANGUAGE CONVERSION PROGRAM  
360C-CV-712  
 This microfiche contains source listings of program(s) referenced in title.  
 Microfiche
- GJD1-9000  
MICROFICHE - SOURCE LISTING  
SYSTEM/360 USA STANDARD COBOL LANGUAGE CONVERSION PROGRAM  
360C-CV-713  
 This microfiche contains source listings of program(s) referenced in title.  
 Microfiche
- GJD1-9030  
MICROFICHE - SOURCE LISTING  
SYSTEM/360-TSS (CONTROLLED RELEASE I) 360G-CL-627  
 This microfiche contains source listings of program(s) referenced in title.  
 Microfiche
- SJD2-1220  
OS/VS2 VSAM LISTINGS - COMPONENT NO. 5742-SC1-DE  
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.  
 Microfiche
- SJD2-1300  
OS/VS2 RELEASE 1.6 POWER WARNING FEATURE ICR 5742-SC1-0E  
 Contains Type I OS program listings as specified in the title.  
 Microfiche
- SJD2-2050  
OS/VS1 TCAM LEVEL 2 (5744-AW1)  
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.  
 Microfiche
- SJD2-2121  
OS/VS1 RELEASE 3.0 POWER WARNING FEATURE ICR 5741-SC1-0E  
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.  
 Microfiche
- SJD2-2125  
OS/VS1 TCAM LEVEL 5 OBR/SDR/EREP SUPPORT - PROGRAM NUMBER  
5741-SC1-CD  
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.  
 Microfiche
- GJD2-4001  
DOS/360 BTAM MICROFICHE LISTING - PROGRAM NUMBER 360N-CQ-469  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche
- GJD2-4002  
370 DOS BTAM, MICROFICHE LISTING, PROG. NO. 370N-CQ-469  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche
- GJD2-4100  
IBM 3705 SYSTEM SUPPORT PACKAGE FOR OS - MICROFICHE LISTING  
PROG. NO. 360H-TX-035  
 This is the type 1 3705 microfiche support package for OS, program number 360H-TX-036.  
 Microfiche
- GJD2-4101  
IBM 3705 SYSTEM SUPPORT PACKAGE FOR DOS - MICROFICHE  
LISTING - PROGRAM NUMBER 360H-TX-036  
 This is the IBM 3705 Microfiche (System Support Package for DOS, program number 360H-TX-036).  
 Microfiche, 56 cards, red stripe
- GJD2-4102  
3705 EMULATOR UNDER OS - MICROFICHE LISTING - PROGRAM NUMBER  
360H-TX-033  
 Contains Type I OS program listings as specified in the title.  
 Microfiche
- SJD2-4103  
3705-OS/VS-ASM PROGRAM LISTING MICROFICHE INDEPENDENTLY  
DISTRIBUTED PROGRAM 5744-AN1  
 Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.  
 Microfiche
- SJD2-4104  
IBM 3705 EMULATOR PROGRAM FOR VIRTUAL STORAGE - MICROFICHE  
PROGRAM NUMBER 360H-TX-033  
 No abstract available.  
 Microfiche

GJD2-4105

IBM 3705 NETWORK CONTROL PROGRAM  
Contains Type I OS program listings as specified in the title.  
Microfiche

LJD2-4106

3704/5 EMULATOR PRPQ P85004 SIX BIT TRANSCODE - PROGRAM NUMBER 5799-AGA  
This PRPQ provides for decoding Six Bit Transcode control characters and performing standard BSC control functions. Also included is the capability of accumulating a special CRC for Six Bit Transcode and the capability for Transparent Mode operation.  
Microfiche

LJD2-4107

3705/4 EP PRPQ P85007 SPECIAL START-STOP - PROGRAM NUMBER 5799-AGK  
This PRPQ provides for support of special start-stop equipment. Operation is in half-duplex mode at 1200 bits/second. Data is transparent; there is no checking for control characters. The Reverse Channel Feature is supported in conjunction with a hardware RPQ to the 3705.  
Microfiche

SJD2-4108

3704/3705 SSP - DOS/VS (5747-AG1)  
This microfiche is the program listing for the IBM 3704 and IBM 3705 Communications Controllers' System Support Program under DOS/VS.  
Microfiche

GJD2-4109

3704/3705 NETWORK CONTROL PROGRAM PROGRAM LISTINGS NO. 5735-SC2 OS RELEASE 21  
This microfiche contains the program listings for the program appearing in the title.  
Microfiche

GJD2-4112

IBM 3705 USASCII TRANSPARENCY PRPQ P85003 PRPQ 5799-AFZ  
Contains program listings as specified in the title.  
Microfiche

GJD2-4117

3704/3705 SSP RELEASE 1.4 (360H-TX-035)  
This microfiche is the program listing for the IBM 3704 and IBM 3705 Communications Controllers' System Support Program under OS.  
Microfiche

GJD2-4118

3704/3705 NETWORK CONTROL PROGRAM 2 OS/VS SSP NO. 5744-AN1 LISTINGS  
This microfiche contains the program listings for the program appearing in the title.  
Microfiche

GL19-0003

CUSTOM SYSTEM DESCRIPTION: IBM 2970 MODEL 8 BANK TERMINAL, RPQ 858230  
The IBM 2970 Model 8 Bank Terminal is an Input/Output Writer, cable-connected to a Control Unit. The keyboard of the I/O Writer is similar to that of a typewriter, but with the convenience of an adding-machine-layout portion for teller's entry, via the Control Unit and communications facilities, of financial transaction information. A System/360 performs computations and remotely operates the I/O Writer to update passbooks and other documents.  
This manual provides basic information for planning for 2970 Model 8's in a bank system, for programming bank applications, and for setup and operations by supervisors and tellers.

The manual is prepared for use by systems analysts and systems engineers with a knowledge of bank policies, programmers with a knowledge of the System/360 programming system used at their particular installation, and supervisors and tellers with a knowledge of their bank's procedures.  
Systems Reference Library Manual, 50 pages

GL21-9071

IBM 2501 CARD READER, MODELS A AND B RPQ FEATURES  
This publication describes two RPQ features; i.e. second stacker and 51/80 column card features.  
To use this publication effectively, the reader must be familiar with the operations of the standard IBM 2501 Models A1, A2, B1, and B2. The operations of the 2501 Models A1 and A2 are described in the publication, IBM SYSTEM/360 MODEL 20, 2501 CARD READER, Form A26-5892. The operations of the 2501 Models B1 and B2 are described in the publication, IBM 2501 MODELS B1 AND B2, COMPONENT DESCRIPTION AND OPERATING PROCEDURES, Form A21-9026.  
Systems Reference Library Manual, 16 pages

GL22-6871

IBM SYSTEM/360 2911 MANUAL SWITCHING UNIT MODELS 1, 2, and 5 AND 2989 REMOTE SWITCHING CONSOLE SPECIAL SYSTEMS FEATURE  
This bulletin describes the function of the 2911 Manual Switching Unit and the 2989 Remote Switching Console for System/360 signal lines.  
Systems Reference Library Manual, 16 pages

GL22-6901

IBM 2937 MODELS 1, 2, AND 3, MULTIPLIER-SUMMATION PROCESSOR, SPECIAL SYSTEM FEATURE, RPQ 880626  
This bulletin describes the function of the multiplier summation processor as an input/output device of the IBM System/360. Physical and electrical requirements are given along with illustrations of the formation of final product sums.  
Systems Reference Library Manual, 16 pages

GL22-6902

IBM SYSTEM/360 MODEL 40 SUM OF PRODUCTS INSTRUCTION - RPQ W12561 SPECIAL SYSTEMS FEATURE  
This bulletin describes the function of a new instruction, Sum of Products, as an option of System/360 Model 40. Computation of the convolution integral is possible with this single instruction. The instruction is described and timing and overflow considerations are given.  
Systems Reference Library Manual, 2 pages

GL22-6903

IBM SYSTEM/360 MODEL 40, HALFWORD TRANSLATE INSTRUCTION - RPQ W13462 SPECIAL SYSTEMS FEATURE  
This bulletin describes the function of a new instruction, Halfword Translate, as an option of System/360 Model 40. The instruction is used in a data move operation. A description of the instruction is given, together with its timing.

Halfword Translate, a new instruction in System/360 Model 40, operates in a manner similar to the normal translate instruction. The two instructions differ in that the translate table is halfword translate occupies a possible 65,536 bytes or 32,768 halfword entries. Instruction functions are in accordance with the following description.

The instruction is used in a data move type operation, selecting data from a record and forming a table of data which can be used with RPW W12561, Sum of Products instruction. Halfword translate uses the SS format and operation code E3.  
Systems Reference Library Manual, 2 pages

GL22-6904

IBM SYSTEM/360 MODEL 40, TABLE ADDRESS CHAINING - RPQ W13518 SPECIAL SYSTEMS FEATURE  
This bulletin describes the function of table address chaining as a System/360 Model 40 I/O data chaining option. A description of the option is given together with restrictions for use of the option.  
System Reference Library Manual, 2 pages

GL22-6928

IBM AIRLINES RESERVATION SYSTEM, REMOTE EQUIPMENT INSTALLATION MANUAL - PHYSICAL PLANNING  
This manual contains information necessary for planning the physical installation of the remote equipment for an IBM Airlines Reservation System.  
In addition to technical information needed for physical installation planning, it contains recommendations and suggestions to be used as a guide only in planning an efficient and pleasant installation. The customer should make such arrangements as he deems necessary for professional consultant's services in planning his installation. It is important that local and national code requirements be adhered to by the customer.  
Systems Reference Library Manual, 32 pages

GL22-6936

IBM 2914 SWITCHING UNIT MODEL 1, RPQ 880882, CUSTOM FEATURE: INSTALLATION MANUAL - PHYSICAL PLANNING  
This manual contains physical planning data necessary to install the IBM 2914 Switching Unit Model 1. The planning requirements of this unit are subject to modification by engineering developments.  
In any multiple-equipment installation, specifications for the most critical unit must be met.  
Manual, 22 pages

GL22-6937

IBM SYSTEM/360 CUSTOM FEATURE DESCRIPTION 2914 SWITCHING UNIT MODEL 1 - RPQ 880882  
This publication describes the organizational, functional, and operational characteristics of the IBM 2914 Switching Unit Model 1, which attaches to the IBM System/360 Models 25, 30, 40, 44, 50, 65, 67, 75, and 85. Attachment to a System/360 is via the standard system/360 I/O interface of a selector or multiplexer channel.  
Systems Reference Library manual, 19 pages



GL22-6940

IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1--RPQ888117

This reference manual contains a direct, comprehensive description of the IBM 2969-1 system structure; of the logical, translation, switching, and input/output operations; and of the interruption system. The 2969-1 is a stored-program teleprocessing unit, which performs the functions of a highly sophisticated communications network-CPU. The CPU may be an IBM System/360 Model 50, 65, or 195 under control of the Airlines Control Program or an equivalent control program using the same interface. Systems Reference Library Manual, 142 pages

GL22-6945

IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1, RPQ 888117 - INSTALLATION MANUAL - PHYSICAL PLANNING

This manual contains all the physical planning data necessary to install the IBM 2969 Programmable Terminal Interchange Model 1, RPQ 888117. The requirements are subject to modification by engineering developments. Note that in any multiple-equipment installation, specifications for the most critical unit must be met.

Data is given in the standard format and with the standard symbols found in IBM System/360 Installation Manual - Physical Planning (GC22-6820), which is a required reference.

This publication is intended for use by customer and IBM installation planning personnel, as well as architects, and electrical and building contractors. Systems Reference Library Manual, 24 pages

GL22-6960

IBM RESERVATION SYSTEM CUSTOM FEATURE DESCRIPTION

This publication describes the functional and operational characteristics of the input/output units used as remote and local equipment in an IBM Reservation System. These input/output units form a subsystem for the generation and display of reservation messages to and from the central processing unit (CPU). The subsystem can attach to the CPU either directly, via wire lines, or remotely, via leased common-carrier or private telephone lines.

This manual is intended for users of reservation systems and assumes a background knowledge of data processing equipment and basic teleprocessing techniques. Manual, 28 pages

GL22-6979

IBM 2947 MODEL 4 CHECK COLLECTION CONTROLLER (RPQ 888264) FUNCTIONAL CHARACTERISTICS - REFERENCE MANUAL

This publication describes the overall functions, organization, and operation of the IBM 2947 Model 4 Check Collection Controller. Information concerning reader-sorter and printer operations with the required definitions for initialization data, sort control words, printer control and formatting data, and sense and status data are provided. Although generally the information is written to an audience level of a systems engineer, it may be of interest to anyone seeking information about the general characteristics and operation of the 2947 Model 4. In particular, the information required to supplement the Assembly Facility User's Guide (LC28-6689) in writing assembly language user programs for the 2947 Model 4 is provided.

The reader is assumed to have an understanding of banking data processing and a basic knowledge of the IBM 1419 Model 1 Magnetic Character Reader and the IBM 1403 Model N1 Printer as described in IBM 1219 Reader Sorter, IBM 1419 Magnetic Character Reader (GA24-1499), and IBM 1403 Printer Component Description (GA24-3073).

This information is subject to engineering development modification. Systems Library Manual, 68 pages

GL22-6982

IBM 2947 CHECK COLLECTION CONTROLLER MODEL 4 (RPQ 888264) INSTALLATION MANUAL PHYSICAL PLANNING

This manual contains all physical planning data necessary to install the IBM 2947-4 Check Collection Controller.

If a unit is to be installed in conjunction with a computer system, specifications for the most critical unit must be met. Similarly, units installed in conjunction with the 2947-4 require specifications to be met for the most critical unit in the installation.

Data follows the same format and uses the same standardized symbols as IBM System/360 Installation Manual Physical Planning (GC22-6820). Manual, 6 pages

GL22-7015

IBM 7441-1/1980-9 CUSTOM TERMINAL FUNCTIONAL CHARACTERISTICS OPERATING PROCEDURES AND PHYSICAL PLANNING

This manual describes the operations, controls and special features of the IBM 7441 Buffered Terminal Control (Model 1) and the IBM 1980 Buffered Terminal (Model 9). The communications facilities that can be used with the teleprocessing terminal are described. Appendixes containing the physical planning specifications, RPQ numbers, a glossary of terms, terminal service procedures, a problem identification chart and character coding are provided. Manual, 52 pages

GL22-7025

2914 STORAGE CONTROL INTERFACE SWITCH MODEL 2 (RPQ 8P0290) PRODUCT DESCRIPTION AND PHYSICAL PLANNING

This publication provides systems engineers with both introductory and reference information about the IBM 2914. It includes the characteristics, operation, and physical planning information about the 2914, an operator-controlled facility for switching storage devices of the IBM System/360 Model 195 and System/370 Models 115 through 195. Manual, 28 pages

GL24-3570

IBM 2946 TERMINAL CONTROL SUBSYSTEM COMPONENT DESCRIPTION AND OPERATING GUIDE

This reference publication describes the IBM 2946 Terminal Control Subsystem used with an IBM Programmed Airlines Reservations System (PARS), or equivalent. Subsystem components are: IBM 2946 Terminal Control Unit Model 1 and 2, and 4 (RPQ 810480, RPQ 810491, and RPQ 810555), IBM 4505 Model 22 Keyboard (RPQ 8G0019), IBM 4505 Model 23 Video Display (RPQ 8G0016), and IBM 1980 Model C24 Printer (RPQ 888126). Presented for reservations system planners, programmers, and terminal operators are: unit descriptions, line control, message formats, operator controls, and operating procedures.

For reservations system operation and terminology, refer to PARS Terminal User's Guide A09-6160, available through the local sales representative. Manual, 32 pages

GL24-3571

IBM 2946 TERMINAL CONTROL SUBSYSTEM INSTALLATION MANUAL PHYSICAL PLANNING

This publication provides physical planning information for the IBM 2946 Terminal Control Unit Models 1, 2, and 4 (RPQ 810480, RPQ 810491, and RPQ 810555), and associated input/output units used in an IBM Programmed Airlines Reservation System (PARS): IBM 4505 Model 22 Keyboard (RPQ 8G0019), IBM 4505 Model 23 Video Display (RPQ 8G0160), IBM 1980 Model C24 Printer (RPQ 888126), and IBM 7411 Model 1 Remote Terminal Control Unit (RPQ 8K0142). Included are physical specifications and cable, electrical, and environmental requirements.

For related publications, see IBM System/360 and System/370 Bibliography, GA22-6822. Manual, 20 pages

GL24-3591

IBM 2927 TAPE-TO-PRINTER UNIT RPQ 812390 & 812391 COMPONENT DESCRIPTION

This reference publication for system planners, programmers, and operators provides information required to use the IBM 2927 Tape-to-Printer Unit. The 2927 consists of two tape drives and a control unit (RPQ 812390) and a printer control unit (RPQ 812391). Used with an IBM 1403 Printer Model N1, the 2927 serves as a stand-alone, programmable tape-to-printer system.

Major subjects presented are:

- o Tape Drives--drive controls, operating procedures, and user maintenance
- o Tape Control Unit--I/O operations, command codes, and programming and status information
- o Printer Control Unit--core storage allocations, data flow, logical processing and transferring of data, error detection and recovery, and operating procedures
- o Programming Concepts--coding examples and instructions for building a loadable program tape. Referenced are several programs that can be adapted to the 2927 tape-to-printer operation.

Prerequisite publications are IBM System/360 Principles of Operation, Order Number GA22-6821, and IBM System/360 Reference Card, GX20-1703. Manual, 100 pages

GL24-3592

IBM 2927 TAPE-TO-PRINTER UNIT, RPQ 812390 AND 812391: INSTALLATION MANUAL - PHYSICAL PLANNING

This publication provides physical planning information for those planning for and preparing for the site for the installation of the IBM 2927 Tape-to-Printer Unit which consists of a tape control unit (RPQ 812390) and a printer control unit (RPQ 812391). Included are physical specifications, and cable, electrical, and environmental requirements.

For the function and operation of this unit, refer to IBM 2927 Tape-to-Printer Unit Component Description and Operating Procedures (GL24-3591). For general physical planning information, refer to IBM System/360 Installation Manual--Physical Planning (GA22-6820). For related publications, see IBM System/360 and System/370 Bibliography (GA22-6822). Manual, 8 pages

GL24-3596

IBM 2922 PROGRAMMABLE TERMINAL RPQ'S 810563, 810564, 810565 INSTALLATION MANUAL--PHYSICAL PLANNING

This publication provides physical planning information for those planning and preparing a site for the installation of the IBM 2922 Programmable Terminal that consists of an IBM 2922-1 Terminal Control Unit, an IBM 2922-2 Terminal

Printer, and an IBM 2922-3 Terminal Card Reader. Included are physical specifications and cable, electrical, and environmental requirements.

For the function and operation of this unit, refer to IBM 2922 Programmable Terminal Component Description, GL24-3597. For general physical planning information, refer to IBM System/360 Installation Manual--Physical Planning, GA22-6820, or IBM System/370 Installation Manual--Physical Planning, GC22-7004.

Installation Manual, 10 pages

## GL24-3597

IBM 2922 PROGRAMMABLE TERMINAL (RPO 810563, 810564 AND 810565) COMPONENT DESCRIPTION AND OPERATING PROCEDURES

This publication, for system planners, programmers, and operators, presents the functional description and operating procedures of the IBM 2922 Programmable Terminal. The 2922 consists of a 2922-1 Terminal Control Unit (RPO 810563), cable-connected to a 2922-2 Terminal Printer (RPO 810564) and a 2922-3 Terminal Card Reader, RPO 810565. In addition, the IBM 2152 Printer-Keyboard, RPO 810581, and the IBM 1442 Card Punch Model 5, RPO AD1629, can be attached (optional). In this publication:

- o Chapter 1 - describes the 2922-1: data formats, instructions, time sharing, arithmetic and logical functions, and gives programming suggestions and terminal console operations.
- o Chapter 2 - presents operating procedures and associated instructions for the reader, printer and optional printer-keyboard, and an optional card punch.
- o Chapter 3 - discusses the binary synchronous communications adapter: operating principles, transmission codes, instruction sets, control characters, and sense information.
- o Appendixes contain reference information: conversion tables, operation and condition codes, instruction examples, stop codes, and a glossary.

Terminal, Component Description, Order No. GA27-3005. Manual, 272 pages

## GL27-3009

2905 REMOTE MULTIPLEXER COMPONENT DESCRIPTION

This publication describes the IBM 2905 Remote Multiplexer and its operation. The 2905 is used with various IBM and common-carrier terminals and is connected to an IBM System/360 through the IBM 2906 Data Transmission Unit. Communication facilities that can be used with the 2905 are specified.

Systems Reference Library Manual, 116 pages

## GL27-3010

IBM SYSTEM/360 CUSTOM SYSTEMS UNIT, 2905 REMOTE MULTIPLEXER, 2906 TRANSMISSION CONTROL, INSTALLATION MANUAL - PHYSICAL PLANNING

This publication contains detailed physical-planning information for the IBM 2905 Remote Multiplexer and the IBM 2906 Transmission Control. Dimensions, weights, cable specifications, service clearances, physical specifications, and electrical and environmental requirements for each unit are included.

Systems Reference Library Manual, 10 pages

## GL27-3020

IBM 2972 MODELS 8 AND 11 GENERAL BANKING TERMINAL SYSTEM COMPONENT DESCRIPTION

This manual describes the features and operating principles of the 2972 Models 8 and 11 General Banking Terminal Systems. This system is designed to meet banking needs in the areas of customer service, teller efficiency, and transaction accounting.

Specific information is given concerning the units available and their functions. This manual is primarily intended for use by banking system analysts, programmers, systems engineers, and tellers. It is not necessary for the reader to have a knowledge of computer or communications technology.

The 2972-8 system consists of the 2972-8 Control Unit, the 2971-3 Remote Control Unit, the 2980-1 Teller Station, the 2980-2 Administrative Station, and the 2980-4 Teller Station. The 2972-11 system consists of the 2972-11 Control Unit and the 2980-1, -2, and -4 stations. Each unit is described and its functions are discussed in detail. Also included is information on manual indicators, keyboard configurations, passbook specifications, communication sequences, and available RPO's.

Systems Reference Library Manual, 80 pages

## GL27-3022

CUSTOM SYSTEM DESCRIPTION:

IBM 2740-1/2950-2 BATCH BUFFER TERMINAL SYSTEMS REFERENCE

This manual describes the IBM 2740-1/2950-2 Batch Buffer Terminal, which consists of a modified 2740 Communication Terminal Model 1 attached to a 2950 Model 2 Batch Buffer. Specific information is given on configurations, operational characteristics, operating procedures, and special features.

This manual is intended for use by systems analysts, systems engineers, customer supervisory personnel, and 2740/2950 operators. Readers should have a basic knowledge of teleprocessing and disk operating principles.

Manual, 36 pages

## GL27-3025

IBM 2740-1/2950-2 BATCH BUFFER TERMINAL

INSTALLATION MANUAL - PHYSICAL PLANNING

This manual, when used with the SRL (Systems Reference Library) publication IBM REMOTE MULTIPLEXERS AND COMMUNICATIONS TERMINALS: INSTALLATION MANUAL-PHYSICAL PLANNING, Form A27-3006, will provide the information necessary to plan your physical facilities and communication lines for installing the 2740-1/2950-2 Batch Buffer Terminal. SRL Form A27-3006 provides detailed requirements for the IBM 2740-1 and necessary communication lines. All cables are supplied by IBM and shipped with the units. Systems Reference Library Manual, 7 pages

## GQ27-6939

IBM SYSTEM/360 OPERATING SYSTEM RELEASE 20 MFT GUIDE A FIXED NUMBER OF TASKS (MFT) PROGRAM NUMBER 360S-CI-505

No abstract available. Manual

## GQ28-6551

OS STORAGE ESTIMATES (PRIOR RELEASE)

This publication is a prior edition of publication order number GC28-6551 and is used with OS Release 20.0 Manual

## GQ28-6554

OS/360 SYSTEM GENERATION

This manual is equivalent to GC28-6554-11 and is for use with OS Release 21.0. Manual

## GQ28-6628

OS SYSTEM CONTROL BLOCKS (PRIOR EDITION)

This publication is a prior edition of publication order number GC28-6628 and is used with OS Release 20.0. Manual

## GQ28-6631

OS MESSAGES AND CODES (PRIOR EDITION)

This publication is a prior edition of publication order number GC28-6631 and is used with OS Release 20.0. Manual

## GQ28-6646

OS SUPERVISOR SERVICES AND MACRO INSTRUCTIONS (PRIOR EDITION)

This publication is a prior edition of publication order number GC28-6646 and is used with OS Release 20.0. Manual

## GQ28-6647

IBM SYSTEM/360 OPERATING SYSTEM SUPERVISOR SERVICES

OS/MFT & OS/MVT RELEASE 20.1, 20.0  
OS/MFT & OS/MVT RELEASE 20.1, 20.0

This manual is equivalent to GC28-6647-5. Manual

## GQ28-6650

ON-LINE TEST EXECUTIVE PROGRAM

OS/MFT & OS/MVT RELEASE 20.0

This manual is equivalent to GC28-6650-4. Manual,

## GQ28-6680

OS/360 TAPE LABELS

This manual is equivalent to GC28-6680-4 and is for use with OS Release 21.0. Manual

## GQ28-6703

JOB CONTROL LANGUAGE USER'S GUIDE

OS/MFT & OS/MVT RELEASE 20.0

This manual is equivalent to GC28-6703-1. Manual

## GQ28-6720

OS MVT GUIDE (PRIOR EDITION)

This publication is a prior edition of publication order number GC28-6720 and is used with OS Release 20.0. Manual

## GQ68-6660

OS MVT JOB MANAGEMENT - PLM (PRIOR EDITION)

This publication is a prior edition of publication order number GY28-6660 and is used with OS Release 20.0. Manual

## SR20-1078

SYSTEM/360 - 370 OPERATOR'S REFERENCE GUIDE

This manual is intended for use by anyone operating a System/360.

Topics included are, trouble analysis (Flow-System 360

Operator's Reference Guide.  
Operating System information on OS and DOS.  
Manual, 3-3/4" by 6-5/8", 188 pages

SR20-4193

TSO COMMAND LANGUAGE FOR APPLICATION PROGRAMMERS - A PRIMER  
SELF-STUDY TEXT

A subset of the TSO Command Language related to an applications programmer is presented in this text for use at a terminal by a student having a basic knowledge of FORTRAN, COBOL, or PL/1. The non-professional programmer (problem-solver) should use the ITF:PL/1, ITF:BASIC, or Code-and-Go FORTRAN texts. The teaching strategy is to guide the student through the entire task which he generally performs (create test data, write programs, compile and execute programs, and re-cycle as necessary). Provided for an application programmer who has used at least one programming language. He may or may not be familiar with the Operating System. Prerequisites:

1. A knowledge of how to use the type of terminal that will be used in conjunction with this text.
2. A general knowledge of the higher-level programming language which will be used (FORTRAN, COBOL, or PL/1).
3. Availability of a terminal on-line to a TSO system.

Terminal Oriented Self-study Text, 60 pages

SR20-4194

TSO COMMAND LANGUAGE FOR ADMINISTRATIVE APPLICATIONS  
A PRIMER

The objective of this self-study modular terminal oriented text is to teach the student how to use the TSO Command Language, at an IBM 2741 terminal, for data entry and text editing.

The student is defined as a typist, secretary or card punch operator.

Upon completion of the text and having successfully performed the terminal exercises the student, depending upon the modules selected, should be able to use the TSO Command Language at a 2741 terminal to perform at least one or more of the following jobs:

- o Enter, save, and list coded source program statements. Modify the program after it has been entered.
- o Enter, save, and list data, (Names, Addresses, Part Numbers, etc.) Modify the data after it has been entered.
- o Enter, save, and list text. Modify the text after it has been entered.
- o Produce a formatted output of an unformatted text entry.

Terminal Oriented Self-study Text, 170 pages

GR20-4260

INTRODUCTION TO VIRTUAL STORAGE IN SYSTEM/370 STUDENT TEXT

This student text explains the concepts of dynamic relocation, dynamic address translation and virtual storage and it defines all related terminology. The student text describes a theoretical virtual storage system that is closely related to the implementation of OS/VS and DOS/VS, and it then describes how virtual storage is implemented in the OS/VS and DOS/VS systems on System/370.  
Student Text, 96 pages

SR20-4438

CMS FOR PROGRAMMING - A PRIMER (STUDENT TEXT)

This terminal oriented self-study text is intended to be an introduction to CMS the Conversational Monitor System for the programmer who performs the function of coding, testing, debugging, and documenting applications for data processing. It is assumed that the individual using this text already has a knowledge of a programming language (Assembler, COBOL, FORTRAN, or PL/I), an operating familiarity with the terminal to be used, and a VM/370 system with the terminal attached.

The text is divided into 5 major areas:  
Gaining Access to VM/370  
Creating and Maintaining Data Files  
Program Development and Execution  
Program Debugging  
Program Documentation

The sections on Program Development and Program Debugging are further divided according to the programming language selected.

Manual, 128 pages

GT00-0001

OS IBM 1285, 1287 AND 1288 OPTICAL READER DATA MANAGEMENT  
MACROS AND SERVICES (PRIOR EDITION)

This publication is a prior edition of publication order number GC21-5004 and is used with OS Release 20.1, Release 20.0 and Release 19.

Manual

GT00-0002

OS DATA MANAGEMENT SERVICES (PRIOR EDITION)

PROG NOS. 360S-AS-036, -037, 360S-DM-508, -509, 360S-IO-526  
This publication is a prior edition of publication order number GC26-3746 and is used with OS Release 20.1 and Release 20.0.

Manual

GT00-0003

OS ASSEMBLER (F) PROGRAMMER'S GUIDE

PROGRAM NUMBER 360S-AS-037 (PRIOR EDITION)

This publication is a prior edition of publication order number GC26-3756 and is used with OS Release 20.1 and Release 20.0.

Manual

GT00-0004

OS GRAPHIC PROGRAMMING SERVICES FOR THE IBM 2260 DISPLAY  
STATION - PROGRAM NUMBER 360S-IO-523 (PRIOR EDITION)

This publication is a prior edition of publication order number GC27-6912 and is used with OS Release 20.1, Release 20.0 and Release 19.

Manual

GT00-0005

OS MFT GUIDE - PROGRAM NUMBER 360S-CI-505 (PRIOR EDITION)

This publication is a prior edition of publication order number GC27-6939 and is used with OS Release 20.1.

Manual

GT00-0006

OS ASSEMBLER LANGUAGE - PROGRAM NUMBERS 360S-AS-036  
360S-AS-037 (PRIOR EDITION)

This publication is a prior edition of publication order number GC28-6514 and is used with OS Release 20.1 and Release 20.0.

Manual

GT00-0007

OS LINKAGE EDITOR AND LOADER PROGRAM NUMBERS 360S-ED-521,  
360S-ED-510 AND 360S-LD-547 (PRIOR EDITION)

This publication is a prior edition of publication order number GC28-6538 and is used with OS Release 20.1, Release 20.0 and Release 19.

Manual

GT00-0008

OS SORT/MERGE - PROGRAM NUMBER 360S-SM-023 (PRIOR EDITION)

This publication is a prior edition of publication order number GC28-6543 and is used with OS Release 20.1 and Release 20.0.

Manual

GT00-0009

OS DATA MANAGEMENT FOR SYSTEM PROGRAMMER'S GUIDE

PROGRAM NUMBER 360S-CI-555 (PRIOR EDITION)

This publication is a prior edition of publication order number GC28-6550 and is used with OS Release 20.1.

Manual

GT00-0010

OS STORAGE ESTIMATE (PRIOR RELEASE)

This publication is a prior edition of publication order number GC28-6551 and is used with OS Release 20.1.

Manual

GT00-0011

OS SYSTEM GENERATION (PRIOR RELEASE)

This publication is a prior edition of publication order number GC28-6554 and is used with OS Release 20.1 and Release 20.0.

Manual

GT00-0012

OS UTILITIES - PROGRAM NUMBERS 360S-UT-506, 360S-UT-507  
(PRIOR EDITION)

This publication is a prior edition of publication order number GC28-6586 and is used with OS Release 20.1 and Release 20.0.

Manual

GT00-0013

OS ALGOL LANGUAGE

This publication is a prior edition of publication order number GC28-6615 and is used with OS Release 20.1, Release 20.0 and Release 19.

Manual

GT00-0014

OS SYSTEM CONTROL BLOCKS (PRIOR EDITION)

This publication is a prior edition of publication order number GC28-6628 and is used with OS Release 20.1.

Manual

GT00-0015

OS MESSAGES AND CODES (PRIOR EDITION)

This publication is a prior edition of publication order number GC28-6631 and is used with OS Release 20.1.

Manual

GT00-0016  
OS SUPERVISOR SERVICES AND MACRO INSTRUCTIONS  
 (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC28-6646 and is used with OS Release 20.0. Manual

GT00-0017  
OS ON-LINE TEXT EXECUTIVE PROGRAM (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC28-6650 and is used with OS Release 20.1. Manual

GT00-0018  
OS PROGRAMMER'S GUIDE TO DEBUGGING (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC28-6670 and is used with OS Release 20.1 and Release 20.0. Manual

GT00-0019  
OS TAPE LABELS (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC28-6680 and is used with OS Release 20.1 and Release 20.0. Manual

GT00-0020  
OS SYSTEM/360 OPERATING SYSTEM OPERATOR'S REFERENCE MANUAL (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC28-6691 and is used with OS Release 20.1 and Release 20.0. Manual

GT00-0021  
OS TSO GUIDE  
 PROG. NOS. 360S-CI-505, -535, -555  
 This publication is a prior edition of publication order number GC28-6698 and is used with OS Release 20.1. Manual

GT00-0022  
OS JOB CONTROL LANGUAGE REFERENCE MANUAL (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC28-6704 and is used with OS Release 20.1. Manual

GT00-0023  
OS ADVANCED CHECKPOINT/RESTART (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC28-6708 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual

GT00-0024  
OS SYSTEMS MANAGEMENT FACILITIES (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC28-6712 and is used with OS Release 20.1. Manual

GT00-0025  
OS SERVICE AIDS (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC28-6719 and is used with OS Release 20.1 and Release 20.0. Manual

GT00-0026  
OS MVT GUIDE (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC28-6720 and is used with OS Release 20.1. Manual

GT00-0027  
OS RELEASE GUIDE (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC28-6730 and is used with OS Release 20.1. Manual

GT00-0028  
OS TSO COMMAND LANGUAGE REFERENCE (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC28-6732 and is used with OS Release 20.1. Manual

GT00-0029  
OS RDE GUIDE (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC28-6747 and is used with OS Release 20.1. Manual

GT00-0030  
OS TSO TERMINAL USER'S GUIDE (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC28-6763 and is used with OS Release 20.1. Manual

GT00-0031  
OS TSO GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR A COMMAND PROCESSOR (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC28-6764 and is used with OS Release 20.1. Manual

GT00-0032  
OS REMOTE JOB ENTRY (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC30-2006 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual

GT00-0033  
OS CONVERSATIONAL RJE CONCEPTS AND FACILITIES (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC30-2012 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual

GT00-0034  
OS CONVERSATIONAL RJE TERMINAL USER'S GUIDE (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC30-2014 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual

GT00-0035  
OS CONVERSATIONAL RJE SYSTEM PROGRAMMER'S GUIDE (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC30-2016 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual

GT00-0036  
OS TCAM PROGRAMMER'S GUIDE AND REFERENCE MANUAL - PROGRAM NUMBER 360S-CQ-548  
 This manual is equivalent to GC30-2024-1 and is for use with OS Release 20.1. Manual, 450 pages

GT00-0037  
OS ALGOL PROGRAMMER'S GUIDE (PRIOR EDITION)  
 This publication is a prior edition of publication order number GC33-4000 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual

GT00-0038  
IBM OPERATING SYSTEM/360 REFERENCE CARD: SERVICE AIDS  
 This reference card is equivalent to GX28-6749-02 and is for use with OS Release 21.0. Reference card, 3-3/4 x 8-1/2 inches

GT00-0039  
OS IBM 1285, 1287, 1288 OPTICAL READERS - PLM (PRIOR EDITION)  
 This publication is a prior edition of publication order number GY21-0013 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual

GT00-0040  
OS GRAPHICS ACCESS METHOD - PLM (PRIOR EDITION)  
 This publication is a prior edition of publication order number GY27-7113 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual

GT00-0041  
OS JOB MANAGEMENT WITH MFT-PLM (PRIOR EDITION)  
 This publication is a prior edition of publication order number GY27-7128 and is used with OS Release 20.1 and Release 20.0. Manual

GT00-0042  
OS MACHINE CHECK HANDLER FOR S/370 MODEL 155, 165-PLM (PRIOR EDITION)  
 This publication is a prior edition of publication order number GY27-7198 and is used with OS Release 20.1 and Release 20.0. Manual

GT00-0043  
OS TSO CONTROL PROGRAM - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY27-7199 and is used with OS Release 20.1. Manual

GT00-0044  
OS MFT SUPERVISOR - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY27-7236 and is used with OS Release 20.1 and Release 20.0. Manual

GT00-0045  
OS MACHINE CHECK HANDLER FOR S/370 MODELS 135, AND 145 PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY27-7237 and is used with OS Release 20.1. Manual

GT00-0046  
OS AMERICAN NATIONAL STANDARD COBOL - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY28-6395 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual

GT00-0047  
OS SORT/MERGE - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY28-6597 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual

GT00-0048  
OS SEQUENTIAL ACCESS METHOD - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY28-6604 and is used with OS Release 20.1. Manual

GT00-0049  
OS CATALOG MANAGEMENT - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY28-6606 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual

GT00-0050  
OS DIRECT ACCESS DEVICE SPACE MANAGEMENT - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY28-6607 and is used with OS Release 20.1. Manual

GT00-0051  
OS/360 OPEN/CLOSE/EOV LOGIC - PROGRAM NUMBER 360S-DM-508  
This manual is equivalent to GY28-6609-05 and is for use with OS Release 20.1 (with TNL GN26-8015) and Release 20.0. Manual, 125 pages

GT00-0052  
OS UTILITIES - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY28-6614 and is used with OS Release 20.1 and Release 20.0. Manual

GT00-0053  
OS INPUT/OUTPUT SUPERVISOR - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY28-6616 and is used with OS Release 20.1. Manual

GT00-0054  
OS BASIC DIRECT ACCESS METHOD - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY28-6617 and is used with OS Release 20.1. Manual

GT00-0055  
OS ISAM LOGIC (PRIOR EDITION) PROG. NO. 360S-IO-526  
This publication is a prior edition of publication order number GY28-6618 and is used with OS Release 20.1. Manual

GT00-0056  
OS ON-LINE TEST EXECUTIVE PROGRAM - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY28-6551 and is used with OS Release 20.1. Manual

GT00-0057  
OS MVT SUPERVISOR - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY28-6659 and is used with OS Release 20.1 and Release 20.0. Manual

GT00-0058  
OS MVT JOB MANAGEMENT - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY28-6660 and is used with OS Release 20.1. Manual

GT00-0059  
OS INITIAL PROGRAM LOADER AND INITIALIZATION PROGRAM - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY28-6661 and is used with OS Release 20.1 and Release 20.0. Manual

GT00-0060  
OS LINKAGE EDITOR (F) - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY28-6667 and is used with OS Release 20.1 and Release 20.0. Manual

GT00-0061  
OS TSO TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY28-6770 and is used with OS Release 20.1. Manual

GT00-0062  
OS CONVERSATIONAL RJE - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY30-2011 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual

GT00-0063  
OS TSO COMMAND PROCESSOR VOL. 3 - PLM (PRIOR EDITION)  
This publication is a prior edition of publication order number GY28-6773 and is used with OS Release 20.1. Manual

GT00-0064  
OS OPERATOR'S GUIDE FOR DISPLAY CONSOLES  
This publication is a prior edition of publication order number GC27-6949 and is used with OS Release 20.1, Release 20.0 and Release 19. Manual

GT00-0065  
OS TCAM PLM - PROGRAM NUMBER 360S-CQ-548  
This manual is equivalent to GY30-2029-01 and is for use with OS Release 20.1 (with supplement GY30-2566) and 20.0. Manual, 500 pages

GT00-0066  
OS/360 UTILITIES (PCP ONLY) - PROGRAM NUMBERS 360S-UT-506 AND 360S-UT-507  
This manual is equivalent to GC28-6586-13 and is for use with OS Release 19 only. (PCP users only.) Manual, 596 pages

GT00-0067  
ANS COBOL PROGRAMMER'S GUIDE - PROGRAM NUMBERS 360S-CB-545 AND 360S-LM-546  
This manual is equivalent to GC28-6399-01 and is for use with OS Releases 21.0 (with TNLS GN28-0408, GN28-0422, GN28-0437, and GN28-0473), 20.1 (with TNLS GN28-0408, GN28-0422, and GN28-0437), 20.0 (with TNLS GN28-0408, and GN28-0422), and 19 (with TNL GN28-0408). Manual, 280 pages

GT00-0069  
OS BTAM PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-OS-601  
This manual is equivalent to GY30-2001-4 and is for use with OS Releases 21.0 (with supplement GY30-2552), 20.1 (with supplements GY30-2552 and GY30-2564), 20.0 (with supplement GY30-2552) and Release 19. Manual, 185 pages

GT00-0070  
OS TCAM PROGRAMMER'S GUIDE AND REFERENCE MANUAL - PROGRAM NUMBER 360S-CQ-548  
This manual is equivalent to GC30-2024-2 and is for use with OS Release 21.0. Manual, 450 pages

- GT00-0071  
OS/360 RELEASE 21 GUIDE  
This manual is equivalent to GC28-6730-2 and is for use with OS Release 21.0.  
Manual, 330 pages
- GT00-0072  
OS/360 RELEASE 21 GUIDE  
This manual is equivalent to GC28-6730-3 and is for use with OS Release 21.0.  
Manual, 335 pages
- GT00-0073  
OS/360 TSO GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR A COMMAND PROCESSOR  
This manual is equivalent to GC28-6764-1 and is for use with OS Release 21.  
Manual, 290 pages
- GT00-0074  
OS/360 TSO TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES LOGIC - PROGRAM NUMBER 360S-CI-555  
This manual is equivalent to GY28-6770-2 and is for use with OS Release 21.0.  
Manual, 546 pages
- GT00-0076  
OS TCAM CONCEPTS AND FACILITIES - PROGRAM NUMBER 360S-CQ-548  
This manual is equivalent to GC30-2022-0 and is for use with OS Release 21.0 (with TML GN30-2561) Release 20.1 and 20.0.  
Manual
- GT00-0077  
OS/360 JOB CONTROL LANGUAGE USERS GUIDE  
This manual is equivalent to GC28-6703-2 and is for use with OS Release 20.1.  
Manual
- GT00-0111  
OS/360 TSO GUIDE  
This manual is equivalent to GC28-6698-5 and is for use with OS Release 21.0 and 21.6.  
Manual
- GT00-0112  
OS/360 TSO COMMAND LANGUAGE REFERENCE  
This manual is equivalent to GC28-6732-3 and is for use with OS Release 21.0 and 21.6.  
Manual
- GT00-0113  
OS/360 STORAGE ESTIMATES  
This manual is equivalent to GC28-6551-15 and is for use with OS Release 21.0 and 21.6.  
Manual
- GT00-0114  
OS/360 SYSTEM CONTROL BLOCKS  
This manual is equivalent to GC28-6628-8 and is for use with OS Release 21.0.  
Manual
- GT00-0115  
OS/360 JOB CONTROL LANGUAGE REFERENCE  
PROG. NOS. 360S-CI-505, -535, -555  
This manual is equivalent to GC28-6704-2 and is for use with OS Release 21.0.  
Manual
- GT00-0116  
OS/360 MESSAGES AND CODES  
This manual is equivalent to GC28-6631-12 and is for use with OS Release 21.0.  
Manual
- GT00-0117  
OS/360 DATA MANAGEMENT FOR SYSTEM PROGRAMMERS  
This manual is equivalent to GC28-6550-10 and is for use with OS Release 21.0.  
Manual
- GT00-0119  
OS/360 MACHINE CHECK HANDLER FOR S/370 MODEL 155, 165 PLM  
This manual is equivalent to GY27-7198-1 and is for use with OS Release 21.0.  
Manual
- GT00-0120  
OS/360 MFT SUPERVISOR PLM  
This manual is equivalent to GY27-7236-1 and is for use with OS Release 21.0.  
Manual
- GT00-0121  
OS/360 MVT SUPERVISOR PLM  
This manual is equivalent to GY28-6659-6 and is for use with OS Release 21.0.  
Manual
- GT00-0122  
OS/360 RELEASE 21.6 GUIDE  
This manual is equivalent to GC28-6730-4 and is for use with OS Release 21.6.  
Manual
- GT00-0123  
OS/360 UTILITIES  
This manual is equivalent to GC28-6586-14 and is for use with OS Release 21.0.  
Manual
- GT00-0125  
IBM SYSTEM/360 OPERATING SYSTEM: STORAGE ESTIMATES  
OS/MFT & OS/MVT RELEASE 20.1  
This manual is equivalent to GC28-6551-14.  
Manual
- GT00-0136  
OS/VS2 TSO COMMAND LANGUAGE REFERENCE SUMMARY  
OS/VS2 RELEASE 1.0, 1.6  
This manual is equivalent to GX28-0647-0.  
Manual
- GT00-0139  
OS/MFT - OS/MVT TCAM PROGRAMMER'S GUIDE  
PROG. NO. 360S-CQ-548 - RELEASE 21.0, 21.6  
Back issue of GC30-2024-3.  
Manual
- GT24-5086  
DOS OLTEP RELEASE 26 - PROG. NO. 360N-DN-481  
This manual is equivalent to GC24-5086-2 and is for use with DOS Release 26.  
Manual
- GT26-3756  
OS ASSEMBLER (F) PROGRAMMER'S GUIDE  
PROGRAM NUMBER 360S-AS-037 (PRIOR EDITION)  
This publication is a prior edition of publication order number GC26-3756 and is used with OS Release 19.  
Manual
- GT28-0600  
OS/VS2 PLANNING AND USE GUIDE  
This manual is equivalent to GC28-0600-1 and is for use with OS/VS2 Release 1.  
Manual
- GT28-6396  
IBM SYSTEM/360 OPERATING SYSTEM USA STANDARD COBOL  
COBOL (Common Business Oriented Language) is a programming language, similar to English, that is used for commercial data processing. It was developed by the Conference on Data Systems Languages (CODASYL). The U. S. A. standard of the language is USA Standard COBOL X3.23-1968, as specified by the United States of America Standards Institute.  
IBM System/360 Operating System USASI COBOL incorporates the eight processing modules defined in the USA standard. These modules include: Nucleus, Table Handling, Sequential Access, Random Access, Sort, Report Writer, Segmentation, and Library. A significant number of IBM extensions are implemented as well. The IBM implementation of USA Standard COBOL also complies with the first Draft ISO Recommendation on COBOL.  
This publication gives the programmer the rules for writing programs that are to be compiled by the IBM USASI COBOL compiler under the Operating System. It is meant to be used as a reference manual in the writing of IBM USASI COBOL programs.  
This edition and its appropriate supplements is for use with OS release 19, 20.0, and 20.1.  
Systems Reference Library Manual, 368 pages
- GT28-6514  
IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER  
LANGUAGE PROGRAM NUMBERS 360S-AS-037, 360S-AS-036  
BACK LEVEL  
No abstract available.  
Manual
- GT28-6534  
IBM SYSTEM/360 OPERATING SYSTEM INTRODUCTION (BACK LEVEL)  
This system manual is for a non-current version of OS/360.  
Manual

- GT28-6535  
IBM SYSTEM/360 OPERATING SYSTEM CONCEPTS AND FACILITIES  
MANUAL - BACK LEVEL  
This manual, for a non-current version of OS/360, covers OS concepts and facilities.  
Manual
- GT28-6543  
IBM SYSTEM/360 OPERATING SYSTEM SORT/MERGE  
PROGRAM NUMBER 360S-SM-023 BACK LEVEL  
No abstract available.  
Manual
- GT28-6550  
OS DATA MANAGEMENT FOR SYSTEM PROGRAMMER'S GUIDE PROGRAM  
NUMBER 360S-CI-555 (PRIOR EDITION)  
This publication is a prior edition of publication order number GC28-6550 and is used with OS Release 20.0 and Release 19.  
Manual
- GT28-6551  
OS STORAGE ESTIMATE (PRIOR RELEASE)  
This publication is a prior edition of publication order number GC28-6551 and is used with OS Release 19.  
Manual
- GT28-6554  
OS SYSTEM GENERATION (PRIOR RELEASE)  
This publication is a prior edition of publication order number GC28-6554 and is used with OS Release 19.  
Manual
- GT28-6586  
OS UTILITIES PROGRAM NUMBERS 360S-UT-506, 360S-UT-507  
(PRIOR EDITION)  
This publication is a prior edition of publication order number GC28-6586 and is used with OS Release 19.  
Manual
- GT28-6628  
OS SYSTEM CONTROL BLOCKS (PRIOR EDITION)  
This publication is a prior edition of publication order number GC28-6628 and is used with OS Release 19.  
Manual
- GT28-6631  
OS MESSAGES AND CODES (PRIOR EDITION)  
This publication is a prior edition of publication order number GC28-6631 and is used with OS Release 19.  
Manual
- GT28-6644  
IBM SYSTEM/360 OPERATING SYSTEM MASTER INDEX  
This manual is the prior edition of GC28-6644 at the 05 suffix level. It supports OS Release 19.  
Systems Reference Library Manual, 352 pages
- GT28-6646  
OS SUPERVISOR SERVICES AND MACRO INSTRUCTIONS  
(PRIOR EDITION)  
This publication is a prior edition of publication order number GC28-6646 and is used with OS Release 19.  
Manual
- GT28-6647  
IBM SYSTEM/360 OPERATING SYSTEM SUPERVISOR  
AND DATA MANAGEMENT MACRO INSTRUCTIONS  
No abstract available.  
Manual
- GT28-6650  
IBM SYSTEM/360 OPERATING SYSTEM ONLINE TEST EXECUTIVE  
PROGRAM - PROGRAM NUMBER 360S-DN-533 BACK LEVEL  
This publication provides customer engineers, other qualified personnel, and operators with the information required to use the Online Test Executive Program (OLTEP).  
OLTEP is an optional component of the System/360 Operating System that can be selected at system generation for MFT, and MVT control programs. (All statements concerning MVT apply also to Model 65 Multiprocessing.)  
OLTEP is designed to run online test programs, under the System/360 Operating System, for the testing I/O equipment.  
Prerequisite information is contained in IBM System/360 Operating System: Concepts and Facilities, GC28-6535.  
Customer engineers should refer to IBM System/360 OLTs Customer Engineering Memorandum, Service Aid #2 for ordering procedures for online tests and their documentation.  
Manual
- GT28-6670  
OS PROGRAMMER'S GUIDE TO DEBUGGING (PRIOR EDITION)  
This publication is a prior edition of publication order number GC28-6670 and is used with OS Release 19.
- Manual
- GT28-6680  
OS TAPE LABELS (PRIOR EDITION)  
This publication is a prior edition of publication order number GC28-6680 and is used with OS Release 19.  
Manual
- GT28-6691  
OS SYSTEM/360 OPERATING SYSTEM OPERATOR'S REFERENCE MANUAL  
(PRIOR EDITION)  
This publication is a prior edition of publication order number GC28-6691 and is used with OS Release 19.  
Manual
- GT28-6698  
OS TSO GUIDE (PRIOR EDITION)  
This publication is a prior edition of publication order number GC28-6698 and is used with OS Release 20.1.  
Manual
- GT28-6703  
IBM SYSTEM/360 OPERATING SYSTEM JOB CONTROL LANGUAGE  
No abstract available.  
Manual
- GT28-6704  
OS JOB CONTROL LANGUAGE REFERENCE MANUAL (PRIOR EDITION)  
PROG. NOS. 360S-CI-505, -535, -555  
This publication is a prior edition of publication order number GC28-6704 and is used with OS Release 20.0 and Release 19.  
Manual
- GT28-6712  
OS/360 SYSTEM MANAGEMENT FACILITIES  
This manual is equivalent to GC28-6712-6 and is for use with OS Release 21.0.  
Manual
- GT28-6719  
OS SERVICE AIDS (PRIOR EDITION)  
This publication is a prior edition of publication order number GC28-6719 and is used with OS Release 19.  
Manual
- GT28-6730  
OS RELEASE GUIDE (PRIOR EDITION)  
This publication is a prior edition of publication order number GC28-6730 and is used with OS Release 20.0.  
Manual
- GT28-6747  
OS/360 RELIABILITY DATA EXTRACTOR USER'S GUIDE  
This manual is equivalent to GC28-6747-2 and is for use with OS Release 21.0.  
Manual
- GT28-6762  
OS/MVT AND OS/VS2 TSO TERMINALS MANUAL  
This manual is equivalent to GC28-6762-0 and is for use with OS Release 20.1 and 21.  
Manual, 60 pages
- GT28-6768  
OS TIME SHARING OPTION DATA UTILITIES: COPY FORMAT LIST  
MERGE PROGRAM PRODUCT SPECIFICATIONS - PROG. NO. 5734-UT1  
This flyer is equivalent to GC28-6768-01 and is for use with the OS TSO Data Utilities program product prior to the availability of OS/VS2 Release 1.  
Flyer, 1 page
- GT28-6825  
IBM SYSTEM/360 OPERATING SYSTEM, DISK OPERATING SYSTEM  
INTERACTIVE TERMINAL FACILITY: PLI AND BASIC  
GENERAL INFORMATION - PROGRAM NUMBERS 5736-RC1, 5736-RC2  
This is a non-current version of GC28-6825-01.  
Manual
- GT30-2004  
OS/360 BTAM  
This manual is equivalent to GC30-2004-6 and is for use with OS Release 21.0.  
Manual
- GT30-2005  
IBM SYSTEM/360 OPERATING SYSTEM QUEUED TELECOMMUNICATIONS  
ACCESS METHOD MESSAGE CONTROL PROGRAM - SYSTEMS REFERENCE  
LIBRARY - PROGRAM NUMBER 360S-CQ-519  
This manual is the prior edition of GC30-2005 at the 01 suffix level. It is for use with OS Release 19.  
Manual, 227 pages

- GT30-2024  
IBM SYSTEM/360 OPERATING SYSTEM TELECOMMUNICATIONS ACCESS METHOD PROGRAMMER'S GUIDE AND REFERENCE MANUAL  
PROGRAM NUMBER 360S-CQ-548  
 This manual is the prior edition of GC30-2024 at the 00 suffix level. It is for use with OS Release 20.  
 Manual, 76 pages
- GT60-0305  
SYSTEM/360 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-15X  
 The Attached Support Processor (ASP) system is an operating system that provides a compatible extension to Operating System/360 (OS/360). Designed primarily for the commercial and scientific customer with a computer job shop environment, ASP provides for increased automation of the computing operation. The ASP system operates as a programmed operator of OS/360, providing an operational interface for controlling the system job stream, thus optimizing the use of the computer's resources.  
 This manual is intended primarily for the use of the system programmer at an installation. It contains a detailed description of each of the programs that constitute the ASP system and flowcharts of the programs (Appendix A).  
 Application Program Manual, 336 pages
- GT66-3700  
IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER F PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-AS-037  
 No abstract available.  
 Manual
- GT67-7184  
IBM SYSTEM/360 OPERATING SYSTEM MACHINE CHECK HANDLER FOR IBM SYSTEM/360 MODEL 85  
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-DN-539  
 No abstract available.  
 Manual
- GT68-6604  
OS SEQUENTIAL ACCESS METHOD - PLM (PRIOR EDITION)  
 This publication is a prior edition of publication order number GY28-6604 and is used with OS Release 20.0 and Release 19.  
 Manual
- GT68-6607  
DIRECT ACCESS DEVICE SPACE MANAGEMENT PLM  
OS/MFT & OS/MVT RELEASE 19,20.0  
 This manual is equivalent to GY28-6607-6, TNL GN26-8012-0.  
 Manual
- GT68-6609  
S/360 INPUT/OUTPUT SUPPORT OPEN/CLOSE/EOV PLM  
OS/MFT OS/MVT RELEASE 19  
 This manual is equivalent to GY28-6609-4.  
 Manual
- GT68-6614  
OS UTILITIES - PLM (PRIOR EDITION)  
 This publication is a prior edition of publication order number GY28-6614 and is used with OS Release 19.  
 Manual
- GT68-6616  
INPUT/OUTPUT SUPERVISOR PLM  
OS/MFT & OS/MVT RELEASE 19,20.0  
 This manual is equivalent to GY28-6616-7, TNL GN26-8013-0.  
 Manual
- GT68-6617  
OS BASIC DIRECT ACCESS METHOD - PLM (PRIOR EDITION)  
 This publication is a prior edition of publication order number GY28-6617 and is used with OS Release 20.0 and Release 19.  
 Manual
- GT68-6618  
INDEXED SEQUENTIAL ACCESS METHODS PLM  
OS/MFT & OS/MVT RELEASE 19,20.0  
 This manual is equivalent to GY28-6618-3, TNL GN26-8001-0.  
 Manual
- GT68-6651  
STORAGE ESTIMATES PLM  
OS/MFT & OS/MVT RELEASE 19  
 This manual is equivalent to GY28-6615-11, TNL GN28-2438-0.  
 Manual
- GT68-6661  
OS INITIAL PROGRAM LOAD AND NUCLEUS INITIALIZATION PROGRAM LOGIC (PRIOR EDITION) PROG. NO. 360S-CI-535  
 This publication is a prior edition of publication order number GY28-6661 and is used with OS Release 19.
- Manual
- GT68-6667  
OS LINKAGE EDITOR (F) - PLM (PRIOR EDITION)  
 This publication is a prior edition of publication order number GY28-6667 and is used with OS Release 19.  
 Manual
- GT68-6714  
LOADER PLM  
OS/MFT & OS/MVT RELEASE 19  
 This manual is equivalent to GY28-6714-0, TNL GY28-2401-0 and GY28-6405-0.  
 Manual
- GT68-6717  
OS/360 MASTER INDEX PROGRAM LOGIC MANUAL  
 This manual is equivalent to GY28-6717-2 and is for use with OS Release 19.  
 Manual, 450 pages
- GT68-6831  
FORTRAN IV SYNTAX CHECKER PLM  
OS/MFT & OS/MVT RELEASE 19, 20.0  
 This manual is equivalent to GY28-6831-0.  
 Manual
- GX09-1000  
IBM 129-3270 OPERATOR'S REFERENCE SUMMARY  
 This Operator's Reference Summary is a handy compendium of the most frequently needed information for operating the 129-3270 attachment. This summary is for the use of 129-3270 operators; also IBM FE and Marketing personnel.  
 Fanfold Card 3-2/3 x 8-1/2 inches
- GX10-0037  
IBM WTC 3600 FINANCE COMMUNICATION SYSTEM  
PHYSICAL PLANNING TEMPLATE  
 The physical planning template is provided to assist customer personnel in showing components of the IBM 3600 Finance Communication System on floor plans.  
 Acetate Sheet, 1 page
- GX20-1702  
PROPORTIONAL RECORD LAYOUT FORM  
 The front side of this form consists of the Proportional Record Layout Form. It is suitable for card, tape, and disk records. Positional markings are 00-99 and 01-100 in decimal notation, and 00-63 and 01-64 in hexadecimal notation. The back side of the form is the record format form. This form permits record layouts to be prepared without the space limitations of positional markings. Space is also provided for reference data. These are general-purpose forms and may be used for all systems.  
 Padded Form, 25 Sheets, 11 by 16 1/2
- GX20-1703  
IBM SYSTEM/360 REFERENCE DATA CARD  
 This reference card, intended primarily for use by Assembly Language programmers, contains basic System/360 machine information extracted from the System/360 Principles of Operation SRL Manual (GA22-6821). It also contains other frequently used Assembler information, a multi-code translation table, and command codes for various I/O devices.  
 Reference card, green, accordion fold, 3-5/8 x 8-1/2 inches
- GX20-1705  
IBM 2311 DISK CELL DRIVE REFERENCE CARD  
 A capacity and transmission time reference card arranged in a tabular format. Formulas and examples of how to use the card are included.  
 Reference Card, 3 folds
- GX20-1710  
IBM 2314 DIRECT ACCESS STORAGE FACILITY CAPACITY AND TRANSMISSION TIME REFERENCE CARD  
 This reference card provides a convenient reference and several informative examples for planning and programming purposes. Tables include timing and capacity with and without keys.  
 Reference Card, 3 folds
- GX20-1711  
IBM SYSTEM/360 RECORD LAYOUT WORKSHEET  
 Padded forms showing double word, word, halfword and byte boundaries. Bytes marked to accommodate packed-decimal digits. Provides for two records of 256 positions each, both in hexadecimal and decimal numbering.  
 Padded form, 11 x 6-1/2 inches, 50 sheets per pad
- GX20-1736  
OPTIMUM BOND BIDDING WORKSHEET  
PROGRAM NUMBER 360A-FI-06X  
 This form facilitates preparation of the input data for



the Optimum Bond Bidding Program (360A-FI-06X).  
Form, 2 Sides, 8-1/2 x 11, Padded 25 to Set

GX20-1739

OPERATING SYSTEM/360 REFERENCE CARD:  
LINKAGE EDITOR AND LOADER

This pocket reference card contains condensed information on linkage editor control statements and job control language for linkage editor and loader, extracted from SRL manual, IBM System/360 Operating System Linkage Editor and Loader (GC28-6538).  
Pocket Reference Card, 8 panels, fanfold

GX20-1741

IBM 1287 OPTICAL READER DOCUMENT TRACING GUIDE  
This card is a forms-design guide for assisting the 1287 user in the physical layout of input documents.  
Card, 6 1/4 x 9 1/4

GX20-1749

IBM SYSTEM/360 DOS/TOS REFERENCE CARD PL/I  
Reference information based on data contained in the IBM System/360 PL/I Subset Reference Manual.  
Fanfold, 3-1/2" x 7-1/2"

GX20-1751

IBM 2260 DISPLAY FORMAT  
This coding sheet is used in designing displays for the 2260. The form provides space for a display to be transmitted from System/360 to a 2260, and expected operator response.  
Padded Form, 25 sheets, 8 1/2" x 11"

GX20-1759

IBM 1287 OPTICAL READER DESIGN FORMATS  
This sheet contains formats for laying out forms to be read by the 1287. The form includes standard mark-read column designs, hand-print blocks from two to seven digits, and optical reference marks.  
Padded Form, 25 sheets, 8 1/2" x 11"

GX20-1761

MATHEMATICAL PROGRAMMING INPUT FORM  
SYSTEM/360 - 1130  
This is a Mathematical Programming Input Form 25 sheets to a pad, 8 1/2 x 11, 3 hole punch.  
Padded Form, 25 sheets, 8 1/2" x 11"

GX20-1771

IBM SYSTEM/360 REFERENCE DATA DOS JOB CONTROL LANGUAGE  
OPERATOR COMMUNICATION REFERENCE CARD  
A reference card for DOS job control language operator communication.  
Reference Card, 14 pages

GX20-1780

COURSEWRITER III SYSTEM STUDENT/MONITOR REFERENCE CARD  
PROGRAM NUMBERS 5734-E12, 360A-UX-01X  
This card is a ready reference tool when working on a 1050 Terminal.  
IND0007

GX20-1781

IBM AUTHOR'S COURSEWRITER III REFERENCE CARD  
PROGRAM NUMBERS 360A-UX-01X, 5734-E12  
Used in conjunction with Coursewriter III System/360 Version 2.  
Reference Card

GX20-1782

IBM SUPERVISOR'S COURSEWRITER III REFERENCE CARD  
PROGRAM NUMBERS 5734-E12, 360A-UX-01X  
Used in conjunction with Coursewriter III System/360 Version 2.  
Reference Card

GX20-1787

DEBUGGING AID  
DIRECT EVALUATION OF FLOATING POINT NUMBERS IN HEXADECIMAL  
The following tables can be used to evaluate a floating point number represented in hexadecimal form. The technique uses a table lookup in the hexadecimal integer table, and a table lookup in the hexadecimal fraction table. The user unites the integer from the first table with the fraction from the second table, to form one number, and then performs a calculation to obtain the value of the floating point number.  
Pocket-size Booklet

GX20-1788

CHARGE DESCRIPTION MASTER WORKSHEET  
PROGRAM NUMBERS 5736-H13, 360A-UH-11X  
A hospital worksheet with spaces for keypunching service code with self-check digit, insurance bill category code, price numbers, professional fee, blood replacement charge,

charge description, general ledger key, card code and hospital name.  
Form, 8-1/2" x 11", 1 part

GX20-1789

DOCTOR MASTER FILE - WORKSHEET  
PROGRAM NUMBERS 360A-UH-11X, 5736-H13  
A hospital worksheet with spaces for doctor number with self-check digit, doctor specialty, name and address, accounting period card code and hospital name. The form is designed for 80 column keypunch input.  
Form, 8-1/2" x 11", 1 part

GX20-1790

ROOM AND BED MASTER  
PROG. NOS. 5736-H13, 360A-UH-11X  
A hospital worksheet with spaces for room and bed numbers, patient type, room rates, service code with self-check digit, general ledger key, nursing station ID, overflow bed indicator, unspecified information, card code and hospital name. The form is designed for 80-column keypunch input.  
Form, 8-1/2" x 11", 1 part

GX20-1807

SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET  
PROGRAM NUMBER 5736-H12  
Form for input to SLIS with space for codes including location, test, method, sequence number, result flag and code, worksheet and heading flags, diet hold, spec, test name station and code, print sort, heading print, comment type, call, lab, comb, chg, user area, action, and test name abbreviation.  
Form, 8-1/2" x 11", 1 part

GX20-1808

SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET  
PROGRAM NUMBER 5736-H12  
Form for input to SLS including coding categories of card location, test, method, sequence, test weight, operating method, combination test and constituent tests.  
Form, 8-1/2" x 11", 1 part

GX20-1809

SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET  
PROGRAM NUMBER 5736-H12  
Form for input to SLIS in categories including location test and method codes, sequence number, results, headings, shift, decimal, substitutions, delta checks, ranges, batches, statistics and result.  
Form, 8-1/2" x 11", 1 part

GX20-1810

CALL-OS PL/I REFERENCE CARD - PROG. NO. 360A-CX-45X  
This pocket-size reference card summarizes in convenient form the PL/I language facilities of the CALL/360-OS program.  
Accordion-fold, reference card, 14 panels, 8 1/2 x 3 1/2

GX20-1811

CALL/360-OS BASIC REFERENCE CARD - PROG. NO. 360A-CX-44X  
This pocket-size reference card summarizes in convenient form the BASIC language facilities of the CALL/360-OS program.  
Accordion-fold Reference Card, 8-1/2 x 3-1/2, 12 panels

GX20-1812

CALL/360-OS FORTRAN REFERENCE CARD - PROG. NO. 360A-CX-46X  
This pocket-size reference card summarizes in convenient form the FORTRAN language facilities of the CALL/360-OS program.  
Accordion-fold, reference card, 14 panels, 8 1/2 x 3 1/2

GX20-1817

SYSTEM/360/370 DOS POWER II/RJE VERSION 4 REFERENCE SUMMARY, PROG. NO. 360D-05.2.006  
This reference card is intended to summarize the command codes and operator messages for IBM System/360 DOS POWER II.  
Folder, 4 pages

GX20-1827

SYSTEM/360/370 ASP REFERENCE CARD,  
PROGRAM NUMBER 360A-CX-15X  
This card contains excerpts from GH20-0321 and reflects the status of ASP as of Version 2.4.1.  
Application Program Manual

GX20-1828

GENERAL PURPOSE SIMULATION SYSTEM V REFERENCE SUMMARY: BLOCK STATEMENT FORMATS, PROG. NOS. 5734-XS2(OS) AND 5736-XS3(DOS)  
This reference card defines the block statement formats of GPSS V.  
Program Product Reference Card

GX20-1829

GENERAL PURPOSE SIMULATION SYSTEM V REFERENCE SUMMARY: CONTROL STATEMENT FORMATS, STANDARD NUMERICAL ATTRIBUTES, AND SYSTEM OPTIONS - PROG. NOS. 5734-XS2(OS) AND 5736-XS3(DOS)  
This reference card contains information to readily assist the GPSS V user. Charts showing control standard format, standard numerical attributes and system options are included.  
Reference Card

GX20-1830

CALL-OS TERMINAL COMMAND LANGUAGE - REFERENCE CARD  
PROGRAM NUMBER 360A-CX-42X  
This card is intended to summarize essential details of the CALL-OS Terminal Command Language. It is based on information appearing in the CALL-OS Terminal Operations Manual Order No. GH20-0787.  
the CALL-OS terminal command language: typing commands, program entry, program execution, correction procedures, etc.  
Fanfold, 4 panels, pocket size

GX20-1832

COURSEWRITER III VERSION 3 MONITOR REFERENCE CARD  
PROGRAM NUMBERS 5736-E11 (DOS) 5734-E13 (OS)  
This reference card contains information to readily assist the user of coursewriter III Version 3. Monitor command notes and a keyboard summary chart are included.  
Information is extracted from the student/Monitor User's Guide, SH20-1010.  
Reference Card

GX20-1833

COURSEWRITER III VERSION 3 AUTHOR'S REFERENCE CARD  
PROGRAM NUMBERS 5736-E11 (DOS) 5734-E13 (OS)  
This reference card contains information to readily assist to user of Coursewriter III Version 3. Notes, author commands, and keyboard summary chart are included. The information is extracted from Coursewriter III Version 3 Author's Guide, SH20-1009.  
Reference Card

GX20-1834

COURSEWRITER III, VERSION 3 STUDENT REFERENCE CARD  
OPERATING HINTS - PROGRAM NUMBER 5736-E11 (DOS)  
5734-E13 (OS)  
This reference card contains information to readily assist the user of Coursewriter III Version 3. Operating hints, student commands and keyboard summary is included.  
Information is extracted from the Student Monitor User's Guide, SH20-1010.  
Reference Card

GX20-1835

COURSEWRITER III, VERSION 3 SUPERVISOR'S REFERENCE CARD  
PROGRAM NUMBERS 5736-E11 (DOS) 5734-E13 (OS)  
This reference card contains information to readily assist the user of Coursewriter III, Version 3. Notes, commands and arguments are listed. This information is extracted from the Supervisor's Guide, SH20-1011.  
Reference Card

GX20-1850

SYSTEM/370 REFERENCE SUMMARY CARD  
This reference card is intended primarily for use by S/370 assembly language programmers. It contains basic machine information summarized from the System/370 Principles of Operation (GA22-7000), frequently used information from OS/VS and DOS/VS Assembler Language (GC33-4010), command codes for various I/O devices, and a multi-code translation table.  
Reference card, accordion-folded

GX20-1878

IBM 3270 INFORMATION DISPLAY SYSTEM REFERENCE SUMMARY  
This publication is intended for planning purposes only. It will be updated to reflect system changes. The reader is cautioned that the authoritative source for this booklet is the IBM 3270 Information Display System Component Description Manual (GA27-2749).  
Reference summary, 48 pages

GX20-1879

INTERACTIVE TRAINING SYSTEM TEST QUESTION WORKSHEET FORM 6  
PAD - PROGRAM NUMBER 5734-XXC  
Text questions worksheet (form 6) for use with the cross industry program product 5734-XXC.  
Padded form, 11 x 16-1/2 inches, 50 sheets per pad

GX20-1880

INTERACTIVE TRAINING SYSTEM TEXT WORKSHEET FORM 5  
PAD - PROGRAM NUMBER 5734-XXC  
Text worksheet (form 5) for use with Prog. Prod. 5734-XXC.  
Padded form, 11 x 16-1/2 inches, 50 sheets per pad

GX20-1881

INTERACTIVE TRAINING SYSTEM MATCHING QUESTION WORKSHEET  
FORM 4 - PAD - PROGRAM NUMBER 5734-XXC  
Matching question worksheet (form 4) for use with Prog. Prod. 5734-XXC.  
Padded form, 11 x 16-1/2 inches, 50 sheets per pad

GX20-1882

INTERACTIVE TRAINING SYSTEM MULTIPLE ANSWER FORM 3 - PAD  
Multiple - Answer worksheet (Form 3) for use with Prog. Prod. 5734-XXC.  
Padded form, 11 x 16-1/2 inches, 50 sheets per pad

GX20-1883

INTERACTIVE TRAINING SYSTEM TRUE - FALSE WORKSHEET FORM 2  
PAD - PROGRAM NUMBER 5734-XXC  
True-False worksheet (form 2) for use with Prog. Prod. 5734-XXC.  
Padded Form, 11 x 16-1/2 inches, 50 sheets per pad

GX20-1884

INTERACTIVE TRAINING SYSTEM QUESTION WORKSHEET FORM 1 - PAD  
PROGRAM NUMBER 5734-XXC  
Question worksheet (form 1) for use with Prog. Prod. 5734-XXC.  
Padded form, 11 x 16-1/2 inches, 50 sheets per pad

GX20-1885

INTERACTIVE TRAINING SYSTEM SESSION INTRODUCTION WORKSHEET  
No abstract available.  
Padded Form

GX20-1920

3330 SERIES DISK STORAGE, 3333 MODELS 1 AND 1L, 3330 MODELS 1, 2, AND 1L REFERENCE SUMMARY  
This reference summary summarizes device characteristics and provides a capacity table for records with and without keys.  
Summary, 2 folds

GX20-1925

3270 FORMAT MACRO FOR OUTPUT DATA STREAMS  
FDP NUMBER 5798-AKL  
This pocket folder allows a format macro assembler language programmer to easily generate a complete output data stream for a 3270 from a screen layout form.  
Reference Card, 8 pages

GX20-1927

ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM: OPERATORS REFERENCE BOOKLET - PROG. NO. 360A-CX-15X  
PROGRAM NUMBER 360A-CX-15X  
This publication is a pocket-size reference summary of all commands and dynamic support programs (DSP) names, descriptions and commands.  
Handbook, 14 pages

GX20-1942

INTERACTIVE TRAINING SYSTEM FRAMEWORK - WORKSHEET  
This worksheet is used in conjunction with the Expanded Course Structuring Feature to create course material for the Interactive Training System.  
Flyer

GX20-1943

INTERACTIVE TRAINING SYSTEM COMMON MESSAGE TO GO TO WORKSHEET  
This worksheet is used in conjunction with the Expanded Course Structuring Feature to create course material for the Interactive Training System.  
Flyer

GX20-1944

INTERACTIVE TRAINING SYSTEM GLOSSARY DEFINITION WORKSHEET  
This worksheet is used in conjunction with the Expanded Course Structuring Feature to create course material for the Interactive Training System.  
Flyer

GX20-1945

INTERACTIVE TRAINING SYSTEM TEXT DISPLAY WORKSHEET  
This worksheet is used in conjunction with the Expanded Course Structuring Feature to create course material for the Interactive Training System.  
Flyer

GX20-1946

INTERACTIVE TRAINING SYSTEM QUESTION WORKSHEET  
This worksheet is used in conjunction with the Expanded Course Structuring Feature to create course material for the Interactive Training System.  
Flyer

- GX20-1947  
INTERACTIVE TRAINING SYSTEM MATCHING QUESTION WORKSHEET  
This worksheet is used in conjunction with the Expanded Course Structuring Feature to create course material for the Interactive Training System.  
Flyer
- GX20-1948  
INTERACTIVE TRAINING SYSTEM TRUE-FALSE QUESTION WORKSHEET  
This worksheet is used in conjunction with the Expanded Course Structuring Feature to create course material for the Interactive Training System.  
Flyer
- GX20-1949  
INTERACTIVE TRAINING SYSTEM FIELD ANALYSIS WORKSHEET  
This worksheet is used in conjunction with the Expanded Course Structuring Feature to create course material for the Interactive Training System.  
Flyer
- GX20-1950  
INTERACTIVE TRAINING SYSTEM SCREEN SUMMARY WORKSHEET  
This worksheet is used in conjunction with the Expanded Course Structuring Feature to create course material for the Interactive Training System.  
Flyer
- GX20-1959  
DATA EDITING AND FORMATTING AIDS FDP 5798-AKS REFERENCE FOLDER  
This brochure contains information about the data editing and formatting aids Field Developed Program. Its facilities and objectives are highlighted in an abbreviated manner as are commentary and statement numbers.  
Brochure
- GX20-8020  
FLOWCHARTING TEMPLATE  
This plastic template provides cut-out shapes for drawing standard symbols used frequently in flowcharting computer systems and programs. It is enclosed in an envelope outlining definitions of symbols and use of the template. More details are given in the Data Processing Techniques manual on FLOWCHARTING TECHNIQUES (GC20-8152).  
Template, 1 unit size
- GX21-9011  
IBM 1062 PROGRAM TAPE LAYOUT SHEET  
Sheet used to code 1062 Program Tape.  
Padded Form, 8 1/2 x 11, one side, 50 sheets
- GX21-9017  
IBM 1062 TERMINAL RECORD TAPE, DOCUMENT FEED, PRINTER PLANNING CHART  
Form used for planning terminal record tape, document feed and printer output.  
Padded Form
- GX21-9030  
IBM PHYSICAL PLANNING TEMPLATE, 1030 DATA COLLECTION SYSTEM  
This template gives a scaled representation of the physical planning specifications of the IBM 1030 Data Collection System.  
Template, 8 1/2 x 11, 1 page
- GX21-9090  
RPG OUTPUT-FORMAT SPECIFICATIONS (FORM)  
This is a form for coding RPG output-format specifications for the IBM System/3, System/360, and 1130. It is printed in reproducible green ink.  
Padded Form, 50 sheets
- GX21-9091  
RPG EXTENSIONS AND LINE COUNTER SPECIFICATIONS SHEET  
This form is provided as an aid to the programmer writing an RPG program for the IBM System/3, System/360, and 1130. It is printed in reproducible green ink.  
Padded Form, 50 sheets
- GX21-9092  
RPG CONTROL CARD AND FILE DESCRIPTION SPECIFICATIONS FORM  
This form is provided as an aid to the programmer writing an RPG program for the IBM System/3, System/360, and 1130. It is printed in reproducible green ink.  
Padded form, 25 sheets
- GX21-9093  
RPG CALCULATION SPECIFICATIONS SHEET  
This is a form for coding RPG calculation specifications for the IBM System/3, System/360, and 1130. It is printed in reproducible green ink.  
Padded Form, 50 sheets
- GX21-9094  
RPG INPUT SPECIFICATIONS FORM  
This form is provided as an aid to the programmer writing an RPG program for the IBM System/3. It is printed in reproducible green ink.  
Padded Form, 50 sheets
- GX21-9106  
IBM 1288 DOCUMENT GAUGE FOR MACHINE SETUP  
An illustrated and descriptive document - alignment and machine-setup instruction folder.  
Reference Card, 2 pages
- GX21-9129  
RPG DEBUGGING TEMPLATE  
This template is a quick tool for programmers debugging RPG.  
Template
- GX21-9155  
IBM 3740 DATA ENTRY SYSTEM PHYSICAL PLANNING TEMPLATE  
This template is for those people responsible for the physical planning layout of a 3740 Data Entry System installation.  
Template
- GX21-9171  
IBM 3747 DATA CONVERTER REFERENCE CARD  
This reference card is provided as an aid to the operation when an error occurs on the 3747 Data Converter. It contains the message codes for the messages which will occur most often.  
Card, 4 pages
- GX21-9172  
IBM 3741/3742 REFERENCE CARD  
This reference card is provided as an aid to the operator using the 3741 Data Station or 3742 Dual Data Station. It contains error codes, program codes, required data set label fields, and status line.  
Card, 4 pages
- GX21-9185  
IBM 3747 DATA CONVERTER RUN SHEET  
The IBM 3747 Data Converter Run Sheet is used to provide the operator with the necessary information for running a job on the 3747 data converter. It contains a description of the job (disk to tape, etc.), disk ID numbers, and job statistics.  
Padded form, 50 per pad
- GX21-9186  
IBM 3740 JOB INSTRUCTIONS FORM  
The IBM 3740 Job Instructions sheet is a two-sided form which is used to provide the operator with the necessary information for running a job on the 3740 System. The front side is used for explaining how to run the job, disposition of documents, what fields are included. The reverse side lists the program codes for the 3740 System and explains their function.  
Padded form, 1 page, printed on both sides
- GX21-9187  
IBM 3740 SYSTEM PRINT CHART  
The IBM 3740 System Print Chart is used by the operator for specifying how printing is to be performed on the 3740 System.  
Padded form, 1 page
- GX21-9204  
IBM 3741 PROGRAMMABLE WORK STATION MODELS 3-4 REFERENCE CARD  
The reference card is intended to provide a quick look up of correct coding in an ACL (Application Control Language) program. The control statements in ACL are described on the card. The card is intended for ACL programmers.  
Reference Card, 1 page, both sides, 7 x 9 inches
- GX22-6834  
PUNCHED CARD AND TAPE I/O AND PRINTERS, FOR SYSTEM/360 AND SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE  
Equipment templates on 8-1/2 by 11 inch acetate sheets, four pages, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes one 1017, one 1018, three 1403-2,3,7's, three 1403-N1's, one 1404-2, one 1442-N1,N2, one 1442 abutted to one 1443, one 1443-N1 or 1445-N1, one 2501-B1,B2, one 2520-B1,B2,B3, three 2540-1's, one 2560-A1, one 2671, two 2821-1,2,4,6's, two 2821-3,5's, one 2822, one 2826-1, two 3211's, two 3505-B1,B2's, two 3525-P1,P2,P3's, and two 3811's.  
8-1/2 x 11 inch acetate templates, 4 pages
- GX22-6835  
PHYSICAL PLANNING TEMPLATE IBM SYSTEM/360 HYPERTAPE  
Equipment templates on acetate sheets, 1/4 inch equals 1 foot scale, for planning machine room layouts.  
Template, 8 1/2 x 11 inch, 1 page

GX22-6837

2401 - 2404 AND 2415 MAGNETIC TAPE UNITS  
This pocket-size reference folder is to assist in estimating tape processing times and block (record) capacity per full reel.  
Reference Card, 7-1/4 x 14, 3 folds

GX22-6855

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 MAGNETIC TAPE UNITS AND CONTROLS  
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes all models of following magnetic tape units/controls; 2402, 2403, 2404, 3410, 3411.  
8-1/2" x 11" acetate template, 4 pages

GX22-6856

PHYSICAL PLANNING TEMPLATE: SYSTEM/360 PROCESSOR MODEL 75  
Equipment templates on acetate sheets, 1/4 inch equals 1 foot scale, for planning machine room layouts.  
Template, 8 1/2 x 11 inch

GX22-6857

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 COMMUNICATIONS EQUIPMENT  
Equipment templates on 8-1/2 by 11 inch acetate sheets, two pages, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes four 2701's, two 2702's, one 2703, one 2711, one 2715-1,2, two 7770-3's, and one 7772-3.  
8-1/2 x 11 inch acetate templates, 2 pages

GX22-6858

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 DATA STORAGE DEVICES  
Equipment templates on 8-1/2 x 11 inch acetate sheets, six pages, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes four 2301-1's, two 2302-3,4's, four 2303-1's, two 2305-1,2's (shown on two facilities), eight 2311-1's, one 2312-A1, two 2313-A1's, one 2314-A1, one 2314-B1, one 2314-1, two 2319-A1's, two 2319-A2's, one 2319-B1, two 2319-B2's, four 2321-1's (with two shown abutted), one 2820-1, two 2835-1,2's, four 2841-1's, two 2844's, six 3330's (two on one facility and four on another), and two 3830's.  
8-1/2 x 11 inch acetate templates, six pages

GX22-6859

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 CONSOLES AND TERMINALS  
Equipment templates on 8-1/2 x 11 inch acetate sheets, two pages, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes two 2150's, two 2250-1's, two 2250-3's, two 2260's with keyboards, two 2260's without keyboards, one 2285, two 2840-2's, four 2848's (two of both types), one 3210-1, one 3210-2, and one 3215-1.  
8-1/2 x 11 inch acetate templates, two pages

GX22-6860

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 MAGNETIC AND OPTICAL CHARACTER READERS  
Equipment templates on 8-1/2 x 11 inch acetate sheets, two pages, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes one 1231-N1, one 1255-1,2, one 1255-3, one 1259-2, one 1285-1, one 1287-1,2, one 1287-3,4, one 1288-1, one 1412-1 and accumulator, one 1418-1,2,3 or 1428-1,2,3, and one 1419-1.  
8-1/2 x 11 inch acetate templates, two pages

GX22-6894

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 MODELS 22, 25, 30, AND 40  
Equipment templates on 8-1/2 x 11 inch acetate sheets, two pages, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes two each of: 2022, 2025, 2030, and 2040.  
8-1/2 x 11 inch acetate templates, two pages

GX22-6905

PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 67  
Equipment templates on acetate sheets, 1/4 inch equals 1 foot scale, for planning machine room layouts.  
Template, 8 1/2 x 11 inch, 5 pages

GX22-6914

PHYSICAL PLANNING TEMPLATE SYSTEM/360 PROCESSORS MODELS 44 AND 50  
Equipment templates on acetate sheets, 1/4 inch equals 1 foot scale, for planning machine room layouts.  
Template, 8 1/2 x 11 inch, 2 pages

GX22-6923

PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 85  
Equipment templates on acetate sheets, 1/4 inch equals 1 foot scale, for planning machine room layouts.  
Template, 8 1/2 x 11 inch, 4 pages

GX22-6924

PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 65 MULTISYSTEM  
Equipment templates on acetate sheets, 1/4 inch equals 1 foot scale, for planning machine room layouts.  
Template, 8 1/2 x 11 inch, 4 pages

GX22-6925

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 FIELD ENGINEERING FURNITURE AND TEST EQUIPMENT  
Furniture and test equipment templates on 8-1/2 x 11 inch acetate sheet, for planning FE room layouts. Scale: 1/4 inch equals one foot. Includes one desk, one workbench, one study table, one bookcase, one card file, one microfiche viewer, one tool and test equipment cart, one BSM cart, one FE/DAU, one BSM analyzer, and two shelf cabinets, two parts cabinets, two book carts, and three file cabinets.  
8-1/2 x 11 inch acetate templates, one page

GX22-6981

IBM PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 195  
Equipment templates on 8-1/2 x 11 inch acetate sheets, 5 pages, for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes one composite 3195 Model J and K, one composite 3195 Model KJ and L, one 3060-1, one 3085, one 3086, three 3080s, two 2860s, two 2870s, and four 2880s.  
Acetate Template, 5 pages

GX22-6984

IBM SYSTEM/370 MODEL 165 OPERATORS REFERENCE CARD  
This reference card highlights necessary operating procedures and abbreviated step-by-step instructions for operating the System/370 Model 165. The information is condensed from the IBM System/370 Model 165 Operating Procedures (GA22-6969).  
Reference card

GX22-6985

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 CHANNELS: 2860, 2870, AND 2880  
Equipment templates on two 8-1/2 x 11-inch acetate sheets, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes three 2860's, three 2870's, and four 2880-1,2's.  
Acetate Templates, 8-1/2 x 11 inches, 2 pages

GX22-7005

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 145  
Equipment template on 8-1/2 x 11 inch acetate sheet, 2 pages for planning machine room layout. Scale: 1/4 inch equals 1 foot. Includes 3145 Processing Unit Models GE, GFD, H, HG, I, H2, HG2, I2, IH2 and J2. Also includes 3046 Power Unit Model 1, 3047 Power Unit Model 1, 3210 Console Printer-Keyboard Model 2, and 3345 Storage and Control from Models 1 to 5.  
Template, 2 pages

GX22-7006

IBM PHYSICAL PLANNING TEMPLATE SYSTEM/370 MODEL 155  
Equipment templates on 8-1/2 x 11 inch acetate sheets, 2 pages, for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes one 3155 composite of Models H-J, one 3155 composite of Models JI and K, and one 3210-2. Positioning is also shown for 3210-1 and 3215.  
Acetate Template, 2 pages

GX22-7007

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 165  
Equipment templates on 8-1/2 x 11 inch acetate sheets, three pages, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes one composite 3165 Models I and J with 3360's, one composite 3165 Models JI and K with 3360's, one composite 3165 Model KJ with 3360's, one 3066-1, and one 3067.  
8-1/2 x 11 inch acetate templates, three pages

GX22-7008

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 135  
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page, for planning machine room layouts. Scale: 1/4 inch equals one foot. Includes one 3135 with five attached disk storage drives and one 3046-1.  
Acetate template, 8-1/2 x 11 inches, 1 page

GX22-7018

3270 INFORMATION DISPLAY SYSTEM FOR SYSTEM/360 & SYSTEM/370: PHYSICAL PLANNING TEMPLATE  
Equipment templates on 8-1/2 x 11 inch acetate sheets 1 page, for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes one composite 3271, 3272, 3275, 3277-1 and 3277-2, 3284, 3286.  
Template, 1 page

GX22-7021

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 125  
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layouts. Scale: 1/4 inch equals

1 foot. Includes configurations of 3125 with 5425 and 3203 and 3125 with 3203.  
8-1/2 x 11 inch acetate template

## GX22-7022

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 168 AND MODEL 168 MULTIPROCESSING  
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layout. Scale: 1/4 inch equals 1 foot. Includes 3168 Processing Unit, 3168 Multiprocessing Unit, 3066 System Console Model 2, 3067 Power and Coolant Distribution Unit Model 2 (SN Below 61000), 3067 Power and Coolant Distribution Unit Model 2 (SN 61000 and above), and 3068 Multisystem Communication Unit Model 1.  
Acetate template, 3 pages

## GX22-7023

IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 158  
Equipment template on 8-1/2 x 11 inch acetate sheet, 2 pages for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes 3158 Processing Unit and 3158 Multiprocessing Units.  
Acetate template, 2 pages

## GX22-7029

3340 DISK STORAGE MODELS A2, B1, AND B2, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE  
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes 3340 Disk Storage Modes A2, B1, and B2.  
Template, 1 page

## GX22-7032

PHYSICAL PLANNING TEMPLATE: 3704 COMMUNICATIONS CONTROLLER MODEL 1 FOR SYSTEM/370  
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layout. Scale: 1/4 inch equals 1 foot. Includes 3704 Communications Controller Model 1.  
Acetate template, 1 page

## GX22-7035

3410 MAGNETIC TAPE UNIT MODELS 1 TO 3 AND 3411 MAGNETIC TAPE UNIT AND CONTROL MODELS 1 TO 3 FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE  
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes 3410 Magnetic Tape Unit Models 1, 2, and 3, and 3411 Magnetic Tape Unit and Control Models 1, 2, and 3.  
Acetate template, 1 page

## GX22-7037

2401 MAGNETIC TAPE UNIT MODELS 1 TO 6 AND 8, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE  
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes 2401 Magnetic Tape Unit Models 1 to 6 and 8.  
Acetate template, 1 page

## GX22-7038

2415 MAGNETIC TAPE UNIT AND CONTROL MODELS 1 TO 6, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE  
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes 2415 Magnetic Tape Unit and Control Models 1 to 6.  
Acetate template, 1 page

## GX22-7039

2420 MAGNETIC TAPE UNIT MODELS 5 AND 7, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE  
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes 2420 Magnetic Tape Unit Models 5 and 7.  
Acetate template, 1 page

## GX22-7041

2495 TAPE CARTRIDGE READER MODEL 1, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE  
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes 2495 Tape Cartridge Reader Model 1.  
Acetate template, 1 page

## GX22-7042

2803 TAPE CONTROL MODELS 1 TO 3, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE  
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes 2803 Tape Control Models 1 to 3.  
Acetate template, 1 page

## GX22-7043

2804 TAPE CONTROL MODELS 1 TO 3, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE  
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layouts. Scale: 1/4 inch equals 1

foot. Includes 2804 Tape Control Models 1 to 3.  
Acetate template, 1 page

## GX22-7044

2816 SWITCHING UNIT MODEL 1, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE  
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layouts. Scale: 1/4 inch equals 1 foot. Includes 2816 Switching Unit Model 1.  
Acetate template, 1 page

## GX22-7045

3540 DISKETTE INPUT/OUTPUT UNIT MODELS B1 AND B2 FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE  
Equipment template on 8-1/2 x 11 inch acetate sheet, 1 page for planning machine room layout. Scale: 1/4 inch equals 1 foot. Includes 3540 Models B1 and B2.  
Template, 1 page

## GX24-3092

IBM 1050 DATA COMMUNICATIONS SYSTEM TRANSMISSION - LIMITED MAXIMUM-MESSAGE-RATE GRAPH  
Graph used to plot message rate of system.  
Padded Form, 8 1/2 x 11, 1 side, 25 sheets

## GX24-3124

PLANNING CHART, IBM 1050 DATA COMMUNICATION SYSTEM  
This chart provides space for the planning of problems on the IBM 1050 Data Communication System.  
Padded Form, 17 x 11, 2 sides, 25 sheets

## GX24-3139

IBM 1050 DATA COMMUNICATION SYSTEM, OPERATOR INSTRUCTION SHEET  
This chart provides space for entering data for operating instructions for the IBM 1050 Data Communication System.  
Padded Form, 8 1/2 x 11, 2 sides, 25 sheets

## GX24-3285

IBM 1030 DATA COLLECTION SYSTEM, IBM 1031 PROGRAM CHART  
This chart provides space for entering data on the IBM 1031 Program for the IBM 1030 Data Collection System.  
Padded Form, 11 x 17, 1-1/2 sides, 25 sheets

## GX24-3376

IBM 1052 KEY TABS: SYSTEM/360 MODEL 30, 1400 COMPATIBILITY  
These key-tabs are fastened on the front of the keys on the IBM 1052 when the Model 30 is being operated in 1400 Compatibility Mode.  
Plastic Sheet, 8-1/2 x 5-1/2

## GX24-3381

IBM PHYSICAL PLANNING TEMPLATE, 1050 DATA COMMUNICATIONS SYSTEM  
This template gives a scaled representation of the physical planning specifications for the IBM 1050 Data Communication System.  
Template, 8 1/2 x 11, 1 page

## GX24-3406

IBM SYSTEM/360 MODEL 30 IBM 2702 WORKSHEET  
Multiplexer channel multiplex mode loading evaluation for IBM System/360 Model 30 may indicate an apparent overload for the IBM 2702 Transmission Control Unit (when attached to the multiplexer channel). This worksheet is then used with an alternate procedure for evaluation of the 2702. This worksheet is designed for use with the alternate procedure for the 2702 described in IBM SYSTEM/360 MODEL 30 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION, GA24-3411.  
Padded Form, 16-1/2 x 11, 25 sheets per pad

## GX24-3407

IBM SYSTEM/360 MODEL 30 MULTIPLEXER CHANNEL WORKSHEET  
Worksheet is used to facilitate evaluation of the channel effects imposed upon IBM System/360 Model 30 when the multiplexer channel is operating in multiplex mode. The evaluation procedure is described in IBM SYSTEM/360 MODEL 30 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION, GA24-3411.  
Padded Form, 16-1/2 x 11, 25 sheets per pad

## GX24-3448

IBM 1445 PRINTER SPACING CHART  
This chart is scaled in non-photographic blue and provides 113 printing positions at eight characters per inch for carriage spacing of six lines per inch. Vertical rulings are shown for each inch or every eight characters apart to assist in printing layout. A carriage-control tape facilitates planning for tape punching. Space is available on the top of the form to indicate miscellaneous print line formats.  
Padded Form, 25 Sheets Per Pad

- GX24-3477  
IBM 1400 COMPATIBILITY INITIALIZATION DECK SYSTEM/360 MODEL 30 CODING SHEETS 1 AND 2  
 Coding sheet for 1400 Compatibility Deck for System/360 Model 30 through 65K.  
 Padded Form, 8 1/2 x 11, 2 sides, 25 sheets
- GX24-3541  
MULTIPLEXER CHANNEL WORKSHEET - SYSTEM/360 MODEL 25 CONFIGURATION A AND B  
 Worksheet is used to facilitate evaluation of the channel effects imposed upon IBM System/360 Model 25 when the multiplexer channel is operating in multiplex mode. The evaluation procedure is described in IBM SYSTEM/360 MODEL 25 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION, GA24-3538.  
 Padded Form, 25 sheets per pad, 16 1/2 x 11, two sides
- GX24-5046  
IBM SYSTEM/360 ASSEMBLER CODING FORM, BPS/BOS/TOS/DOS DTFSR ENTRIES, CARD READ-PUNCH  
 Coding form for recording source instructions to be key punched for input to Assembler program.  
 Padded Form, 8 1/2 x 14, 1 side, 25 sheets
- GX24-5047  
IBM SYSTEM/360 ASSEMBLER CODING FORM, BPS/BOS/TOS/DOS DTFSR ENTRIES, PRINTER AND PRINTER-KEYBOARD  
 Coding form for recording source instructions for keypunching into input code for assembler program.  
 Padded Form, 8 1/2 x 14, one side, 25 sheets
- GX24-5048  
IBM SYSTEM/360 ASSEMBLER CODING FORM, BOS/DOS DTFSR ENTRIES, DISK  
 Coding form for recording source instructions for keypunching input to Assembler program.  
 Padded Form, 8 1/2 x 14, 1 side, 25 sheets
- GX24-5055  
IBM SYSTEM/360 ASSEMBLER CODING FORM, TOS/DOS  
 Coding form for recording source instructions to be keypunched for Assembler program.  
 Padded Form, 8 1/2 x 14, 2 sides, 25 sheets
- GX26-1587  
DECIMAL/HEXADECIMAL INTEGER CONVERSION CHART  
 This chart is used to convert decimal numbers to hexadecimal and hexadecimal numbers to decimal.  
 The chart covers the range of integers from 0000 to 4095. Additional instructions are provided to convert decimal and hexadecimal numbers beyond this range.  
 Reference Summary, 8-1/2 x 3-5/8" folded, 7 folds, 2 sides
- GX26-1588  
DECIMAL/HEXADECIMAL FRACTION CONVERSION CHART  
 This chart is used to convert decimal fractions to hexadecimal and hexadecimal fractions to decimal.  
 The chart covers the range of fractions from 0.00000000 to 0.00075586. Additional instructions are provided to convert decimal and hexadecimal fractions beyond this range.  
 Reference Summary, 8-1/2 x 3-5/8" folded, 7 folds, 2 sides
- GX26-1618  
IBM 2730 TRANSACTION VALIDATION TERMINAL - REFERENCE CARD  
 Inexperienced operators and maintenance personnel will find easy reference to installation, operation and problem determination material for the 2730 Transaction Validation Terminal. Functional checks are also included. Experienced operators will find the summary an easy reference source under operating conditions. Packaging and shipping information is included.  
 Operators and maintenance personnel should be familiar with the Credit Card System Component Description: IBM 2730 Model 1 Transaction Validation Terminal, IBM 2968 Model 9 Receiver Terminal Control Unit, Order No. GA26-1599.  
 Reference Card, 8 pages
- GX26-5508  
IBM PHYSICAL PLANNING TEMPLATE SYSTEM/360 PROCESS I/O DEVICES  
 This template gives a scaled representation of the physical planning specifications for the IBM System/360 process I/O Devices.  
 Template, 8 1/2 x 11, 2 pages
- GX27-2900  
IBM PHYSICAL PLANNING TEMPLATE: COMMUNICATIONS TERMINALS  
 This template gives a scaled representation of the physical planning specifications for the IBM Communications Terminals.  
 Template, 8 1/2 x 11, 1 page
- GX27-2901  
IMAGE PLANNING CHART - 2760 OPTICAL IMAGE UNIT, REGISTRATION PUNCHING ACME  
 No abstract available.  
 Padded Form, 25 per pad
- GX27-2902  
IMAGE PLANNING CHART - 2760 OPTICAL IMAGE UNIT REGISTRATION PUNCHING OXBERRY  
 No abstract available.  
 Padded Form, 25 per pad
- GX27-2903  
2760 LAYOUT GUIDE (REGISTRATION PUNCHING-ACME)  
 This is a transparent layout guide for 2760 - Acme.  
 Plastic Sheet, 14 x 11
- GX27-2904  
2760 LAYOUT GUIDE (OXBERRY)  
 No abstract available.  
 Transparent Layout Guide
- GX27-2905  
IBM 2760 OPTICAL IMAGE LIMIT AUXILIARY SCREEN OVERLAY GUIDE  
 This form is used by the 2760 operator for Auxiliary Screen Overlay.  
 Form, 7-1/2 x 9-1/4, 1 sheet
- GX27-2909  
PHYSICAL PLANNING TEMPLATE IBM 2770 DATA COMMUNICATION SYSTEM  
 This equipment template on acetate sheet is for the 2770 Data Communication System. Its scale is 1/4 inch equals 1 inch.  
 Template
- GX27-2950  
2250 DISPLAY LAYOUT SHEET  
 Sheet used to plan locations, on 2250 Display screen, of output areas.  
 Padded Form, 17 x 18 1/2, 1 side, 25 sheets
- GX27-2951  
IBM 3270 INFORMATION DISPLAY SYSTEM LAYOUT SHEET  
 Card layout sheet for the 3270 Information Display System.  
 Pad, 25 sheets per pad
- GX27-2955  
IBM 3600 FINANCE COMMUNICATION SYSTEM - PHYSICAL PLANNING TEMPLATE  
 The physical planning template is provided to assist customer personnel in showing components of the IBM 3600 Finance Communication System on floor plans.  
 Acetate Sheet
- GX27-2956  
PHYSICAL PLANNING TEMPLATE 3790 COMMUNICATIONS SYSTEM (US)  
 The purpose of the template is to provide the customer with scaled plan view drawings of each unit of the 3790 system to aid in generating the system floor plan.  
 One Sheet of Positive Film
- GX28-1464  
COBOL CODING FORM  
 This form is used for COBOL coding.  
 Form, 8-1/2 x 11, one side, one sheet
- GX28-1520  
IBM REFERENCE CARD - COBOL  
 This reference card is used for COBOL.  
 Reference Card, 7-1/2 x 3-1/4, 2 folds
- GX28-6383  
REFERENCE CARD, FORTRAN IV  
 FORTRAN IV information is included for IBM System/360 Basic Programming Support System (BPS Card and BPS Tape), IBM System/360 Tape Operating System (TOS), IBM System/360 Disk Operating System (DOS), IBM System/360 Operating System (E, G, and H,) IBM System/360 Model 44 Programming System (44PS), IBM System/360 Time Sharing System (TSS), IBM 1130 System (1130), IBM 1800 System (1800), and United States of America Standards Institute (USASI).  
 Booklet, 3 x 7, 12 pages
- GX28-6384  
IBM FORTRAN IV REFERENCE CARD  
 This reference card contains FORTRAN IV information for IBM 1130 System and IBM 1800 System (1130/1800), IBM System/3, IBM System/360 Disk Operating System (DOS), IBM System/360 Operating System (G, H, G1, H Extended, and Code and Go), IBM System/360 Time Sharing System (TSS/360), IBM Call/360-OS (CALL/360), American National Standard FORTRAN, X3.9-1966, and American National Standard Basic FORTRAN, X3.10-1966. This card is intended to be used as a secondary

reference. The basic program documentation is the authoritative source and will be the first to reflect any changes and improvements to the FORTRAN IV language.  
Fanfold Card, 8 panels, 3-3/4 x 8-1/2 folded size

- GX28-6400  
TSS/360 QUICK GUIDE FOR USERS  
PROGRAM NUMBER 360G-CL-627  
Small hand type, quick reference manual on TSS/360.  
Provides information on terminals, commands, FORTRAN, and Assembler.  
Manual, 112 pages
- GX28-6401  
TSS/360 QUICK GUIDE FOR SYSTEM PROGRAMMERS: TSSS, ASSEMBLER, CONTROL BLOCKS - REFERENCE SUMMARY, PROG. NO. 360G-CL-627  
This publication is designed to serve as a "quick guide" for System Programmers using TSS/360. It contains reference information about TSSS, assembler and control blocks.  
3 1/2 x 8 1/2 inch booklet, 50 pages
- GX28-6506  
IBM SYSTEM/360 BASIC ASSEMBLER SHORT CODING FORM  
This form is designed to assist programmers in coding programs in the IBM System/360 special support basic assembler language, as described in (GC28-6503)  
Padded Form, 25 to a Pad, 8-1/2 x 11
- GX28-6507  
IBM SYSTEM/360 BASIC ASSEMBLER LONG CODING FORM  
This form is designed to assist programmers in coding programs in the IBM System/360 special support basic assembler language, as described in (GC28-6503)  
Padded Forms, 25 to a Pad
- GX28-6509  
IBM SYSTEM/360 ASSEMBLER CODING FORM  
Coding form for entry of source data to be keypunched for Assembler programs.  
Padded Form, 25 sheets, 8 1/2 x 14, one side
- GX28-6731  
OPERATING SYSTEM SUMMARY CHART  
This wallchart can be used to document the standard and optional items in the individual System/360 or System/370 Operating System. The user checks the boxes beside the items in his system, or supplies the number, name, or address where appropriate.  
Summary Chart, 2 pages
- GX28-6749  
IBM OPERATING SYSTEM/360 REFERENCE CARD: SERVICE AIDS  
This reference card contains information extracted from manual GC28-6719-0, IBM Operating System/360 Service Aids and applies to Release 19.  
Reference Card, 3 3/4 x 8 1/2 inch, 2 pages
- GX28-6781  
IBM S/360 TSO COMMAND LANGUAGE REFERENCE SUMMARY  
This reference summary will be updated from time to time; however, the basic documentation is the authoritative source and will be first to reflect changes. Effective system level, OS Release 21.6. Information herein is extracted from GC28-6732-2.  
Reference card
- GX28-6783  
IBM OS/360 JOB CONTROL LANGUAGE SYNTAX REFERENCE SUMMARY  
This reference summary supersedes X20-1746-5. Effective system level is OS Release 21. Information contained in this summary is extracted from GC28-6704-2. Changes or additions are marked by a vertical line to the left of the change.  
Reference card
- GX28-6812  
SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM - FORMATS FOR MACHINE-CHECK INTERRUPTION DIAGNOSTICS  
This reference card is used for System/360 Model 44 - formats for machine-check interruption diagnostics.  
Reference Card, 7-1/2 x 3-1/4, 2 folds
- SX28-6813  
IBM SYSTEM/360 OS/DOS ITP: PLI REFERENCE CARD  
PROGRAM NUMBERS 5734-RC1, 5736-RC1  
A 12-page folder containing the keys to symbols in formats, system information and ITP:PL/I Language.  
Program Product Reference Card
- SX28-6814  
IBM SYSTEM/360 OS/DOS ITP: BASIC, REFERENCE CARD, PROG. NOS. 5734-RC3 AND 5736-RC2  
Reference card containing information on system and ITP: BASIC.  
Reference Card
- GX28-7327  
FORTRAN CODING FORM  
This is a form for coding FORTRAN statements.  
Padded Form, 8 1/2 x 14, one side, 25 sheets
- SX28-8193  
IBM FORTRAN INTERACTIVE DEBUG FOR OS (TSO) AND VM/370 (CMS) REFERENCE CARD - PROGRAM NUMBER 5734-FO5  
No abstract available.  
Reference card, 12 cards
- SX28-8194  
IBM OS COBOL INTERACTIVE DEBUG REFERENCE CARD - PROGRAM PRODUCT 5734-CB4  
This card contains reference information for using COBOL Interactive Debug.  
Card, 12 pages
- GX28-8195  
IBM GUIDE TO AMERICAN NATIONAL STANDARD COBOL REFERENCE CARD  
This reference summary provides a condensed version of essential information concerning American National Standard COBOL Program Products: DOS Subset, DOS Full, OS Full versions 3 and 4, System/3, 1130, TSO Prompter, and Interactive Debug. For each, it includes operation system core requirements for compiler, data set compatibility, device support, program number, monthly fee, debugging aids, availability, particular audience, documentation numbers and other important details.  
Fanfold card, five panels, pocket size
- GX33-6000  
IBM SYSTEM/360 OPERATING SYSTEM PL/1 (F) REFERENCE CARD: KEYWORDS  
No abstract available.  
Reference card, 16 slides, fanfold
- SX33-6001  
DISK OPERATING SYSTEM/360 REFERENCE CARD PL/I OPTIMIZING COMPILER KEYWORDS  
This reference card contains information to readily assist the user of the DOS PL/I Optimizing Compiler. Keywords, their use and examples are included. The information is extracted from the IBM System/360 Disk Operating System PL/I Optimizing Compiler Language Reference Manual, Order Number SC33-0005.  
Reference Card
- SX33-6002  
OS PL/I OPTIMIZING AND CHECKOUT COMPILERS: KEYWORDS, TERMINAL COMMANDS, AND COMPILER OPTIONS REFERENCE CARD - PROGRAM NUMBERS 5734-PL1, PL2, PL3  
This reference card contains extracts from documents related to OS PL/I Optimizing and Checkout compilers. Keywords, terminal commands, and compiler options are recorded.  
Reference card, foldout, 8-1/4 x 3-1/2 inches, 20 pages
- SX33-8001  
OS/VS SORT/MERGE REFERENCE SUMMARY - PROG. PROD. 5740-XM1  
This card contains information summarized from the OS/VS Sort/Merge Programmer's Guide, Order No. SC33-4035. It will be updated from time to time but changes to the program will be reflected first in the Programmer's Guide.  
Reference Summary, 4 panels
- GX35-5001  
IBM SYSTEM/360/370 REFERENCE DATA 2401-2404, 2415, 2420, AND 3420 MAGNETIC TAPE UNITS  
This pocket-size reference card assists in estimating tape processing times and block capacities per full reel for all IBM tape systems currently in production. This card obsoletes X22-6837.  
Reference Card, 5 folds; pocket size
- LYA2-5201  
IBM SYSTEM/360 AND SYSTEM/370 (OS/TSO) MATRIX INTERPRETATIVE SYSTEM (MATSYS) PROGRAM LISTING - PROGRAM PRODUCT 5734-XM7  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche
- LYA2-5203  
IBM SYSTEM/360 AND SYSTEM/370 SUBROUTINE LIBRARY MATHEMATICS - MICROFICHE LISTING - PROGRAM NUMBER 5736-XM7  
This microfiche contains program listings for IBM System/360 and System/370 SL-MATH, Program 5736-XM7.  
Microfiche
- LYA9-2007  
IBM VEHICLE SCHEDULING PROGRAM--EXTENDED (OS) PROGRAM LOGIC MANUAL, VOLUME III PROGRAM LISTINGS - MICROFICHE, PROGRAM NUMBER 5734-XM5  
The program listings for the IBM Vehicle Scheduling Program-

-Extended have been placed on microfiche. They have been cross-referenced to the flowcharts which are available in Volume II of the Program Logic Manual, Form LY19-2006. Microfiche

## LYA9-2008

IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (DOS) PROGRAM LOGIC MANUAL, VOLUME III PROGRAM LISTINGS - MICROFICHE  
PROG. NO. 5736-XX3

The program listings for the IBM Vehicle Scheduling Program -- Extended have been placed on microfiche. They have been cross-referenced to the flowcharts which are available in Volume II of the Program Logic Manual, Form LY19-2006. Microfiche

## LYA9-5038

SIMULATION LANGUAGE BASED ON PL/1 (SIMPL/1) PROGRAM LOGIC MANUAL, VOL. II, FLOWCHARTS - PROGRAM NUMBER 5734-XXB

This set of microfiche cards contains flowcharts and is an addition to the SIMPL/I Logic Manual, Vol. I, Narratives, LY19-5037, which is available in hardcopy. Microfiche

## GYB0-0304

PROJECT CONTROL SYSTEM/360 VERSION 2 MICROFICHE-LISTINGS  
PROGRAM NUMBER: 360A-CP-06X

This publication (on microfiche) contains the DOS assembler and DOS FORTRAN Compiler output listings for PCS/360, Version 2. Microfiche

## GYB0-0347

SYSTEM/360 MATRIX LANGUAGE (MATLAN) LISTINGS,  
PROGRAM NUMBER 360A-CN-05X

This Microfiche Publication contains the Assembler and Compiler listings for the system/360 Matrix Language (MATLAN) program. It should be used in conjunction with the MATLAN System Manual (GY20-0261). Microfiche

## GYB0-0348

SYSTEM/360 AD-APT/AUTOSPOT (OS)  
NUMERICAL CONTROL PROCESSOR: LISTINGS  
APPLICATION - PROGRAM NUMBER 360A-CN-12X

This manual contains assembly listing for System/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR. They should be used in conjunction with the System Manual (GY20-0267). Microfiche

## GYB0-0414

LINEAR PROGRAMMING SYSTEM/360 (LPS/360)  
COMPILATION/ASSEMBLY LISTINGS MANUAL  
MICROFICHE - PROGRAM NUMBER 360A-CO-18X

This manual (on microfiche) contains the compilation/assembly listings of all LPS source modules except those that are IBM proprietary. Microfiche

## LYB0-0433

INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360:  
SYSTEM MANUAL, VOLUME III - ASSEMBLY LISTINGS MICROFICHE  
PROGRAM NUMBER 5736-CX3, FEATURE CODE 8003

This manual contains program listings which may be used in conjunction with the information contained in Volumes I and II. These listings appear in alphabetic order by module name and a cross-reference index is supplied which relates the assembly modules to the load modules. Microfiche

## LYB0-0454

PROJECT MANAGEMENT SYSTEM/360: VERSION 3, LISTINGS -  
SYSTEM MANUAL MICROFICHE  
PROGRAM NUMBER 5734-XP1 FEATURE CODE 8301

This manual contains the assembler language listings of all the subroutines of PMS/360 Version 3 (5734-XP1). It should be used in conjunction with the Network Processor System Manual (feature 8101), Cost Processor System Manual (feature 8102), Report Processor System Manual (feature 8103), Resource Allocation Processor System Manual (feature 8104), and Flowchart Manual (feature 8105). Microfiche

## LYB0-0465

GRAPHIC ANALYSIS OF THREE DIMENSIONAL DATA (GATD)  
SYSTEM MANUAL VOLUME 2 PROGRAM LISTINGS  
PROGRAM NUMBER 5734-XX2 - FEATURE CODE 8301

This document contains Type I OS program listings and DOS/OS PTF listings. Microfiche

## LYB0-0480

LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMTRAS)  
VOLUME 2 LISTINGS - MICROFICHE  
SYSTEM MANUAL PROGRAM NUMBER 5736-G21, FEATURE CODE 8401

The System/360 Law Enforcement Manpower Resource Allocation System (LEMTRAS) is a system which can assist police departments in the planning and evaluation of patrol

manpower use, applying scientific management techniques to maintain and analyze information relating to called-for-service activity. LEMTRAS forecasts future activity over user-defined geographic areas and time periods. The forecasted activity may, upon request, be analyzed to derive information on the number of patrol units required to answer the calls. LEMTRAS-prepared information may also be combined with other data to help derive total manpower requirements.

This microfiche manual presents the program assembly and linkage edit listings. The program, narratives, flowcharts, and the switch and register usage lists are in Volume 1 of the LEMRAS System Manual (LY20-0479). Microfiche

## GYB0-0492

SYSTEM/360 VEHICLE SCHEDULING PROGRAM (360A-ST-06X)  
LISTINGS - SYSTEM MANUAL

This microfiche manual contains the assembler listings for the Schedule Production and Distance List sections of VSP/360. Only the microfiche edition is available. Microfiche

## GYB0-0507

IBM SYSTEM/360 DOS POWER II: LISTINGS - MICROFICHE  
PROGRAM NUMBER 360D-05.2.006

This manual contains the source listing of the macros of POWER II (priority Output Writers, Execution Processors, and Input Readers) and a sample assembly of the program. This manual is available in microfiche only. Microfiche

## GYB0-0508

IBM SYSTEM/360/370 ATTACHED SUPPORT PROCESSOR (ASP)  
VERSION 2 MICROFICHE, PROGRAM NUMBER 360A-CX-15X

This manual is available in microfiche only and contains the assembly listings for the Attached Support Processor (ASP) Version 2. Microfiche

## GYB0-0512

HASP MICROFICHE LISTINGS - PROGRAM NUMBER 360D-05.1.014

Microfiche listings for program named in the title. Microfiche

## GYB0-0515

2495 UTILITY FOR OS/360 - LISTINGS  
PROGRAM NUMBER 360D-00.0.020

This fiche contains the assembly listings for 2495 Utility Program. It is available only in the microfiche edition. Microfiche

## GYB0-0516

CONVERSATIONAL REMOTE BATCH ENTRY (CRBE) VERSION 2:  
MOD 8 LISTINGS PROGRAM NUMBER 360D-05.1.016

This manual contains the assembly listings for Version 2, Modification level 7 of the Conversational Remote Batch Entry (CRBE) program. Only the microfiche edition is available. Microfiche

## GYB0-0517

CONVERSATIONAL PROGRAMMING SYSTEM (CPS) VERSION 5 LISTINGS  
PROGRAM NUMBER 360D-03.4.016

The abstract for this item may be found by referring to the abstract for the order number which appears below the title above. Microfiche

## GYB0-0527

SYSTEM/360 DOS POWER II, VERSION 2, WITH  
REMOTE JOB ENTRY (RJE) - LISTINGS  
PROGRAM NUMBER 360D-05.2.006

This manual contains the listings and a sample assembly of the macros for Version 4 of DOS Poser II/RJE (Priority Output Writers, Execution Processors, and Input Readers, with Remote Job Entry). The listings should be used in conjunction with the program description and operations manual for POWER II/RJE (GH20-0761). This manual is available in Microfiche only. Microfiche

## GYB0-0538

CALL-OS VERSION 2 EXECUTIVE & UTILITY LISTINGS  
PROGRAM NUMBER 360A-CX-42X

This microfiche publication contains the executive and utility listings for 360A-CX-42X, CALL-OS. Microfiche

## GYB0-0540

CALL/360-OS (VERSION 1) BASIC ASSEMBLY LISTINGS  
PROGRAM NO. 360A-CX-44X (FE #030440)

This microfiche manual contains the source listings for the BASIC compiler program of CALL/360-OS. Only the microfiche edition is available. Microfiche



- GYBO-0541  
CALL/360-OS (VERSION 1) FORTRAN ASSEMBLY LISTINGS  
 PROG. NO. 360A-CX-46X (FE #030460)  
 This microfiche manual contains the source listings for the FORTRAN compiler program of CALL/360-OS. Only the microfiche edition is available.  
 Microfiche
- GYBO-0542  
CALL/360-OS (VERSION 1) PL/I ASSEMBLY LISTINGS  
 PROGRAM NO. 360A-CX-45X (FE #030450)  
 This microfiche manual contains the source listings for the PL/I compiler of CALL/360-OS. Only the microfiche edition is available.  
 Microfiche
- GYBO-0592  
CP-67/CMS CP67 LISTINGS - PROG. NO. 360D-05.2.005  
 This manual contains the Version 3, CP-67 Assembly Listings.  
 Microfiche
- GYBO-0593  
CP-67/CMS, CMS LISTINGS, PROGRAM NUMBER 360D-05.2.005  
 This microfiche contains listings of CP-67/CMS  
 Microfiche
- GYBO-0598  
COMPATIBILITY OPERATING SYSTEM FOR EMULATION OF IBM 1410/7010 DATA PROCESSING SYSTEMS OPERATING ON IBM SYSTEM/360 MODEL 50 (COS/50) (360D-11.1.025) LISTINGS  
 This Manual contains the listings of the Compatibility Operating System (COS/50). COS/50 is used with System/360 Compatibility Feature No. 4478, modified by RPQ F23666, to execute IBM 1410/7010 programs on an IBM System/360 Model 50. COS/50 operates as a problem program under the IBM System/360 Operating System.  
 Microfiche
- LYBO-0617  
PROJECT MANAGEMENT SYSTEM IV (PMS IV) COST PROCESSOR ASSEMBLY LISTINGS  
 PROGRAM NUMBER 5734-XP4, FEATURE CODE 8076  
 This Microfiche Publication contains the assembly listings for the Cost Processor Program of PMS IV.  
 Microfiche
- LYBO-0618  
PROJECT MANAGEMENT SYSTEM IV (PMS IV) NETWORK PROCESSOR ASSEMBLY LISTINGS  
 PROGRAM NUMBER 5734-XP4, FEATURE CODE 7406  
 This Microfiche Publication contains the assembly listings for the Network Processor Program of PMS IV.  
 Microfiche
- LYBO-0619  
PROJECT MANAGEMENT SYSTEM IV (PMS IV) RESOURCE ALLOCATION PROCESSOR ASSEMBLY LISTINGS  
 PROGRAM NUMBER 5734-XP4, FEATURE CODE 8079  
 Microfiche Publication contains the Assembly Listings for the Resource Allocation Processor Program of PMS IV.  
 Microfiche
- LYBO-0620  
PROJECT MANAGEMENT SYSTEM IV (PMS IV) REPORT PROCESSOR ASSEMBLY LISTINGS  
 PROGRAM NUMBER 5734-XP4, FEATURE CODE 8070  
 This microfiche publication contains the assembly listings for the Report Processor Program of PMS IV.  
 Microfiche
- LYBO-0625  
APL/360-OS ASSEMBLY LISTINGS, PROGRAM NUMBER 5734-XM6, FEATURE CODE 8092, FE SERVICE NUMBER 200156  
 This set of microfiche cards contains the assembly listings of the APL/360-OS Program.  
 Microfiche
- LYBO-0626  
APL/360 - DOS ASSEMBLY LISTINGS, PROGRAM NUMBER 5736-XM6, FEATURE CODE 8065, FE SERVICE NUMBER 200157  
 This set of microfiche cards contains the assembly listings of the APL/360 - DOS Program.  
 Microfiche
- LYBO-0631  
INFORMATION MANAGEMENT SYSTEM/360 (IMS/360) VERS. 2, MOD LEVEL 3, DATA BASE LISTINGS, VOL 3, PROG. PROD. 5734-XX6  
 This Microfiche publication contains the Data Base Assembly Listings of IMS/360.  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYBO-0632  
INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, VOLUME 4, DATA COMMUNICATION LISTINGS, MICROFICHE  
 PROGRAM NUMBER 5734-XX6, FEATURE CODE 8083  
 This microfiche publication contains the Data Communication Assembly Listings of IMS/360.  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYBO-0643  
MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) ASSEMBLY LISTINGS - PROGRAM NUMBER 5734-XM4  
 FE SERVICE NUMBER 200080  
 This microfiche publication contains the MPSX Assembly Listings.  
 Microfiche
- LYBO-0644  
MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX), MIXED INTEGER PROGRAMMING (MIP), PROGRAM NUMBER 5734-XM4, ASSEMBLY LISTING MICROFICHE  
 This Microfiche Publication contains the MPSX (MIP) Assembly Listings.  
 Microfiche
- LYBO-0720  
COURSEWRITER III, DOS VERSION 3 LISTINGS - MICROFICHE  
 PROGRAM NUMBER 5736-E11  
 This microfiche contains the Coursewriter III, DOS Version 3, assembly listings.  
 Microfiche
- LYBO-0721  
COURSEWRITER III; DOS VERSION 3 FLOWCHARTS MICROFICHE - PROGRAM NUMBER 5736-E11  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche
- LYBO-0724  
CUSTOMER INFORMATION CONTROL SYSTEM/DOS - ENTRY (CICS/DOS-ENTRY) LISTINGS, PROG. PROD. 5736-XX6  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYBO-0735  
CUSTOMER INFORMATION CONTROL SYSTEM/DOS STANDARD (CICS/DOS-STANDARD) LISTINGS, PROG. PROD. 5736-XX7  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYBO-0781  
CUSTOMER INFORMATION CONTROL SYSTEM/OPERATING SYSTEM STANDARD (CICS/OS-STANDARD) VERSION 2 PROGRAM LISTINGS MICROFICHE - PROGRAM NUMBER 5734-XX7  
 This microfiche publication contains the assembly listings for Version 2 of the CICS/OS - Standard Program.  
 Microfiche
- LYBO-0784  
COURSEWRITER III, VERSION 3 OS FLOWCHARTS - MICROFICHE  
 PROGRAM NUMBER 5734-E13  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche
- LYBO-0785  
COURSEWRITER III, VERSION 3 OS LISTINGS - MICROFICHE  
 PROGRAM NUMBER 5734-E13  
 This document contains Type I OS program listings and DOS/OS PTF listings.  
 Microfiche
- GYBO-0789  
CONTROL PROGRAM-67/CAMBRIDGE MONITOR SYSTEM (CP-67/CMX) VERSION 3.1 (COMPONENT RELEASE 1) 3420 MAGNETIC TAPE UNITS AND DUAL DENSITY SUPPORT - LISTINGS (MICROFICHE)  
 PROGRAM NUMBER 360D-05.2.005  
 This microfiche publication contains the version 3.1 (CP-67/CMS) 3420 Magnetic Tape Units and Dual Support Listings.  
 Microfiche
- LYBO-0824  
INTERACTIVE TRAINING SYSTEM MICROFICHE LISTINGS - PROGRAM NUMBER 5734-XXC  
 No abstract available.

Microfiche

LYBO-0832

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) GENERALIZED UPPER BOUNDING (GOB) MICROFICHE LISTINGS - PROGRAM NUMBER 5734-XX4  
No abstract available.  
Microfiche

LYBO-0834

INTERACTIVE QUERY FEATURE (IQF) TO IMS/360: MICROFICHE LISTINGS - PROGRAM NUMBER 5734-XX6  
No abstract available.  
Microfiche

LYBO-0839

DATA LANGUAGE/I DOS/VS LISTING - PROG. NO. 5746-XX1  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

GYBO-0854

IBM S/360, 370 ASYMMETRIC MULTIPROCESSING SYSTEM (ASP VERSION 3): LISTINGS MICROFICHE PROGRAM NUMBER 360A-CX-15X  
No abstract available.  
Microfiche

GYBO-0856

S/370 HASP II VERSION 4 MICROFICHE - PROGRAM NUMBER 370H-TX-001  
Contains SCP program listings for OS/VS1 and/or OS/VS2 as specified in the title.  
Microfiche

LYBO-0864

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) BASIC RETRIEVAL SYSTEM MICROFICHE - PROGRAM NUMBER 5734-XX1  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

LYBO-0865

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) ARITHMETIC STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

LYBO-0866

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) TELEPROCESSING SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

LYBO-0867

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) CONTROL STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

LYBO-0868

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) PROCESSING STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

LYBO-0869

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) FORMAL REPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

LYBO-0870

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) HIERARCHICAL FILE SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

LYBO-0871

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) UPDATE AND CREATE FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

LYBO-0872

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) UTILITY FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

LYBO-0873

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) EDIT AND ENCODE FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

LYBO-0874

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) FILE MODIFY FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

LYBO-0875

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) DATA LANGUAGE/I QUERY SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

LYBO-0876

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) EXTENDED MULTI-FILE SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

LYBO-20 10

A PROGRAMMING LANGUAGE SHARED VARIABLE LISTINGS (APLSV) PRPQ 5799-AJF  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

LYBO-8008

CUSTOMER INFORMATION CONTROL SYSTEM/VS (CICS/VS) PROG. PROD. 5740-XX1  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

LYBO-8009

CUSTOMER INFORMATION CONTROL SYSTEM - DOS/VS (CICS/VS) - PROG. PROD. 5746-XX3  
Customer Information Control System - DOS/VS title.  
Microfiche

LYBO-8016

INFORMATION MANAGEMENT SYSTEM/VS RELEASE 1.0 DATA BASE LISTINGS - SYSTEM MANUAL VOL III PROG. PROD. 5740-XX2  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing

agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

## LYB0-8017

INFORMATION MANAGEMENT SYSTEM/VS RELEASE 1.0  
DATA COMMUNICATION LISTINGS FEATURE SYSTEM MANUAL VOL. IV  
PROG. PROD. 5740-XX2  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

## LYB0-8018

INFORMATION MANAGEMENT SYSTEM/VS RELEASE 1.6  
INTERACTIVE QUERY FACILITY (IQF) SYSTEM MANUAL  
VOL. VI - PROG. PROD. 5740-XX2  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

## GYB0-8501

MICROFICHE FOR IBM SYSTEM/370 DISTRIBUTED SYSTEM - PROGRAM  
NUMBER 360A-TX-032  
Program assembly listings for all source modules excluding macros.  
Microfiche

## LYB1-0450

S/360 DOS RPG II COMPILER, LISTINGS, PROG. PROD. 5736-RG1  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Microfiche

## LYC7-0900

PROGRAM LISTINGS OS 01.2 OS SORT/MERGE MICROFICHE  
PROGRAM NUMBER 5734-SM1  
The IBM System/360 Operating System Sort/Merge program (5734-SM1) is a generalized program that can sort and merge blocked and unblocked, fixed-or variable-length records in a manner based on control information supplied by the user. This version of the program is designed to:  
o Sort a data set using one of the following devices for intermediate storage:  
IBM 2400 Series Magnetic Tape  
IBM 2311 Disk Storage  
IBM 2301 Drum Storage  
IBM 2314 Direct Access Storage Facility  
o Merge up to 16 previously sorted data sets.  
Instructions for running the program are to be found in the IBM System/360 Operating System Sort/Merge Programmers Guide (SC33-4007). A description of the programs logic and control blocks may be found in the IBM System/360 Operating System Sort/Merge Program Logic Manual (LY33-8027).  
Microfiche

## LYC7-0901

DOS 01-0 SORT/MERGE LISTINGS - PROGRAM PRODUCT 5743-SM1  
The microfiche cards contain program listings of all the modules of DOS Sort/Merge, 5734-SM1. The program itself includes all functions, facilities and options of the 5736-SM1 Program Product and The Type 1 360N-SM-483 Sort/Merge program such as ASCII support and support of the COBOL Sort Verb besides the following: (a) support of the 3330 DASF and the 3400-series tape devices for input, output and work data sets, (b) reduction in main storage requirements from 22K to 10K when sorting on 2314/2319 DASF. Allow sorting in 10K for all DASD and DASF supported (c). Increased security through an option to erase work data sets (except 2400-series tape devices (d) a facility to specify and programmer logical unit number for input, output, and work data sets.  
Microfiche

## LYC7-0903

DOS/VS SORT/MERGE 1.0 LISTING - PROGRAM PRODUCT 5746-SM1  
This set of microfiche cards contains program listings of all the modules of DOS/VS SORT/MERGE, 5746-SM1. Together with the program logic manual for DOS/VS SORT/MERGE Order No. LY33-8038. This set is intended for use in support of the program.  
Microfiche

## LYC7-0904

OS/VS SORT/MERGE, LISTING - PROG. PROD. 5740-SM1  
The microfiche cards contain program listings of all the modules of OS/VS SORT/MERGE, 5740-5149. Together with the Program Logic Manual for OS/VS SORT/MERGE order no. LY33-8042. They are intended for use by Field Engineering in support of the program.  
Microfiche

## SYC7-1117

SYSTEM/370 OS MULTIFONT PREPROCESSOR SUPPORT LISTINGS  
PROGRAM NUMBER 360A-TX-031  
System/370 OS Preprocessor Support assembly listings.  
Microfiche

## SYC7-1118

SYSTEM/370 OS/VS MULTIFONT PREPROCESSOR SUPPORT LISTINGS  
PROGRAM NUMBER 5744-AE1  
System/370 OS/VS Preprocessor Support assembly listings.  
Microfiche

## SYC7-1119

SYSTEM/370 DOS MULTIFONT PREPROCESSOR SUPPORT LISTINGS  
PROGRAM NUMBER 360A-TX-031  
System/370 DOS Preprocessor Support assembly listings.  
Microfiche

## LYC7-1317

IBM DISK OPERATING SYSTEM REPORT PROGRAM GENERATOR II  
AUTO REPORT FEATURE - PROGRAM LISTINGS - PROGRAM NUMBER  
5736-RG1  
Contains Type I DOS program listings as specified in the title.  
Microfiche

## LYC7-1700

DOS/360 ASCII MAGNETIC TAPE UTILITIES PROGRAM LISTINGS  
PROGRAM NUMBER 5736-UT2  
This microfiche contains the source listings of the modules that make up the DOS/360 ASCII Magnetic Tape Utilities.  
Microfiche

## GYC7-1900

S/370 DISK OPERATING SYSTEM ASSEMBLER D ASSEMBLY LISTINGS  
PROGRAM NUMBER 370N-AS-465  
Contains Type I DOS program listings as specified in the title.  
Microfiche

## GYC7-1901

SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY  
LISTINGS - SYSTEM CONTROL/BASIC IOCS - PROGRAM  
NUMBER 370N-CL-453  
Contains Type I DOS program listings as specified in the title.  
Microfiche

## GYC7-1902

DOS 27.1 DIRECT ACCESS METHOD, ASSEMBLY LISTINGS,  
PROG. NO. 370N-IO-454  
Contains Type I DOS program listings as specified in the title.  
Microfiche

## GYC7-1903

DOS 27 SEQUENTIAL DISK IOCS MICROFICHE LISTINGS - PROGRAM  
NUMBER 370N-IO-455  
Contains Type I DOS program listings as specified in the title.  
Microfiche deck

## GYC7-1904

DOS 27 MAGNETIC TAPE IOCS MICROFICHE LISTINGS - PROGRAM  
NUMBER 370N-IO-456  
Contains Type I DOS program listings as specified in the title.  
Microfiche deck

## GYC7-1905

DOS 27 ISFMS MICROFICHE LISTING - PROGRAM NUMBER 370N-IO-457  
Contains Type I DOS program listings as specified in the title.  
Microfiche deck

## GYC7-1906

DOS-27 PAPER TAPE IOCS - MICROFICHE LISTINGS  
PROGRAM NUMBER 360N-IO-458  
These microfiche cards contain listings of program mentioned in title.  
Microfiche

## GYC7-1907

DOS 27 SYSTEM UTILITY PROGRAMS, 370N-UT-491 MICROFICHE  
LISTING  
Contains Type I DOS program listings as specified in the title.  
Microfiche

## GYC7-1908

S/370 DISK OPERATING SYSTEM ENVIRONMENTAL RECORDING AND  
EDITING PROGRAM 370N-UT-492  
Contains Type I DOS program listings as specified in the title.

## GYC7

## LYC7

- Microfiche, 3 cards
- GYC7-1909  
S/370 DISK OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD ASSEMBLY LISTINGS, PROGRAM NUMBER 370N-CQ-469  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche, 9 cards
- GYC7-1910  
S/370 DISK OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD ASSEMBLY LISTINGS, PROGRAM NUMBER 370N-CQ-470  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche
- GYC7-1911  
SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS 3735 TERMINAL SUPPORT - PROGRAM NUMBER 370N-CQ-493  
 Microfiche assembly listings of System/370 Disk Operating System, Release 27 3735 Terminal Support, 370N-CQ-493.  
 Microfiche
- GYC7-1912  
SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS OLTEP - PROGRAM NUMBER 370N-DN-481  
 Microfiche assembly listings of System/370 Disk Operating System, Release 27 OLTEP, 370N-DN-481.  
 Microfiche
- GYC7-1913  
S/370 DISK OPERATING SYSTEM SYSTEM/370 EMULATOR ASSEMBLY LISTINGS - PROGRAM NUMBER 370N-EU-490  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche, 10 cards
- GYC7-1914  
SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS COMPILER I/O MODULES - PROGRAM NUMBER 370N-IO-476  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche, 44 cards
- GYC7-1915  
S/370 DISK OPERATING SYSTEM MAGNETIC CHARACTER READER IOCS 370N-IO-477  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche
- GYC7-1916  
S/370 DISK OPERATING SYSTEM OPTICAL CHARACTER READER IOCS ASSEMBLY LISTINGS - PROGRAM NUMBER 370N-IO-478  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche, 1 card
- GYC7-1917  
SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS MICROFICHE INDEX  
 Microfiche Index Release 27 of DOS/370.  
 Microfiche
- GYC7-1918  
DOS 27 ASSEMBLER F - MICROFICHE LISTING PROGRAM NUMBER 360N-AS-466  
 This document contains Type I OS program listings and DOS/OS PTF listings.  
 Microfiche
- GYC7-1919  
DOS 27 COBOL D - MICROFICHE LISTING PROGRAM NUMBER 360N-CB-452  
 This document contains Type I OS program listings and DOS/OS PTF listings.  
 Microfiche
- GYC7-1920  
DOS 27 ANS COBOL - MICROFICHE LISTING PROGRAM NUMBER 360N-CB-482  
 This document contains Type I OS program listings and DOS/OS PTF listings.  
 Microfiche
- GYC7-1921  
S/370 DISK OPERATING SYSTEM LANGUAGE CONVERSION PROGRAM ASSEMBLY LISTINGS, PROGRAM NUMBER 360N-CV-489  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche
- GYC7-1922  
S/370 DISK OPERATING SYSTEM FORTRAN IV ASSEMBLY LISTINGS - PROGRAM NO. 360N-FO-479  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche
- GYC7-1923  
DOS 27 FORTRAN LIBRARY SUB PROGRAM MICROFICHE LISTINGS PROGRAM NUMBER 360N-LM-480  
 This document contains Type I OS program listings and DOS/OS PTF listings.  
 Microfiche
- GYC7-1924  
S/370 DISK OPERATING SYSTEM PL/1 ASSEMBLY LISTINGS, PROGRAM NUMBER 360N-PL-464  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche
- GYC7-1925  
DOS 27 DISK SORT/MERGE-MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-450  
 This document contains Type I OS program listings and DOS/OS PTF listings.  
 Microfiche
- GYC7-1926  
S/370 DISK OPERATING SYSTEM MODULAR SORT/MERGE ASSEMBLY LISTINGS PROGRAM NUMBER 360N-SM-483  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche
- GYC7-1927  
DOS 27 UTILITIES GROUP I - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-461  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche
- GYC7-1928  
S/370 DISK OPERATING SYSTEM GROUP 2 UTILITIES TAPE 360N-UT-462  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche
- GYC7-1930  
DOS 27.1 UTILITIES GROUP 3 MICROFICHE LISTING - PROGRAM NUMBER 360N-UT-463  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche, 2 cards
- GYC7-1931  
S/370 DISK OPERATING SYSTEM MPS UTILITY MACROS MICROFICHE ASSEMBLY LISTINGS, PROG. NO. 360N-UT-471  
 Contains Type I DOS program listings as specified in the title.  
 Microfiche - 1 card
- LYC7-2300  
ASSEMBLY LISTING MICROFICHE FOR TSO DATA UTILITIES - PROGRAM PRODUCT 5734-UT1  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYC7-2301  
SYSTEM/360 OPERATING SYSTEM ASCII UTILITIES ASSEMBLY LISTING MICROFICHE - PROGRAM PRODUCT - PROGRAM NUMBER 5734-UT2  
 No abstract available.  
 Assembly Listing Microfiche
- LYC7-2500  
SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER PROGRAM LISTING - PROGRAM NUMBER 5734-PL2  
 No abstract available.  
 Microfiche
- LYC7-2501  
DISK OPERATING SYSTEM/360 PL/I RESIDENT LIBRARY - ASSEMBLY LISTING MICROFICHE PROGRAM NUMBER 5736-LM4  
 Microfiche of Assembly Listings.  
 Microfiche
- LYC7-2502  
DISK OPERATING SYSTEM/360 PL/I TRANSIENT LIBRARY ASSEMBLY LISTING MICROFICHE - PROGRAM NUMBER 5736-LM5  
 Microfiche of Assembly Listings.

- Microfiche
- LYC7-2503  
DISK OPERATING SYSTEM/360 PL/I OPTIMIZING COMPILER ASSEMBLY LISTING MICROFICHE - PROGRAM NUMBER 5736-PL1  
 Microfiche of Assembly Listings.  
 Microfiche
- LYC7-2504  
SYSTEM/360 OPERATING SYSTEM PL/I RESIDENT LIBRARY MICROFICHE - PROGRAM NUMBER 5734-LM4  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYC7-2505  
OS PL/I TRANSIENT LIBRARY - MICROFICHE, PROG. NO. 5734-LM5  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYC7-2506  
SYSTEM/360 OPERATING SYSTEM PL/I OPTIMIZING COMPILER MICROFICHE LISTINGS - PROGRAM NUMBER 5734-PL1  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYC7-5006  
IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1, 5734-RC3  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche
- LYC7-5008  
IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1, 5734-RC3  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche
- LYC7-5009  
IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1, 5734-RC3  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche
- LYC7-5010  
IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1, 5734-RC3  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche
- LYC7-5011  
IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1, 5734-RC3  
 Contains Type I OS Program Listings and DOS/OS PTF listing.  
 Microfiche
- LYC7-5012  
SYSTEM/360 DISK OPERATING SYSTEM FORTRAN F LIBRARY PROGRAM PRODUCT LISTING MICROFICHE ASC II - PROGRAM NUMBER 5736-LM1  
 This document contains Type I OS program listings and DOS/OS PTF listings.  
 Microfiche
- LYC7-5013  
IBM DOS/360 ITF PL/I, LISTINGS - PROG. PROD. 5736-RC1  
 This microfiche contains the assembly listings of the modules that make up the DOS ITF Release II, PL/I, program product.  
 Microfiche
- LYC7-5014  
DOS ITF RELEASE II - SHARED ASSEMBLY LISTINGS - MICROFICHE  
 This microfiche contains the assembly listings of the modules that make up the DOS ITF Release II, SHARED, program product.  
 Microfiche
- LYC7-5015  
DOS ITF RELEASE II - BASIC ASSEMBLY LISTINGS - MICROFICHE PROG. PROD. 5736-RC2  
 This microfiche contains the assembly listings of the modules that make up the DOS ITF Release II, BASIC, program product.  
 Microfiche
- LYC7-5016  
IBM OS/360 ITF PL/I LISTINGS, PROG. PROD. 5734-RC1  
 Microfiche of program product 5734-RC1 assembly listings.  
 Microfiche
- LYC7-5017  
IBM OS/360 ITF SHARED - PROG. PROD. 5734-RC1/RC3  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement is also available to IBMers on a need-to-know basis.  
 AA  
 Microfiche
- LYC7-5018  
SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY - BASIC MODULES - MICROFICHE LISTINGS - PROGRAM NUMBER 5734-RC3  
 Contains Type I OS program listings as specified in the title.  
 Microfiche
- LYC7-5019  
IBM SYSTEM/360/370 FORTRAN IV H EXTENDED COMPILER - LISTINGS, PROG. PROD. 5734-FO3  
 Contains Type I OS program listings as specified in the title.  
 Microfiche
- LYC7-5020  
IBM SYSTEM/360/370 FORTRAN IV LIBRARY MOD II - LISTINGS PROG. PROD. 5734-LM3  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYC7-5021  
SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G1) COMPILER MICROFICHE LISTINGS, PROG. PROD. 5734-FO2  
 Contains Type I OS program listings as specified in the title.  
 Microfiche
- LYC7-5022  
OS 360/370 FORTRAN IV LIBR. MOD I LISTING, P.P. NO. 5734-LM1  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYC7-5023  
SYSTEM/360 OPERATING SYSTEM AMERICAN NATIONAL STANDARD (ANS) COBOL VERSION 3 LISTINGS - PROGRAM NUMBER 5734-CB1  
 This microfiche set contains source listings for ANS COBOL Version 3 on Program Number 5734-CB1 for System/360 OS.  
 Microfiche
- LYC7-5030  
DOS ANS COBOL COMPILER V3 LISTINGS - PROG. NO. 5736-CB2  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYC7-5031  
DOS FULL ANS COBOL LIBRARY V3, LISTINGS, PROG. NO. 5736-LM2  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYC7-5032  
SYSTEM/360 TIME SHARING OPTION FORTRAN PROMPTER VERSION 7 PROGRAM NUMBER 5734-CP3  
 No abstract available.  
 Microfiche
- LYC7-5033  
IBM M/360 TSO ITF (PL/I), LISTINGS, PROG. NOS. 5734-RC2, RC4  
 No abstract available.  
 Microfiche

- LYC7-5034  
SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION  
INTERACTIVE TERMINAL FACILITY (BASIC ONLY)  
PROGRAM PRODUCT LISTING MICROFICHE - PROGRAM NUMBER 5734-RC4  
 No abstract available.  
 Microfiche
- LYC7-5035  
IBM M/360 TSO ITF (SHARED), LISTINGS PROG. NOS. 5734-RC2, 4  
 No abstract available.  
 Microfiche
- LYC7-5036  
IBM SYSTEM/360/370 CODE AND GO FORTRAN COMPILER - LISTINGS,  
PROG. PROD. 5734-FO1  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYC7-5037  
ASSEMBLER F PROMPTER MICROFICHE LISTING, PROG PROD 5734-CP2  
ASSEMBLER F PROMPTER MICROFICHE LISTING, PROG. PROD. 5734-CP  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement.  
 This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYC7-5038  
IBM SYSTEM/360/370 OS FULL ANS COBOL VERSION 3  
COMPILER AND LIBRARY - LISTINGS, PROG. PROD. 5734-CB1  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYC7-5039  
SYSTEM/360 OPERATING SYSTEM FULL COBOL COMPILER  
VERSION 3/TIME SHARING OPTION COBOL PROMPTER  
PROGRAM NUMBER 5734-CB3  
 No abstract available.  
 Microfiche
- LYC7-5040  
IBM SYSTEM/360 OPERATING SYSTEM - TIME SHARING OPTION  
COBOL PROMPTER - PROGRAM NUMBERS 5734-CP1, 5734-CB3  
 No abstract available.  
 Microfiche
- LYC7-5041  
DOS SUBSET COMPILER & LIBRARY LISTINGS - PROG. NO. 5736-CB1  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYC7-5042  
SYSTEM/360 OPERATING SYSTEM FORTRAN H EXTENDED PLUS  
MICROFICHE - PROGRAM NUMBER 5799-AAW  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYC7-5044  
DOS FORTRAN IV LIBRARY OPT 1, LISTINGS - PROG. NO. 5746-LM3  
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 Microfiche
- LYC7-5045  
OS ANS COBOL COMPILER & LIBRARY LISTINGS, PROG. 5734-CB2  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYC7-5048  
OS VIDEO/370 LISTINGS, PROG. PROD. 5734-RC5  
 No abstract available.  
 A  
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 Microfiche
- LYC7-5049  
DOS VIDEO/370 LISTINGS - PROGRAM PRODUCT 5736-RC3  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LYC7-5050  
DOS/VS COBOL COMPILER PROG. NO. 5746-CB1 LISTINGS  
 One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
 Microfiche
- LY09-0012  
VANDL-1 LOGIC MANUAL - PROG. NO. 5799-AEY  
 A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.  
 Manual, 221 pages
- LY12-5002  
MATRIX SYSTEM MATRIX LOGIC MANUAL - PROGRAM PRODUCT 5734-XM7  
 This manual provides detailed information about the internal logic, the structure, and the implementation of MATSYS.  
 It is subdivided into four parts, according to the major components of MATSYS:  
 o Syntax Checker  
 o Prompter  
 o Compiler  
 o Executor  
 The manual should be used in connection with the appended flowcharts of the MATSYS subprograms and the MATSYS program listings or the MATSYS source statements.  
 In addition, the reader should be familiar with the IBM System/360 and System/370 Operating System.  
 Manual, 420 pages
- LY12-5008  
IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION  
RETRIEVAL SYSTEM (STAIRS), PROGRAM LOGIC MANUAL VOL. I  
NARRATIVES - PROGRAM PRODUCT 5734-XR3  
 The Storage and Information Retrieval System (STAIRS) is a terminal-oriented system that offers the user a variety of resources for data base creation and maintenance, and especially for data-base searching and document output.  
 The purpose of this manual is to provide the user with thorough and detailed information on the logic employed, and to give him a tool for modifications and extensions of the system. This volume of the manual contains detailed descriptions of the STAIRS modules and the system macros. The associated flowcharts are contained in volume II, Form LY12-5013.  
 The reader of this manual should be familiar with data processing, the IBM System/360 or System/370, and the IBM Customer Information Control System.  
 Manual, 504 pages
- LY12-5013  
SYSTEM/360/370 STAIRS: PLM VOLUME II (FLOWCHARTS) - PROGRAM  
NUMBER 5734-XR3  
 This is the second volume of the program logic manual for STAIRS, containing flowcharts.  
 Manual, 200 pages
- LY12-5016  
DATA LANGUAGE/1 DISK OPERATING SYSTEM/VIRTUAL  
STORAGE (DL/1 DOS/VS) LOGIC MANUAL - PROGRAM  
PRODUCT 5746-XX1  
MANUAL  
 Data Language/1 Disk Operating System/Virtual Storage (DL/1 DOS/VS) is a data management control system developed to assist the user in implementing data base processing applications. It provides data organization methods that are conducive to the creation of, access to, and maintenance of large common data bases. In conjunction with the Customer Information Control System (CICS/DOS/VS), DL/1 DOS/VS permits the evolutionary expansion of data processing applications from a batch only environment to a teleprocessing environment.  
 The information in this manual is of interest to persons maintaining and modifying DL/1 DOS/VS.  
 Manual, 332 pages
- LY19-0007  
IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360) FOR PROJECT  
CONTROL SYSTEM/360 LISTINGS MANUAL (PROGRAM NO. 5736-XP2,  
FEATURE CODE 8017)  
 This manual contains compilations/listings for REAL/360.  
 Manual, 410 pages

## LY19-1004

SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT) FOR COBOL AND PL/I, SYSTEM MANUAL

PROGRAM NUMBER 5734-XR2

The Decision Table Translator program accepts decision tables written in a prescribed format and translates the tables into a PL/I or COBOL program.

This manual provides detailed information on the programming logic and includes the flowchart narrative, the programmed switch listing, and the storage allocation. The source program cards and flowcharts are recorded on the optional tape. Complete instructions to print or punch out this material are provided in the Operations Manual. Program Product System Manual, 50 pages

## LY19-1007

SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES (STAF/OS) LOGIC MANUAL - PROGRAM NUMBER 5734-XXB

This manual contains instructions for the preparation of data files, examples of control cards and job control statements, warning and error messages issued by the program, as well as the actions taken when these messages occur.

Manual, 108 pages

## LY19-1009

SYSTEM/360 AND SYSTEM/370 BUDGETS AND PLANS GENERATOR LOGIC MANUAL (BUDDLAN) - PROGRAM PRODUCT 5734-F51

BUDDLAN is an application program that processes corporate models and generates budgets and medium or long-range plans in order to evaluate financially the consequences of management decisions.

This manual provides detailed information concerning the design of the system by describing its various phases and subroutines; flowchart narratives are also included herein. The source listing and the flowcharts are located on the optional tape.

Manual, 108 pages

## LY19-1012

IBM SYSTEM/370 BUDGETS AND PLANS GENERATOR (BUDDLAN) DOS/VS LOGIC MANUAL - PROGRAM PRODUCT 5746-F51

BUDDLAN is an application program that processes corporate models and generates budgets and medium or long range plans to assist the user in financially evaluating the consequences of management decisions.

This manual provides detailed information concerning the design of the system by describing its various phases and subroutines; flowchart narratives are also included. The source listing and the flowcharts are located on the optional tape.

Manual, 130 pages

## LY19-2001

IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (OS AND DOS) PROGRAM LOGIC MANUAL, VOLUME I, NARRATIVE

PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)

The Program Logic Manual of the IBM Vehicle Scheduling Program -- Extended provides detailed information to assist the user in obtaining a more thorough knowledge of the program logic. The manual consists of three parts:

- Vol. I Narrative, contained in the present manual, Form LY19-2001-0,
  - Vol. II Program Flowcharts, Form LY19-2006-0,
  - Vol. III Program Listings, available on microfiche, Form LYA9-2007-0 (OS) and LYA9-2008-0 (DOS).
- Program Logic Manual, 152 pages

## LY19-2006

IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (OS AND DOS) PROGRAM LOGIC MANUAL, VOLUME II, FLOWCHARTS

PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)

The flowcharts in this manual correspond to the program listings in Form LYA9-2007-0 (OS) and LYA9-2008-0 (DOS), and are referenced in those manuals.

Program Logic Manual, 108 pages

## LY19-4000

FORECASTING AND MODELING SYSTEM (FAMS) LOGIC MANUAL PROGRAM NUMBER 5736-XS4 (DOS VERSION), 5734-XS7 (OS VERSION)

This manual is designed for systems programmers to understand the program logic of FAMS. It is designed to be used with the program listings of FAMS. A thorough understanding of FORTRAN IV language is assumed.

Manual, 670 pages

## LY19-5034

SYSTEM/370 APT-BP SYSTEM/370 APT-IC SYSTEM/370 APT-AC LOGIC MANUAL VOLUME 2 - PROG. PROJECT 5740-M51, M52, M53

Design Aid for Postprocessors (DAPP) is a component part of the members of the Automatically Programmed Tool (APT) family of program products listed above.

This manual is a continuation of the separate Logic Manuals published for the three APT programs, and is intended to describe the logic of DAPP routines.

This publication is for postprocessor writers having a working knowledge of IBM FORTRAN IV and a detailed knowledge of the machine-tool/controller combination for which the postprocessor is required.

The user must be aware of the method employed to include his DAPP based postprocessor as part of the APT processor. This method is explained in the publications listed below:

- APT-BP Operations Guide (SH20-1420)
  - APT-IC Operations Guide (SH20-1416)
  - APT-AC Operations Guide (SH20-1413)
- Manual

## LY19-5037

SIMPL/I SIMULATION LANGUAGE BASED ON PL/I LOGIC MANUAL PROGRAM PRODUCT 5734-XXB

This manual presents a detailed description of the programs in the Preprocessor and Run-time Package of SIMPL/I. Manual, 630 pages

## LY19-7000

CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) LOGIC MANUAL - PROGRAM NUMBER 5734-XS9, FEATURE NUMBER 8143

This publication describes the internal logic of the Continuous System Modeling Program III (CSMP III) system. The CSMP III system is a program that provides an application-oriented input language for solving a system of ordinary differential equations. Data input and output and execution control are facilitated by means of application-oriented control statements.

This logic manual is intended for use by persons involved in program maintenance or programmers who are altering the program design, table sizes, or adding user functional elements to the system. Its primary purpose is to serve as a guide to the program listings with which it is to be used.

Program Product Manual, 228 pages

## LY19-7001

CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC FEATURE LOGIC MANUAL - PROGRAM NUMBER 5734-XS9 FEATURE NUMBER 8144

This publication describes the internal logic of the Continuous System Modeling Program III (CSMP III) Graphic Feature. The Graphic Feature extends the simulation capability of the Continuous System Modeling Program III, via the IBM 2250 Display Unit, to an interactive environment especially conducive to the experimental process. In combination, they are referred to in this manual as Graphic CSMP III to convey this interactive capability.

This logic manual is intended for use by persons involved in program maintenance or programmers who are altering the program design, internal table sizes, or adding new functional elements to the system. Its primary purpose is to serve as a guide to the program listings with which it is to be used.

Manual, 268 pages

## GY20-0042

SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2 - SYSTEM MANUAL PROGRAM NUMBER 360A-SE-26X

This manual provides detailed information to help the user gain a more thorough knowledge of the programming logic employed in the program macros. For each macro, it presents a listing and narrative. (248 pages)

Application Program Manual, 248 pages

## GY20-0062

SYSTEM/360 FLOWCHART SYSTEM MANUAL PROGRAM NUMBER 360A-SE-22X

The IBM System/360 Flowchart program is a System/360 program designed to produce flowcharts. This documentation aid operates under DOS/360 and is intended to minimize the planning and effort required to produce and maintain documentation. It gives the user ability to:

1. Produce clear, standardized, easily reproduced computer-generated flowcharts.
2. Keep flowcharts continually up to date.
3. Standardize flowcharting techniques.

This publication is used in conjunction with the System/360 Flowchart optional tape, which contains the source language input, the assembly listings, and the program logic flowcharts. The optional tape is available from the IBM Program Information Department at Hawthorne, New York. One 2400-foot reel of nine-track tape is required.

This publication contains the narrative for the flowcharts, switch and register usage, miscellaneous programming notes, and the internal record formats used by the program.

The User's Manual and the Operator's Manual are prerequisites to reading and using this publication. Application Program Manual, 92 pages

## GY20-0065

MATHEMATICAL PROGRAMMING SYSTEM/360 VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CO-14X

This manual provides detailed information to help the user understand the implementation of MPS/360. It is designed to be used with the program listings and flowcharts of MPS/360.

Application Program Manual, 396 pages

GY20-0067

SYSTEM/360 DATA CONVERSION UTILITIES II, VERSION 2  
(SEQUENTIAL, DIRECT ACCESS) SYSTEM MANUAL  
PROGRAM NUMBER 360A-SE-20X

This manual provides detailed information to help the user gain a more thorough knowledge of the programming logic employed in the program modules, subroutines, and macros.

The manual presents, for each module and subroutine, flowcharts, flowchart narrative, and switch and register listings. For each macro, a listing and macro narrative are provided.

Application Program Manual, 256 pages

GY20-0071

SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING  
CAPABILITY SYSTEM'S MANUAL, PROGRAM NUMBER 360A-FB-16X

This manual contains detailed flowcharts for the online programs and the file preparation programs. Program narratives and descriptions of switches are given in the programmer's manual and are correlated to the flowcharts by cross-references indexes. Restricted distribution.

Application Program Manual, 222 pages

GY20-0075

GENERAL PURPOSE SIMULATION SYSTEM/360 SYSTEM MANUAL  
PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X

This publication contains a description of the internal structure and basic operation of the GPSS/360 program. All eleven modules which make up the GPSS/360 program are discussed in general and, where appropriate, the operation of all routines within a given module is explained in detail.

In general, the material presented throughout this manual is applicable to both the OS and DOS version of the GPSS/360 program. Specific differences are listed and described in Appendix D.

The information contained in this manual should give the user a thorough understanding of the structure and operation of the GPSS/360 program so that HELP block routines or other modifications may be more easily implemented.

Application Program Manual, 408 pages

GY20-0080

SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSION 4: SYSTEM  
MANUAL - FLOWCHARTS, PROG. NO. 360A-CN-10X

The APT PROCESSOR will be implemented using the FORTRAN IV H Language. The Assembler Language will be used when needed for interfacing with OS/360.

The System/360 configurations for APT must include -- Model H.

Manual, 1,042 pages

GY20-0083

PROJECT MANAGEMENT SYSTEM/360 VERSION 2  
NETWORK PROCESSOR SYSTEM MANUAL  
PROGRAM NUMBER 360A-CP-04X

This manual presents a detailed description of subroutines and internal data formats of PMS/360 Network Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.

Application Program Manual, 226 pages

GY20-0084

PROJECT MANAGEMENT SYSTEM/360 VERSION 2  
COST PROCESSOR SYSTEM MANUAL  
PROGRAM NUMBER 360A-CP-04X

This manual presents a detailed description of subroutines and internal data formats of PMS/360 Cost Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.

Application Program Manual, 186 pages

GY20-0085

PROJECT MANAGEMENT SYSTEM VERSION 2, REPORT  
PROCESSOR SYSTEM MANUAL  
PROGRAM NUMBER 360A-CP-04X

This manual presents a detailed description of subroutines and internal data formats of PMS/360 Report Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.

Application Program Manual, 376 pages

GY20-0092

SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE  
VERSION 3: SYSTEM MANUAL, PROG. NO. 360A-CM-03X

This manual provides flowchart information on the logic used in each subroutine of the System/360 Scientific Subroutine Package. All subroutine descriptions and listings are contained in the User's Manual.

Application Program Manual, 254 pages

GY20-0096

SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360  
SYSTEM MANUAL PROGRAM NUMBER 360A-SE-32X

This publication describes the architecture and logic of

the Synchronous Transmit-Receive Access Method for DOS/360. The manual describes the process for generating STR capability into a DOS system, loading the access method and logic. Included are:

SYSGEN and STR loading  
Architecture  
Macro Expansions  
Routine Logic  
STR Error Recovery  
Control Block

Prerequisites are:

1. A basic knowledge of System/360 machine concepts.
2. A basic knowledge of DOS/360.
3. A knowledge of principles of STR transmission.
4. Understanding of the Synchronous Transmit-Receive Access Method User's Manual.

Application Program Manual, 120 pages

GY20-0097

SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360  
SYSTEM MANUAL PROGRAM NUMBER 360A-SE-33X

This publication describes the architecture and logic of the Synchronous Transmit-Receive Access Method for OS/360. The manual describes the process for generating STR capability into an OS system, loading the access method, and logic. Included are:

SYSGEN and STR loading  
Architecture  
Macro Expansions  
Routine Logic  
STR Error Recovery  
Control Block

Prerequisites are:

1. A basic knowledge of System/360 machine concepts.
2. A basic knowledge of OS/360.
3. A knowledge of principles of STR transmission.
4. Understanding of the Synchronous Transmit-Receive Access Method User's Manual.

Application Program Manual, 360 pages

GY20-0099

SYSTEM/360 BILL OF MATERIAL PROCESSOR  
VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-ME-06X

This manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the application.

It contains detailed reference material for the file organization, maintenance, and reorganization program modules.

Manual, 522 pages

GY20-0101

SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX)  
VERSION 3 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-17X

This publication provides the systems programmer with detailed information about the RAX system. It contains flowcharts and descriptions of the routines making up the system.

Application Program Manual, 296 pages

GY20-0105

1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM PROGRAMMER'S  
MANUAL PROGRAM NUMBER 360A-SE-19X

This program is designed to aid in conversion to System/360 COBOL for all 1401, 1410, 1440, 1460 and 7010 users whose current applications are written in Autocoder, by (1) reducing the total effort required in program conversion, (2) freeing manpower of much of the routine reprogramming effort, and (3) eliminating many clerical errors associated with reprogramming.

This manual contains a general description of the program, the machine configuration used, and a sample problem.

Application Program Manual, 50 pages

GY20-0106

1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM OPERATOR'S  
MANUAL PROGRAM NUMBER 360A-SE-19X

This program is designed to aid in conversion to System/360 COBOL for all 1401, 1410, 1440, 1460 and 7010 users whose current applications are written predominately in Autocoder, by (1) reducing the total effort required in program conversion, (2) freeing manpower of much of the routine reprogramming effort, and (3) eliminating many clerical errors associated with reprogramming.

This manual contains the information necessary to run the program. It includes operating instructions, halts and message lists, and storage map.

Application Program Manual, 80 pages

GY20-0111

SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM  
SYSTEM MANUAL PROGRAM NUMBER 360A-CX-16X

This is an IBM System/360 program for the simulation of continuous systems. It provides an application-oriented input language that accepts problems expressed in the form of either an analog block diagram or a system of ordinary differential equations. Data input and output are facilitated by means of application-oriented control statements.

This manual provides detailed information to help the



user gain a thorough knowledge of the program's logic. It contains flowcharts, flowchart narratives, and tables of switches and data used in COMMON. It also includes a section describing the procedures for implementing several program modifications.  
Application Program Manual, 224 pages

GY20-0112

IBM SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL SYSTEMS MANUAL PROGRAM NUMBER 360A-ME-07X  
The program provides manufacturing organizations with easy-to-modify routines that retrieve records or a series of records which have been organized and maintained by the Bill of Material Processor Program (360-ME-06X).  
Six types of retrieval reports are included with this program. They are:  
Single Level Explosion  
Indented Explosion  
Summarized Explosion  
Single Level Implosion  
Indented Implosion  
Summarized Implosion  
This program is designed to run under IBM Basic Operating System/360 or IBM Disk Operating System/360.  
Application Program Bulletin, 60 pages

GY20-0118

S/360 AD-APT/AUTOSPOT NUMERICAL CONTROL PROCESSOR: SYSTEM MANUAL, PROG. NO. 360A-CN-09X  
This program is designed to implement computer preparation of input to machine tool controllers for point-to-point operations and contour milling operations with a fixed cutter axis.  
The AD-APT/AUTOSPOT Processor provides for the first time a single Numerical Control Processor designed to process both point-to-point and contour milling operations on a small computing system. The processor provides every capability included in S/360 AUTOSPOT (360-CN-09X) plus the contouring capabilities of the AD-APT language at no sacrifice in processing speed. The processor is significantly faster than the 1620 AD-APT Processor.  
The processor is written in System/360 Assembly Language and operates under the Disk Operating System.  
Minimum System Requirements for AD-APT -- 2030 Model F.  
Application Program Bulletin

GY20-0119

S/360 AUTOSPOT NUMERICAL CONTROL PROCESSOR: SYSTEM MANUAL, PROG. NO. 360A-CN-08X  
This program is designed to implement computer preparation of input to machine tool controllers for point-to-point operations and simple milling operations. Significant time savings can be realized when this technique is used in place of tedious manual methods.  
The AUTOSPOT Numerical Control Processor is an interpreter for calculating machine tool coordinates required to perform point-to-point and simple milling operations defined in a "part program".  
The processor is written in System/360 Assembly Language and operates under the Disk Operating System.  
Application Program Bulletin, 414 pages

GY20-0124

1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM SYSTEM MANUAL PROGRAM NUMBER 360A-SE-19X  
This Conversion Aid Program is designed to ease the transition to System/360 for all 1401, 1410, 1440, 1460, and 7010 users whose current applications are written predominately in Autocoder and SPS by (1) reducing the effort required in reprogramming, (2) freeing manpower from the reprogramming effort to develop new applications, (3) eliminating many clerical errors associated with reprogramming, and (4) making reystematization of the applications easier, since COBOL language is much easier to modify.  
This manual contains information necessary to understand the workings of the program. Each phase is detailed and sufficient information is provided to allow the user to modify the program functions or its operating environment.  
Application Program Manual, 89 pages

GY20-0126

PROJECT CONTROL SYSTEM/360 VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CP-06X  
This manual describes the routines and subroutines that make up the IBM Project Control System/360. It is divided into the seven logical phases of the system and is intended primarily for the programmer who wishes to gain an understanding of the programming design of the PCS/360. It provides the necessary information for maintaining and modifying the system.  
System Manual, 20 pages

GY20-0143

IBM SYSTEM/360 DOCUMENT PROCESSING SYSTEM SYSTEM MANUAL PROGRAM NUMBER 360A-CX-12X  
This manual represents the information required to maintain or modify the internal logic of the IBM System/360 Document Processing System. Insofar as possible, all agreements, assumptions, and production aids used by the development

programmers are included.  
Application Program Manual, 316 pages

GY20-0153

MEDICAL INFORMATION SYSTEM PROGRAMS (MISP) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 360A-UH-08L  
A hospital must have the ability to respond quickly and accurately to the demands placed upon it. The application of electronic information processing can help provide a solution to the recurring problem of improving service with limited resources.  
The Medical Information System Programs (MISP) represent an application of information-processing equipment to answer this need. MISP is designed to assist in the installation of a teleprocessing system (hospital information system) linking the many different service areas in a hospital where complete and prompt patient care is a requirement. These areas include the nursing station, admitting, pharmacy, clinical laboratories, X ray, electrodiagnostics, dietary, operating room, central supply, and others.  
This manual describes in general the purpose and functions of a hospital information system using MISP.  
Manual, 48 pages

GY20-0154

MEDICAL INFORMATION SYSTEM PROGRAMS (MISP) PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 360A-UH-08L  
This manual contains detailed descriptions of the program in MISP. The data sets and control blocks used by MISP programs are also described.  
Manual, 152 pages

GY20-0157

MEDICAL INFORMATION SYSTEM PROGRAMS (MISP) OPERATIONS MANUAL PROGRAM NUMBER 360A-UH-08L  
The medical information system programs contain general executive modules, utilities, and user interfaces that provide the framework for a teleprocessing system using the Disk Operating System/360.  
This manual describes the procedures necessary for initial preparation and generation of the MISP programs, tables and data sets, inclusion of the user application processing programs, initial loading of the user data sets under MISP, operating procedures for the central system and operation of the terminal devices that are part of a teleprocessing system running under MISP. The generation, inclusion in the system and the terminal operations for a sample processing program under MISP are also described.  
This manual is distributed with the programs to those who are qualified to receive them.  
Manual, 309 pages

GY20-0168

SYSTEM/360 VEHICLE SCHEDULING PROGRAM SCHEDULING PRODUCTION AND DISTANCE LISTING SYSTEM MANUAL PROGRAM NUMBER 360A-ST-06X  
This manual provides detailed information to help the user gain a more thorough knowledge of the programming logic employed in the Schedule Production and Distance Listing phases of the System/360 Vehicle Scheduling Program.  
Application Program Manual, 38 pages

GY20-0174

SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS) SYSTEM MANUAL PROGRAM NUMBER 360A-CX-18X  
This manual contains information on the system design, logic flow, and coding of the ATS/360 Program. It contains narrative which describes the significant programs which make up the system. Program flowcharts and assembly listings, although logically part of this manual, are not included in it. These are available on tape as described elsewhere.  
Application Program Manual, 202 pages

GY20-0204

PROJECT MANAGEMENT SYSTEM/360 FLOWCHART SYSTEM MANUAL PROGRAM NUMBER 360A-CP-04X  
This manual contains the flowcharts for Project Management System/360. It should be used in conjunction with the System Manuals for the Network Processor (GY20-0083), Cost Processor \*GY20-0084, and Report Processor (GY20-0085)  
Application Program Manual, 300 pages

GY20-0205

MARVEL/360 SYSTEM MANUAL PROGRAM NUMBER 360A-CO-15X  
MARVEL is a language processor for the data preparation, matrix generation, output analysis, and management report writing functions associated with the Mathematical Programming System/360 (360A-CO-14X). MARVEL was designed and implemented to provide powerful functional capabilities in this fast-growing area of mathematical programming. In providing such a comprehensive language and processor capability, trade-offs were made that reduced execution speed.  
MARVEL provides maximum customer utility as an input/output system for the development of new linear programming applications. This is an area where extended

function is more significant than high performance. In a production environment where emphasis is on execution speed, MARVEL is less suitable.

This manual gives detailed information concerning the program logic for the purpose of making modifications to or doing maintenance work on the program. It is designed to be used with the program listings of MARVEL/360. Application Program Manual, 226 pages

## GY20-0208

SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 SYSTEM MANUAL  
PROGRAM NUMBER 360A-DP-07X

HYPHENATION/360 provides division of words for text processing applications where the addition of word syllables to a line to meet justification requirements is preferable to forcing the line to end in a complete word. This hyphenation capability is provided in the form of a module that can be linked with a user's System/360 text-processing program or the COMPOSITION/360 module of the IBM System/360 Text Processor.

Through program linkage, HYPHENATION/360 accepts a word from the user's program and determines the division points. The word, with the division points indicated, is returned to the user's program, where the portion to be retained on the line can be selected on the basis of the user's graphic requirements.

This manual provides detailed information to help the user gain a more thorough knowledge of the programming logic and techniques used in each of the component programs. The information includes program narrative, switch and register listings, storage allocation data, and program modification aids. The manual is intended for use chiefly by systems analysts and programmers who may need to alter the component programs or otherwise engage in program maintenance. Application Program Manual, 37 pages

## GY20-0209

SYSTEM/360 1287 INPUT CONVERSION PROGRAM  
SYSTEM MANUAL PROGRAM NUMBER 360A-DR-07X

This program consists of a Transaction Specification Compiler and an Operational Processor. The Compiler processes the statements which describe the format and processing logic to be applied to documents scanned by the IBM 1287 Optical Reader. The output of the Compiler is a program module written in Assembly Language.

The program module is assembled and link-edited with the Operational Processor and existing program modules. The Operational Processor controls the execution of the various program modules and converts the data to a conversion journal, error journal, and correction turnaround documents.

Provision is made for correction of the error journal and updating the conversion journal. Application Program Manual, 42 pages

## GY20-0213

STUDENT SCHEDULING SYSTEM/360 THE SCHEDULER PROGRAM  
(360A-US-07X) SYSTEM MANUAL

This manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the application. It presents, for each phase, flowcharts, flowchart narrative, a list of switches, an index register list, programming notes, and program listings. Application Program Manual, 640 Pages

## GY20-0215

SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) SYSTEM MANUAL  
PROGRAM NUMBER 360A-UH-11X

The Shared Hospital Accounting System (SHAS) provides hospital accounting for a multiple-hospital environment. The participating hospitals utilize the application programs of a central System/360 facility. The application programs include accounts receivable, patient billing, general ledger and system executive and monitor routines.

This manual contains detailed program information useful for program modification, error diagnosis situations, and maintenance performance. The manual contains detailed descriptive information on the logical operation of each program through program flowcharts. Most flowchart narratives are general - more detail has been included for the complicated programs. Labels and symbols, programmed switches, program indicators, register usage, special techniques, program modification notes, and service subprogram usage are defined for each system program.

A chart indicating storage allocation of core storage required by each program has been included as an appendix. Data listings included are examples which might be used by a typical SHAS user. Data shown has been used to load the files and run the sample problem. The data includes label books, function books, hospital profile load data, edit specifications, sample problem data, and control cards.

This document is written as a reference manual. Before using this manual the reader should be thoroughly familiar with the following manuals: SHARED HOSPITAL ACCOUNTING System Application Description manual (GH20-0302), Shared Hospital Accounting System Program Description manual (GH20-0533), and SHARED HOSPITAL ACCOUNTING SYSTEM OPERATIONS manual (GH20-0534) Manual, 403 pages

## GY20-0227

SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR  
VERSION 4 SYSTEM MANUAL - FLOWCHARTS  
PROGRAM NUMBER 360A-CN-10X

This manual consists entirely of flowcharts for the subject program. Manual, 304 pages

## GY20-0230

SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY SYSTEM MANUAL  
PROG. NOS. 360A-DW-05X (ABOVE MOD 20), 360V-DW-06X (MOD 20)  
PROGRAM NUMBER 360A-MF-04X

The System Manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the application. This manual presents, for each run, general description, flowcharts, flowchart narrative, programming notes, and a switch and register listing. For each operating system with which the IMPACT Program can be run, there is an Input/Output Section listing, Control Systems Macro listing, core storage requirements, and storage maps. System Manual, 480 pages

## GY20-0256

SYSTEM/360 INVENTORY CONTROL SYSTEM MANUAL  
PROGRAM NUMBER 360A-MF-04X

System/360 Inventory Control consists of nine programs especially designed for implementing order point inventory control in manufacturing organizations.

This manual provides detailed information to assist the user in obtaining a more thorough knowledge of the program logic employed in the programs.

The manual includes program flowcharts and flowchart narratives in addition to information regarding switches, labels, symbols, and register assignment. System Manual, 125 pages

## GY20-0261

SYSTEM/360 MATRIX LANGUAGE (MATLAN)  
SYSTEM MANUAL PROGRAM NUMBER 360A-CM-05X

This manual provides detailed information about the structure and the implementation of MATLAN. It should be read in connection with the program listings and the flowcharts of the MATLAN subroutines. Application Program Manual, 832 pages

## GY20-0263

SYSTEM/360 DECISION LOGIC TRANSLATOR SYSTEM MANUAL  
PROGRAM NUMBER 360A-CX-32X

This manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the application. The System Manual is optional information available to the user and includes the flowchart narrative, the programmed switch listing, the storage allocation, etc. Other material consists of the source program, the assembly listing, and the flowcharts, recorded on the optional tape. System Manual, 23 pages

## GY20-0267

SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR  
(360A-CN-12X) SYSTEM MANUAL

This manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the application. System Manual, 596 pages

## GY20-0294

MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR  
(MPSRG) SYSTEM MANUAL PROGRAM NUMBER 360A-CO-20X

This manual provides detailed information to help the user understand the organization and structure of MPS/360 Report Generator. It is designed to be used with the program listing of MPS/360 Report Generator. Application Program Manual, 92 pages

## GY20-0305

IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR  
SYSTEM (ASP) VERSION 2 SYSTEM MANUAL PROGRAM NUMBER  
360A-CX-15X

The Attached Support Processor (ASP) system is an operating system that provides a compatible extension to Operating System/360 (OS/360). Designed primarily for the commercial and scientific customer with a computer job shop environment, ASP provides for increased automation of the computing operation. The ASP system operates as a programmed operator of OS/360, providing an operational interface for controlling the system job stream, and thus optimizing the use of the computer's resources.

This manual is intended primarily for the use of the system programmer at an installation. It contains a detailed description of each of the programs that constitute the ASP system and flowcharts of the programs (Appendix A). The material in this manual has been prepared on the assumption that the programmer is thoroughly familiar with the ASP Application Programmer's Manual (GH20-0322), the ASP System Programmer's Manual (GH20-0323), and the ASP Console Operator's Manual (GH20-0321). Manual, 336 pages

GY20-0316

RIGID FRAME SELECTION PROGRAM (RFSP): SYSTEM MANUAL VOLUME 1  
PROG. NOS. 1130-EC-09X, 5734-EC1, 5736-EC1

This manual is intended to serve as a programmer's guide to RFSP. Flowcharts and flowchart narratives are given for all modules. The flowcharts are written in a descriptive fashion and are intended to provide a cross-reference between the program functions and pertinent material in the RFSP PROGRAM DESCRIPTION AND OPERATIONS manual (GH20-0580). A comprehensive array of tables is included to describe the PLAN (Problem Language Analyzer) Dictionary used by RFSP. This manual presumes a knowledge of the 1130 RFSP and PLAN Program Description Manuals, the FORTRAN language and the 1130 Monitor System.

Volume 2 of the rigid frame selection program system manual has a separate form number (Y20-0366) and contains the Assembly Listings for the program.  
System Manual, Volume 1, 425 pages

GY20-0317

SYSTEM/360 REQUIREMENTS PLANNING  
SYSTEM MANUAL PROGRAM NUMBER 360A-MF-05X

The IBM System/360 Requirements Planning programs are used to generate material requirements for finished products, assemblies, subassemblies, parts, and raw materials based upon an input of a forecast and/or orders. System/360 Requirements Planning consists of two programs: Requirements Generation Program and Print Exception Program. Requirements Generation performs the generation of requirements, utilizing time series planning to determine gross requirements, determine net requirements, plan orders, determine offset, and post components gross requirements. Print Exception prints and notices for the exceptions discovered during the requirements generation run.

This manual includes program flowcharts and flowchart narratives, in addition to information regarding switches, labels, symbols, and register assignment.  
Manual, 424 pages

GY20-0318

SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360  
VOLUME I - FLOWCHART NARRATIVES SYSTEM MANUAL  
PROGRAM NUMBER 360A-DP-08X

The COMPOSITION/360 component of the IBM System/360 Text Processor consists of control and functional routines which retrieve text from a user-prepared disk-resident file, justify and format text according to instructions supplied with the text, and produce generalized disk output records. The user must provide routines to retrieve this generalized information, convert it into coding acceptable to the specific composition device on which final printing will occur and write it to the appropriate systems output device. If word division capabilities are required, COMPOSITION/360 uses the HYPHENATION/360 component of the System/360 Text Processor (360A-DP-07X).

The two-volume System Manual provides detailed information to assist the user in acquiring a thorough knowledge of the programming logic and techniques used in each of the COMPOSITION/360 components.

This manual is intended for use chiefly by systems analysts and programmers who may need to alter or maintain the program. The Program Description Manual and Operations Manual are prerequisites to reading and using this publication.

Volume I of the System Manual contains storage allocation data, flowchart narratives, switch and register lists, and program modification aids. The COMPOSITION/360 program logic flowcharts are contained in Volume II.  
Application Program Manual, 199 pages

GY20-0319

SYSTEM/360 TEXT PROCESSOR -- COMPOSITION/360  
VOLUME II -- FLOWCHARTS SYSTEM MANUAL  
PROGRAM NUMBER 360A-DP-08X

The COMPOSITION/360 component of the IBM System/360 Text Processor consists of control and functional routines which retrieve text from a user-prepared disk-resident file, justify and format text according to instructions supplied with the text, and produce generalized disk output records. The user must provide routines to retrieve this generalized information, convert it into coding acceptable to the specific composition device on which final printing will occur, and write it to the appropriate systems output device. If word division capabilities are required, COMPOSITION/360 uses the HYPHENATION/360 component of the System/360 Text Processor (360A-DP-07X).

The two-volume System Manual provides detailed information to assist the user in acquiring a thorough knowledge of the programming logic and techniques used in each of the COMPOSITION/360 components.

This manual is intended for use chiefly by systems analysts and programmers who may need to alter or maintain the program. The Program Description Manual and Operations Manual are prerequisites to reading and using this publication.

This manual contains the program logic flowcharts for COMPOSITION/360. Storage allocation data, flowchart narratives, switch and register lists, and program modification aids are contained in Volume I.  
Application Program Manual, 189 Pages

GY20-0320

IBM SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS)  
SYSTEM MANUAL PROGRAM NUMBER 360A-CX-19X

This manual contains information on the system design, logic flow, and coding of the ATS/360 Program. It contains narrative which describes the significant programs which make up the system. Program flowcharts and program listings, although logically part of the material discussed in this manual, are not included in it. These items are available as optional material on tape, distributed by the Program Information Department.  
Application Program Manual, 196 pages

GY20-0345

SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS/OS)  
VOLUME I - FLOWCHART NARRATIVES SYSTEM MANUAL  
PROGRAM NUMBERS 360A-CX-26X, 360A-CX-27X

This manual contains detailed information in the form of flowchart narratives for the DOS/360 PLAN and OS/360 PLAN systems. With this the user should gain a better understanding of the logic of the system.  
Application Program Manual, 120 pages

GY20-0346

SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS/OS)  
VOLUME II - FLOWCHARTS SYSTEM MANUAL  
PROGRAM NUMBERS 360A-CX-26X, 360A-CX-27X

This manual contains detailed flowcharts showing the internal logic of the OS and DOS 360 Problem Language Analyzer (PLAN). It is intended to assist systems programmers and field engineers in obtaining a fuller understanding of the logic and programming aspects of the PLAN system.  
System Manual, 200 pages

GY20-0350

SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS)  
VOLUME III - ASSEMBLY LISTINGS SYSTEM MANUAL  
PROGRAM NUMBER 360A-CX-26X

This manual provides assembly and compilation listings for the DOS PLAN system.  
Manual, 650 pages

GY20-0353

MATHEMATICAL PROGRAMMING SYSTEM/360 VERSION 2  
FLOWCHART SYSTEM MANUAL  
PROGRAM NUMBER 360A-CO-14X

This manual contains the flowcharts for the Mathematical Programming System/360. It should be used in conjunction with the system manual (GY20-0065) and the assembly listings.  
Application Program Manual, 330 pages

GY20-0357

SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR  
VERSION 4 ASSEMBLY LISTINGS: SYSTEM MANUAL  
PROGRAM NUMBER 360A-CN-10X

This manual contains the listings for the subject program.  
Microfiche, 126 cards

GY20-0364

SYSTEM/360 PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II)  
(OS) SYSTEM MANUAL-ASSEMBLY LISTINGS  
PROGRAM NUMBER 360A-EO-15X

This manual contains the compile listings for OS/360 POSD/II. Refer to GY20-0312 for the flowcharts and narratives.  
System Manual Assembly Listings, 200 pages

GY20-0365

SYSTEM/360 PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II)  
(DOS) SYSTEM MANUAL-ASSEMBLY LISTINGS  
PROGRAM NUMBER 360A-EO-16X

This manual contains the compile listings for DOS/360 POSD/II. Refer to GY20-0312 for the flowcharts and narratives.  
System Manual Assembly Listings, 200 pages

LY20-0369

CUSTOMER INFORMATION CONTROL SYSTEM OS-STANDARD (CICS/OS)  
(5736-U11), SYSTEM MANUAL, FEATURE CODE 8805

The IBM Customer Information Control System OS-STANDARD (CICS/OS) is designed to assist customers in the installation of an on-line information system. CICS/OS is a modularly designed program to be used as an interface between the user-written application program and IBM System/360 Operating System (OS/360). The facilities of CICS/OS are obtained through the use of the control system macros in a user-written application program. The purpose of this manual is to give the user a thorough understanding of the logic employed in each module.

This manual contains detailed program flowcharts, flowchart narrative, control area and control table formats and functions, storage requirements, register considerations, special programming techniques and information concerning program modification.  
Manual, 320 pages

GY20-0372

COURSEWRITER III FOR SYSTEM/360 VERSION 2 SYSTEM PROGRAMMER'S GUIDE PROGRAM NUMBER 360A-UX-01X

This publication provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the application. System generation is included together with other related information. Flowcharts and subroutine descriptions are not in this publication (see "Optional Machine Readable Information" in the Application Directory).  
System Programmer's Guide, 50 pages

flowchart narratives, input/output formats, program modification aids, and tables and descriptions are included.  
Manual, 96 pages

LY20-0418

ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 FINANCIAL VALUE PROGRAM SYSTEM MANUAL (PROGRAM NUMBER: 5736-N11) (FEATURE CODE 8812)

This manual provides detailed information to help the user understand program logic. It describes the processing of financial value extracts that are output from the policy master record file inventory program, appropriate flowcharts, flowchart narratives, input/output formats and descriptions, and program modification aids.  
Manual, 40 pages

GY20-0394

PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS) SYSTEM MANUAL PROGRAM NUMBER 360A-CX-34X

This manual provides detailed information to assist the user in achieving thorough knowledge of the programming logic employed by the system. This information is intended for system programmers for program maintenance and for system analysts to alter system design.

The manual includes system description, system program module functions, program flowcharts, and their narratives.  
Application Program Manual, 162 pages

LY20-0419

ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 VALUATION SUMMARY PROGRAM SYSTEM MANUAL (PROGRAM NUMBER 5736-N11) (FEATURE CODE 8813)

This manual provides detailed information to help the user understand the program logic. It describes the processing of valuation summary extracts that are output from the policy master record file inventory program and the update and printing of the valuation summary file. Appropriate flowcharts, flowchart narratives, input/output formats and descriptions, program modification aids, and considerations in creating the valuation summary file are included.  
Manual, 66 pages

GY20-0405

LINEAR PROGRAMMING SYSTEM/360 (LPS/360) SYSTEM MANUAL PROGRAM NUMBER 360A-CO-18X

This system manual describes the Linear Programming System/360 for use on the IBM System/360 running under DOS. Chapter 1 gives a general introduction to the manual, Chapters 2-5 provide details on the system structure, Chapters 6-8 describe programming conventions, and Chapters 9-14 give pertinent reference material.  
Application Program Manual, 538 pages

LY20-0420

ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 POLICY EXHIBIT BALANCE PROGRAM SYSTEM MANUAL PROGRAM NUMBER 5736-N11

This manual provides detailed information to help the user understand program logic. It describes the processing of policy exhibit extracts that are output from the policy master record file inventory program and the updating of the policy exhibit disk file. Appropriate flowcharts, flowchart narratives, input/output formats and descriptions, program modification aids, and considerations in creating the policy exhibit file are included.  
Manual, 40 pages

LY20-0406

SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - OS SYSTEM MANUAL, PROG. NO. 5736-P72, FEATURE NO. 8101

The Array Processing Subroutine Package is a set of subroutines designed to enhance and simplify the use of the IBM 2938 Array Processor and to provide a series of analytical methods for use in digital signal analysis.

The manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the subroutines. The manual contains flowcharts, flowchart narrative, and program listings.  
Program Product Manual, 84 pages

LY20-0421

ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 POLICY EXHIBIT AND VALUATION INCLUDE (R) AND CALL (S) ROUTINES SYSTEM MANUAL PROGRAM NUMBER 5736-N11

This manual provides detailed information to help the user understand program logic. It includes a general description of the policy exhibit and valuation include (R) and call (S) routines except those call (S) routines that are file maintenance. Refer to the FILE MAINTENANCE CALL (S) ROUTINE (NARRATIVES) SYSTEM MANUAL and the FILE MAINTENANCE CALL (S) ROUTINES (FLOWCHARTS) SYSTEM MANUAL for a detailed description of the latter routines.  
Manual, 296 pages

LY20-0407

SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - PS SYSTEM MANUAL PROGRAM NUMBER 5736-P71 FEATURE CODE 8101

The Array Processing Subroutine Package is a set of subroutines designed to enhance and simplify the use of the IBM 2938 Array Processor and to provide a series of analytical methods for use in digital signal analysis.

The manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the subroutines. The manual contains flowcharts, flowchart narrative, and program listings.  
Manual, 148 pages

LY20-0422

SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM MANUAL VOLUME 1 PROGRAM NUMBER 5736-CX1 FEATURE CODE 8801

This three-volume manual outlines and details the internal logic of the System/360 Generalized Information System (Basic) for the benefit of programmers attempting to revise and/or maintain the system. The organization of the manual reflects the system's design structure of interfacing program units. As applicable, the manual includes diagnostic comments to assist in isolating faulty operation, and contains modification aids to assist in making minor changes to the system.  
Program Product Manual, 220 pages

LY20-0415

ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 POLICY EXHIBIT UPDATE PROGRAM SYSTEM MANUAL PROGRAM NUMBER 5736-N11

This manual provides detailed information to help the user understand program logic. It describes the processing of policy exhibit/valuation extracts that are output from the output analysis run and the updating of the policy exhibit disk file. Appropriate flowcharts, flowchart narratives, input/output formats and descriptions, program modification aids, and considerations in creating the policy exhibit file are included.  
Manual, 102 pages

LY20-0423

SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM GENERALIZED INFORMATION SYSTEM SYSTEM MANUAL VOLUME II PROGRAM NUMBER 5736-CX1 FEATURE CODE 8803

This three-volume manual outlines and details the internal logic of the System/360 Generalized Information System (Basic) and the System/360 Generalized Information System for the benefit of programmers attempting to revise and/or maintain the system. The organization of the manual reflects the system's design structure of interfacing program units. As applicable, the manual includes diagnostic comments to assist in isolating faulty operation, and contains modification aids to assist in making minor changes to the system.  
Manual, 550 pages

LY20-0416

ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 VALUATION UPDATE PROGRAM SYSTEM MANUAL PROGRAM NUMBER 5736-N11

This manual provides detailed information to help the user understand program logic. It describes the processing of the policy exhibit/valuation extracts that are output from the policy exhibit update run and the updating of the valuation summary disk file. Appropriate flowcharts, flowchart narratives, input/output formats and descriptions, and program modification aids are included.  
Manual, 54 pages

LY20-0424

SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM MANUAL VOLUME III PROGRAM NUMBER 5736-CX1

This manual outlines and details internal logic for the benefit of programmers attempting to revise and/or maintain the system. The organization of the manual reflects the system's design structure of interfacing program units. As applicable, the manual includes diagnostic comments to assist in isolating faulty operation, and contains modification aids to assist in making minor changes to the

LY20-0417

ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 POLICY MASTER RECORD FILE INVENTORY PROGRAM SYSTEM MANUAL (PROGRAM NUMBER: 5736-N11) (FEATURE CODE: 8811)

This manual provides detailed information to help the user understand program logic. It describes the processing of policy master records that are output from the policy master record merge program. Appropriate flowcharts,

system.  
Program Product Manual, 530 pages

LY20-0425

SYSTEM/360 GENERALIZED INFORMATION SYSTEM  
SYSTEM MANUAL VOLUME 1  
PROGRAM NUMBER 5736-CX1 FEATURE CODE 8802  
This three-volume manual outlines and details the internal logic of the System/360 Generalized Information System for the benefit of programmers attempting to revise and/or maintain the system. The organization of the manual reflects the system's design structure of interfacing program units. As applicable, the manual includes diagnostic comments to assist in isolating faulty operation, and contains modification aids to assist in making minor changes to the system.  
Program Product Manual, 236 pages

LY20-0431

INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360  
SYSTEM MANUAL VOLUME I - PROGRAM LOGIC  
PROGRAM NUMBER 5736-CX3 FEATURE CODE 8801  
The Information Management System/360 is an Operating System/360 processing designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.  
This manual includes a description of each module comprising the IMS/360 program. It also contains information on macros used, interfaces and module sizes, record and message formats, error codes and handling, and abends. Flowcharts are contained in Volume II. Volume III contains the listings of the IMS/360 programs, furnished as microfiche.  
Licensed Program Product Manual, 484 pages

LY20-0432

INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360  
SYSTEM MANUAL VOLUME II - FLOWCHARTS  
PROGRAM NUMBER 5736-CX3 FEATURE CODE 8802  
This manual contains flowcharts for the subject program.  
Licensed Program Product Manual, 180 pages

LY20-0455

GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD)  
SYSTEM MANUAL - VOLUME I  
PROGRAM NUMBER 5734-XX2 FEATURE CODE 8101  
This manual contains the program flowcharts and narratives, core storage requirements, panel listings, and phrase listings for the GATD program.  
The program listings for GATD will be found in Volume 2 of the GATD System Manual (GY20-0465) on microfiche cards.  
Manual, 152 pages

LY20-0456

PROJECT MANAGEMENT SYSTEM/360: VERSION 3,  
RESOURCE ALLOCATION PROCESSOR SYSTEM MANUAL  
PROGRAM NUMBER 5734-XP1 FEATURE CODE 8104  
This manual presents a detailed description of subroutines and internal data formats of PMS/360 Resource Allocation Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.  
Systems Reference Library Manual, 90 pages

LY20-0457

PROJECT MANAGEMENT SYSTEM/360 VERSION 3 NETWORK PROCESSOR  
SYSTEM MANUAL, PROGRAM NUMBER: 5734-XP1  
FEATURE CODE: 8101  
This manual presents a detailed description of subroutines and internal data formats of PMS/360 Network Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.  
Licensed Program Product manual, 148 pages

LY20-0459

PROJECT MANAGEMENT SYSTEM/360: VERSION 3, COST PROCESSOR -  
SYSTEM MANUAL  
PROGRAM NUMBER 5734-XP1 FEATURE CODE 8102  
This manual presents a detailed description of subroutines and internal data formats of PMS/360 Cost Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.  
Systems Reference Library Manual, 88 pages

LY20-0460

PROJECT MANAGEMENT SYSTEM/360 VERSION 3 FLOWCHART SYSTEM  
MANUAL PROGRAM NUMBER: 5734-XP1 FEATURE CODE: 8105  
This manual contains the flowcharts for Project Management System/360. It should be used in conjunction with the System Manuals for the Network Processor, Cost Processor, Report Processor, and Resource Allocation Processor.  
Licensed Program Product Manual, 428 pages

LY20-0461

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)  
HOMEOWNERS PREMIUM PROCESSING PROGRAM DESCRIPTION  
AND SYSTEM MANUAL, PROG. NO. 5736-N21 FEATURE NO. 8001  
This manual provides a description of the functions and logic of the homeowners portion of the Property and Liability Information System (PALIS). Homeowner logic will rate and/or process new business, renewals and endorsements.  
The contents of this manual include: a description of the homeowners master record and its format; a process executive catalog showing the interrelationship of individual modular programs in the processing of a given insurance function; and a module catalog containing abstracts, format requirements, process executive information, programming notes, communication information, and codes for each individual modular program.  
Program Product Documentation, 172 pages

LY20-0462

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)  
HOMEOWNERS CLAIMS PROCESSING PROGRAM DESCRIPTION AND  
SYSTEM MANUAL  
PROGRAM NUMBER 5736-N21 FEATURE CODE 8002  
The purpose of this manual is to describe the Property and Liability Information System insurance logic programs designed to maintain claim information on the homeowners policies supported by the Multi-Line Insurance Rating Bureau plan.  
The contents of this manual include: a description of the homeowners master record and its format; a process executive catalog showing the interrelationship of individual modular programs in the processing of a given insurance function; and a module catalog containing abstracts, format requirements, process executive information, programming notes, communication information, and codes for each individual modular program.  
Manual, 40 pages

LY20-0467

PROJECT MANAGEMENT SYSTEM/360 VERSION 3: REPORT PROCESSOR  
SYSTEM MANUAL  
PROGRAM NUMBER 5734-XP1 FEATURE CODE 8101  
This is a detailed description of subroutines and internal data formats of PMS/360, Version 3, Report Processor. In conjunction with the program listings and flow charts, it provides the user with a complete description of how this processor is implemented.  
Licensed Program Product Manual, 376 pages

LY20-0473

RIGID FRAME SELECTION PROGRAM (RFSP) VOLUME 3 - COMPILATION  
LISTINGS SYSTEM MANUAL  
PROGRAM NUMBER 5734-EC1 FEATURE CODE 8501  
This manual provides the OS/360 compilation listings for the Rigid Frame Selection Program. The flowcharts and narratives for this program will be found in the RIGID FRAME SELECTION PROGRAM (RFSP), SYSTEM MANUAL - VOLUME 1 (GY20-0316).  
System Manual, 308 pages

LY20-0474

RIGID FRAME SELECTION PROGRAM (RFSP) VOLUME 4 -  
COMPILATION LISTINGS SYSTEM MANUAL  
PROGRAM NUMBER 5736-EC1 FEATURE CODE 8501  
This manual provides the DCS/360 compilation listings for the Rigid Frame Selection Program. The flowcharts and narratives for this program will be found in the RIGID FRAME SELECTION PROGRAM (RFSP), SYSTEM MANUAL - VOLUME 1 (GY20-0316).  
System Manual, 312 pages

LY20-0475

GENERAL PURPOSE SIMULATION SYSTEM/360 OS: VERSION 2 -  
SYSTEM MANUAL PROGRAM NUMBER 5734-XS1 FEATURE CODE 8151  
This publication contains a description of the internal structure and basic operation of the GPSS/360 program. All eleven modules which make up the GPSS/360 program are discussed in general and, where appropriate, the operation of all routines within a given module is explained in detail.

The information contained in this manual should give the user a thorough understanding of the structure and operation of the GPSS/360 program so that modification may be more easily designed and implemented.  
Systems Reference Library Manual, 646 pages

LY20-0479

LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMRAS)  
SYSTEM MANUAL VOLUME I  
(PROGRAM NUMBER 5736-G21 FEATURE CODE 8400)  
No abstract available.  
System Manual, 228 pages

LY20-0480

SHAS COMPATIBLE TELEPROCESSING SUPPORT FOR 2780, 2740, AND  
1050 TERMINALS SYSTEM REFERENCE MANUAL  
PROGRAM PRODUCT 5736-H13, FEATURE CODE 8000  
The IBM SHAS Compatible Teleprocessing Support for 2780, 2740, and 1050 Terminals under DOS QTAM extends the device

support available under the SHAS (Shared Hospital Accounting Systems) teleprocessing executive to include IBM 2780, IBM 2740, and IBM 1050 Terminals, singly or in combination. Prerequisite programs include SHAS (360A-UH-11X) (at Version 2, Modification Level 0 or higher) and DOS QTAM (360N-CQ-470). Prerequisite publications include:

SHAS Application Description Manual (H20-0302)  
SHAS Program Description Manual (H20-0533)  
SHAS Operations Manual (H20-0534)  
SHAS Teleprocessing Operations Manual (H20-0550)  
SHAS Application System Manual (Y20-0215)  
SHAS Teleprocessing System Manual (Y20-0251)

This manual is written for individuals with a thorough understanding of DOS, System/360 Assembler Language, DOS QTAM, and SHAS. It contains operations, program description, and systems material.  
Manual, 80 pages

LY20-0483

GENERAL PURPOSE SIMULATION SYSTEM/360 DOS VERSION 2 SYSTEM MANUAL

PROGRAM NUMBER 5736-XS1 FEATURE CODE 8101

This publication contains a description of the internal structure and basic operation of the GPSS/360 program. All eleven modules which make up the GPSS/360 program are discussed in general and, where appropriate, the operation of all routines within a given module is explained in detail.

The information contained in this manual should give the user a thorough understanding of the structure and operation of the GPSS/360 program so that modifications may be more easily designed and implemented.  
Manual, 646 pages

LY20-0489

SYSTEM/360 TEXT PROCESSOR -- EDIT/360 (DOS) SYSTEM MANUAL VOLUME I - FLOWCHART NARRATIVES

PROGRAM NUMBER 5736-K11

The two-volume System Manual provides detailed information to assist the user in acquiring a thorough knowledge of the programming logic and techniques used in each of the EDIT/360 components.

This manual is intended for use chiefly by systems analysts and programmers who may need to alter or maintain the program. The Program Description Manual and Operations Manual are prerequisites to reading and using this publication.

Volume I of the System Manual contains storage allocation data, flowchart narratives, switch and register lists, and program modification aids. The EDIT/360 program logic flowcharts are contained in Volume II.  
Program Product Publication, 272 pages

LY20-0490

SYSTEM/360 TEXT PROCESSOR -- EDIT/360 (DOS) SYSTEM MANUAL VOLUME II - FLOWCHARTS PROGRAM NUMBER 5736-K11

The two-volume System Manual provides detailed information to assist the user in acquiring a thorough knowledge of the programming logic and techniques used in each of the EDIT/360 components.

This manual is intended for use chiefly by systems analysts and programmers who may need to alter or maintain the program. The Program Description Manual and Operations Manual are prerequisites to reading and using this publication.

This manual contains the program logic flowcharts for EDIT/360. Storage allocation data, flowcharts for EDIT/360. Storage allocation data, flowchart narratives, switch and register lists, and program modification aids are contained in Volume I.  
Program Product Publication, 540 pages

LY20-0495

COURSEWRITER III FOR SYSTEM/360 (OS) VERSION 2 PROGRAMMER'S GUIDE

PROGRAM NUMBER 5734-E12 FEATURE CODE 8000

This publication provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic used in the application. Flowcharts and subroutine descriptions are not in this publication (see Application Directory).  
Programmer's Guide, 68 pages

LY20-0496

SYSTEM/360 ORDER ALLOCATION SYSTEM SYSTEM MANUAL PROGRAM NUMBER 5736-D41

This manual will assist the user in understanding the system and act as an aid in modifying the system components. It consists of the program flowchart and the program source listing for each of the Order Allocation System modules. The flowcharts provide a semidetailed, visual tool that shows the logical sequence of operations performed by the program. Flowchart narratives are provided for the allocation and shipping programs, as these programs are the heart of the Order Allocation System and use the most complex coding techniques.

The appendix to this manual contains cross-reference charts. These charts aid in understanding the Order Allocation System and its information flow.  
Program Product, System Manual, 265 pages

GY20-0504

IBM SYSTEM/360 CONVERSATIONAL PROGRAMMING SYSTEM (CPS): PROGRAM LOGIC MANUAL

PROGRAM NUMBER 360D-03.4.016

This publication describes the internal logic of the Conversational Programming System (CPS).  
Bulletin, type 3, class A, 254 pages

LY20-0509

IBM SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM SYSTEM MANUAL PROGRAM NUMBER 5734-XX8 FEATURE CODE 8053

This manual contains information on the design, logic flow, and coding of the OS LEARN ATS program. It describes the macros and programs that make up the system and includes program flowcharts of the new application programs to be incorporated into the existing Administrative Terminal System.

Program Product Manual, 32 pages

LY20-0510

IBM SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM SYSTEM MANUAL PROGRAM NUMBER 5736-XX3 FEATURE CODE 8054

This manual contains information on the design, logic flow, and coding of the DOS LEARN ATS program. It describes the macros and programs that make up the system and includes program flowcharts of the new application programs to be incorporated into the existing Administrative Terminal System.

Program Product Manual, 32 pages

LY20-0528

OS/360 INVENTORY CONTROL SYSTEM MANUAL PROGRAM NUMBER 5736-M52 FEATURE CODE 8011

OS/360 Inventory Control consists of seven programs specially designed for implementing order point inventory control in manufacturing organizations.

This manual provides detailed information to assist the user in obtaining a more thorough knowledge of the program logic employed in the programs.

The manual includes program flowcharts and flowchart narratives, in addition to information regarding switches, labels, symbols, and register assignment.  
Program Product Manual, 108 pages

GY20-0530

CALL-OS BASIC, SYSTEM MANUAL, PROG. NO. 360A-CX-44X

This manual provides detailed information on the routines which make up the BASIC compiler for CALL/360-OS. These routines are used to compile and execute a BASIC source program. This manual can be used to locate specific areas of the program, and it enables the corresponding program listings.

Application Program Bulletin, 552 pages

GY20-0531

CALL/360-OS FORTRAN SYSTEM MANUAL, PROG. NO. 360A-CX-46X

This publication describes the internal logic of the CALL/360-OS FORTRAN Compiler which transforms source statements written in the CALL/360-OS FORTRAN language into object programs for immediate execution. The manual is intended primarily for use by IBM personnel involved in program design and maintenance; it is not required for normal use or operation of the program described.

The systems manual begins with a comprehensive survey of the CALL/360-OS FORTRAN Compiler which defines the compiler and its relationship to the CALL/360-OS time-sharing system. The overall method of compiler operation is then treated, followed by a detailed discussion of the segmentation of the compiler into a translation and code generation phase (Phase I), a linking loader phase (Phase II), and an execution phase (Phase III). For convenience, logical flowcharts of most complex compiler operations are in a separate section. Additional material covering the POP macro programming language, routine directory, lists and tables, intermediate code, SVC and register usage, and diagnostic messages is provided in an appendix.  
System Manual, 344 pages

LY20-0535

SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING SYSTEM MANUAL PROGRAM NUMBER 5736-M11 FEATURE CODE 8021

System/360 Capacity Planning consists of programs designed to plan the capacity required for a production plan, and to schedule orders based on available production facilities.

Its main application area is in job shops where production facilities are used intermittently to perform production or assembly operations on different items.

This manual provides detailed information to assist the user in obtaining a more thorough knowledge of the logic employed in the programs. It contains information on the system design, logic flow, and coding of the programs. It is intended chiefly for system programmers and system engineers.  
Program Product Manual, 92 pages

LY20-0536

SYSTEM/360 CAPACITY PLANNING-FINITE LOADING SYSTEM MANUAL PROGRAM NUMBER 5736-M12 FEATURE CODE 8022

System/360 Capacity Planning consists of programs designed

to plan the capacity required for a production plan, and to schedule orders on the basis of available production facilities.

Its main application area is in job shops where production facilities are used intermittently to perform production or assembly operations on different items.

This manual provides detailed information to assist the user in obtaining a more thorough knowledge of the logic employed in the programs. It contains information on the system design, logic flow, and coding of the programs and is intended chiefly for system programmers and system engineers.  
Program Product Manual, 236 pages

LY20-0537

SYSTEM/360 REQUIREMENTS PLANNING INTERFACE SYSTEM MANUAL  
PROGRAM NUMBER 5736-M13

System/360 Requirements Planning Interface is a program product which, when added to System/360 Requirements Planning (360A-MF-05X), provides the ability to generate connection records. The connection file is required by System/360 Capacity Planning--Finite Loading (5736-M12).

This manual includes flowcharts, flowchart narratives, and listings of the macros that constitute the program product.

The information in this manual is intended for use by system programmers in conjunction with SYSTEM/360 REQUIREMENTS PLANNING, SYSTEM MANUAL (GY20-0317).  
Manual, 20 pages

LY20-0543

OS/360 REQUIREMENTS PLANNING SYSTEM MANUAL  
PROGRAM NUMBER 5734-M51

The OS/360 Requirements Planning programs are used to generate material requirements for finished products, assemblies, subassemblies, parts, and raw materials based upon an input of a forecast and/or orders. OS/360 Requirements Planning consists of three components: requirements generation program, print exception program, and chained file management system. The requirements generation program performs the generation of requirements, utilizing time series planning to determine net requirements, plan orders, determine offset, and post component gross requirements. The print exception program prints the notices for the exceptions discovered during the requirements generation run. The chained file management system creates and maintains a centralized manufacturing information system.

This manual includes program flowcharts and flowchart narratives, in addition to information regarding switches, labels, symbols, and register assignment. The manual is intended to aid systems analysts and programmers install and maintain OS/360 Requirements Planning.  
Manual, 545 pages

LY20-0546

SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE  
ELECTRIC UTILITY INDUSTRY POWER FLOW SYSTEM MANUAL -  
VOLUME III  
PROGRAM NUMBER 5736-U12 FEATURE CODE 8172

The Power System Planning (PSP) Program Product package is designed specifically for System/360. The package uses disk storage to provide the capability of establishing a master data bank of repeatedly used engineering data that describes an electrical network. The package further provides the convenience of automatic data retrieval from the master data bank whenever a simulation program is to be run. In order to study the steady-state and transient operational characteristics of present and projected interconnected power networks, three digital simulation components are included in the package -- Power Flow, Short Circuit, and Transient Stability.

This manual is designed for use by the system analyst and system programmer. It describes the basic solution technique and its implementation in the Power Flow simulation component. Power Flow files and variables are described. The format of the results file, which may be saved upon completion of a Power Flow simulation, is described. In addition, a description of each procedure in the Power Flow component is given.  
Program Product Manual, 128 pages

LY20-0553

SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR  
ELECTRIC UTILITY INDUSTRY - SHORT CIRCUIT SYSTEM MANUAL  
VOLUME II PROG. NO. 5736-U12

The Power System Planning (PSP) Program Product package is designed specifically for the IBM System/360. The package uses disk storage to establish a master data bank of repeatedly used engineering data that describes an electrical network. The package further provides the convenience of automatic data retrieval from the master data bank whenever a simulation program is to be run. In order to study the steady-state and transient operational characteristics of present and projected interconnected power networks, three digital simulation components are included in the package -- power flow, short circuit, and transient stability.

This manual is designed for use by the system analyst and system programmer. It describes the basic solution technique and its implementation in the short circuit component. Files and variables are described. The format of the results file, which may be saved upon completion

of the input phase of a short circuit simulation study, is described. A description of each procedure in the short circuit component is given.

Program Product Manual, 332 pages

LY20-0554

SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE  
ELECTRIC UTILITY INDUSTRY TRANSIENT STABILITY  
SYSTEM MANUAL - VOLUME IV PROGRAM NUMBER  
5736-U12 FEATURE CODE 8173

The Power System Planning (PSP) Program Product package is designed specifically for the IBM System/360. The package uses disk storage to make it possible to establish a master data bank of repetitively used engineering data that describes an electrical network. The package provides the further convenience of automatic data retrieval from the master data bank whenever a simulation program is to be run. In order to study the steady-state and transient operational characteristics of present and projected interconnected power networks, three digital simulation components are included in the package: power flow, short circuit, and transient stability.

This manual is designed for use by the system analyst and system programmer. It describes the basic solution technique and its implementation in the transient stability simulation component. Files and variables are described. The format of the results file generated during a transient stability simulation study is described. In addition, a description of each procedure in the transient stability component is given.  
Program Product Manual, 128 pages

LY20-0555

SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE  
ELECTRIC UTILITY INDUSTRY  
ENGINEERING DATA MANAGEMENT SERVICES SYSTEM MANUAL -  
VOLUME I PROGRAM NUMBER 5736-U12 FEATURE CODE 8174

The Power System Planning (PSP) Program Product package is designed specifically for the IBM System/360. The package uses disk storage to provide the capability of establishing a master data bank of repeatedly used engineering data that describes an electrical network. The package further provides the convenience of automatic data retrieval from the master data bank whenever a simulation program is to be run. In order to study the steady-state and transient operational characteristics of present and projected interconnected power networks, three digital simulation components are included in the package -- power flow, short circuit, and transient stability.

This manual is designed for use by the system analyst and system programmer. It describes the methods used in validating, and retrieving data from the master data bank maintained by the engineering data management service (EDMS) component. EDMS files and variables are described. In addition, a description of each procedure in the engineering data management service (EDMS) component is given.  
Program Product Manual, 128 pages

LY20-0559

TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) SYSTEM MANUAL  
PROGRAM NUMBER 5736-T21, FEATURE CODE 8003

This manual provides detailed information to assist system analysts and programmers in gaining a more thorough knowledge of the programming logic employed in this application. Included for each unit process subroutine, general purpose subroutine, and mainline components are the flowchart narrative and the flowcharts.  
System Manual, 402 pages

LY20-0560

TRAFFIC PROFILE ANALYSIS SYSTEM SYSTEM MANUAL  
PROGRAM NUMBER 5736-T22

This manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the application. Included for each program are the switches and registers used, the flowchart narrative and the flowcharts.  
Manual, 64 pages

LY20-0561

MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2  
SYSTEM MANUAL - PROGRAM PRODUCT 5736-H11 FEATURE CODE 8500

This manual contains the general and detailed flowcharts with narratives as necessary for the Medical Information Systems Program. The flowcharts are preceded by diagrams of both the interaction among executive program modules and techniques for construction of the application programs.  
Manual, 384 pages

LY20-0565

SYSTEM/360 SHOP FLOOR CONTROL 5736-M31 SYSTEM MANUAL

System/360 Shop Floor Control is a group of programs designed to provide current information about the manufacturing facility and to assist management in effectively controlling production. The programs provide for the release of orders to the manufacturing facility, the creation and maintenance of records pertaining to the orders, retrieval of orders, report capability on the status of the orders, and the preparation and printing of a work list for shop supervisory personnel.

This manual includes (1) flowcharts, (2) flowchart narratives, and (3) a list of the program switches used by System/360 Shop Floor Control. The audience for this manual includes customer operating personnel, systems analysts, and programmers. The prerequisite for the use of this manual is a knowledge of System/360 PL/I Language, System/360 Disk Operating System, and the Bill of Material Manual, 148 pages

is provided in several appendices.

Volume IV contains appendices covering the following subjects:

- Compiler conventions and data layout
- Compiler tables and lists
- Compiler support macros
- Runtime support macros
- Object code storage layout
- Support services for language processors
- CALL/360-OS PL/I Compiler maintenance
- Diagnostic messages
- Maximum size of source program
- Reference listings

Manual, 252 pages

LY20-0566

IBM SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 5736-XY4

This manual provides detailed information to assist the user in gaining a more thorough knowledge of the programming logic employed in the application.

It contains detailed reference material for the file organization, maintenance, and reorganization program modules. The audience for this manual is the systems programmer.

Core storage allocation for each module is dependent upon the options chosen by the user. These allocations may be found in the SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR, PROGRAM DESCRIPTION MANUAL (SH20-0829) in section 3.30 entitled "Core Storage Requirements".

Program modification is achieved through the customization of the supplied source code by means of user supplied parameters. Customizing is discussed in the SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR, PROGRAM DESCRIPTION MANUAL in the section 5 entitled "Customizing the Data Base Organization and Maintenance Processor" and the Appendix entitled "Customizing the MAINLINE Module of Creation and Maintenance of the Four Basic Manufacturing Files".

Program listings are not included in this manual, as customization and assembly will provide the listings which correctly reflect the parameters chosen.

Licensed Program Product Manual

GY20-0575

IBM SYSTEM/360 DOS POWER II, SYSTEM MANUAL PROGRAM NUMBER 360D-05.2.006

POWER II (Priority Output Writers, Execution processors, and input Readers) is an automatic SPOOLING processor and priority scheduler for normal batch processing under IBM System/360 Disk Operating System. This manual describes the internal logic of POWER II. It includes descriptive text, flowcharts, detailed breakdown of subroutines and macros, plus additional aids to debugging. This manual is intended for use in maintenance or modification of POWER II.

Manual, 356 pages

GY20-0576

DOS POWER II/RJE SYSTEM MANUAL, PROG. NO. 360D-05.2.006

POWER II/RJE offers the ability to submit jobs via remote IBM 2780 data transmission terminals for normal batch processing under Disk Operating System. The manual describes the internal logic of Remote Job Entry operating in the POWER II environment. It includes descriptive text, flowcharts, detailed breakdown of subroutines and macros, plus additional aids to debugging. This manual is intended for use in maintenance or modification of POWER II/RJE.

Manual, 224 pages

GY20-0567

CALL-OS PL/I SYSTEM MANUAL VOLUME I

The CALL/360-OS PL/I compiler (to be used with the CALL/360-OS System on an IBM System/360 MODEL 50 OR HIGHER) is described in the four volumes of this publication. The publication is addressed to system programmers and customer engineers who require a detailed knowledge of the compiler. It contains a general overview of the compiler and detailed information on the compiler and runtime routines and macros that perform required functions. Additional information required to understand CALL/360-OS PL/I compiler operations is provided in several appendices.

Volume I contains a general description of the compiler, a section on compiler operations, and a directory to compiler routines.

Application Programming Bulletin-Type II

LY20-0579

SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM SYSTEM MANUAL FEATURE CODE 8012 PROGRAM NUMBER 5736-D51

The IBM Agribusiness Management Information System is a set of program and procedures which make available financial, tax, and management information to the agribusiness Management Information System (AMIS) programs. The reader will be charged with maintenance of the system and should be familiar with IBM System/360 Disk Operating System (System/360 DOS) and with the AMIS programs.

System Manual, 386 pages

LY20-0587

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) ADDITIONAL FILE FACILITY: SYSTEMS REFERENCE MANUAL, PROGRAM NUMBER 5736-N22, FEATURE CODE 8007

This reference publication describes the functions and logic of the new modules and changes to the PALIS Basic program (360A-IP-10X) that make up the PALIS Additional File Facility (2314) (5736-N22). Changes to the logic, preparation for use, and operation of rateload, file support, transaction edit, file maintenance run, and inquiry are included.

This manual must be used in conjunction with the PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS), BASIC PROGRAM, PROGRAM DESCRIPTION AND SYSTEM MANUAL (GH20-0497) and the PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS), BASIC PROGRAM, OPERATIONS MANUAL (GH20-0498).

Program Product Manual, 88 pages

GY20-0568

CALL/360-OS PL/I SYSTEM MANUAL VOLUME II

The CALL/360-OS PL/I compiler (to be used with the CALL/360-OS System on an IBM System/360 Model 50 or higher) is described in the four volumes of this publication. The publication is addressed to system programmers and customer engineers who require a detailed knowledge of the compiler. It contains a general overview of the compiler and detailed information on the compiler and runtime routines and macros that perform required functions. Additional information required to understand CALL/360-OS PL/I compiler operations is provided in several appendices.

Volume II CONTAINS INFORMATION ON RUNTIME SUPPORT MODULES AND THE FIRST part of a directory to runtime routines.

Application Program Manual

GY20-0590

CP-67/CMS VERSION 3.1: CP-67 PROGRAM LOGIC MANUAL, PROG. NO. 360D-05.2.005

This publication describes the internal logic of the CP-67 (Control Program-67) system. The system consists of a Control Program that creates a multiprogramming, time-sharing environment by providing virtual machines for users to run their own operating systems concurrently with other users. This manual is directed to personnel who will be responsible for the maintenance and modification of CP-67.

Type III Program Manual, Class A, 300 pages

GY20-0569

CALL/360-OS PL/I SYSTEM MANUAL VOLUME III PROGRAM NUMBER 360A-CX-42X

The CALL/360-OS PL/I compiler (to be used with the CALL/360-OS System on an IBM System/360 Model 50 or higher) is described in the four volumes of this publication. The publication is addressed to system programmers and customer engineers who require a detailed knowledge of the compiler. It contains a general overview of the compiler and detailed information on the compiler and runtime routines and macros that perform required functions. Additional information required to understand CALL/360-OS PL/I compiler operations is provided in several appendices.

Volume III contains the remainder of the directory to runtime routines, consisting of the mathematical function package and aggregate manipulation package.

Application Program Manual, 136 pages

GY20-0591

CP-67/CMS VERSION 3.1: CMS PROGRAM LOGIC MANUAL, PROG. NO. 360D-05.2.005

The Cambridge Monitor System (CMS) is a conversational monitor system that provides a comprehensive, easy-to-use set of programs (commands) giving the CMS user a wide variety of functions, including the ability to create additional commands or subsystems to satisfy his special requirements.

This manual provides a detailed description of the internals of CMS.

Type III program, Class A, Program Logic Manual, 520 pages

GY20-0570

CALL/360 OS PL/I SYSTEM MANUAL VOLUME 4

The CALL/360-OS PL/I compiler (to be used with the CALL/360-OS System on an IBM System/360 Model 50 or higher) is described in the four volumes of this publication. The publication is addressed to system programmers and customer engineers who require a detailed knowledge of the compiler. It contains a general overview of the compiler and detailed information on the compiler and runtime routines and macros that perform required functions. Additional information required to understand CALL/360-OS PL/I compiler operations



LY20-0595

IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-LOW CORE (FASTER LC) 5736-G22 SYSTEM MANUAL

This manual details the program logic of FASTER LC, discussing each system routine and its function within the basic components identified as Line Control, Interface, and Message Processor. Internal controls are described and modification guidelines are provided, for the benefit of installation programmers or systems engineers. The information in this manual is not needed, ordinarily, by operations or applications personnel.

Data-control flowcharts, line-control flowcharts, and program listings are logical parts of this manual and are made available in machine-readable form. See the Application Director for a description of the distribution medium.  
Manual, 92 pages

LY20-0596

GENERAL PURPOSE SIMULATION SYSTEM V-OS (GPSS V-OS) SYSTEM MANUAL, PROG. NO. 5734-XS2, FEATURE NO. 8046

This publication contains a description of the internal structure and the basic operation of the GPSS program. All the modules which make up the GPSS program are discussed in general and, where appropriate, the operation of all routines within a given module is explained in detail.

The information contained in this manual should give the user a thorough understanding of the structure and operation of the GPSS program so that modifications may be more easily designed and implemented.  
Program Product Manual, 570 pages

GY20-0597

COMPATIBILITY OPERATING SYSTEM FOR EMULATION OF IBM 1410/7010 DATA PROCESSING SYSTEMS OPERATING ON IBM SYSTEM/360 MODEL 50 (COS/50) (360D-11.1.025) PROGRAM LOGIC MANUAL

This publication describes the internal logic of the Compatibility Operating System (COS/50). COS/50 is used with System/360 Compatibility Feature No. 4478, modified by RPQ F23666, to execute IBM 1410/7010 programs on an IBM System/360 Model 50. COS/50 operates as a problem program under the IBM System/360 Operating System.

This manual is intended for persons involved in program maintenance, or system programmers who are altering the program design; it is not needed for normal use or operation of the program described.  
Type III, Class A, 60 pages

GY20-0599

THE REAL-TIME MONITOR (RTM) SYSTEM MANUAL, PROGRAM NUMBER 360A-SV-001

The Real-Time Monitor (RTM) is co-resident with OS. It provides fast interrupt response for real-time, event-driven systems. Normal OS jobs continue to run in background mode while the Monitor services real-time interrupts and schedules real-time jobs in priority mode. In addition, multiprogramming capability and OS facilities are provided for the real-time jobs. This manual presents the general logic specifications of RTM, which enable the user to run real-time and batch jobs concurrently. It is assumed that the reader is familiar with standard OS terminology.  
Application Program Manual, Type II, 56 pages

LY20-0601

DATA/360 - DOS SYSTEM MANUAL, PROGRAM NUMBER 5736-XS2, FEATURE CODE 8018

This manual contains detailed descriptions and procedures for system generation. This publication also contains abstract descriptions and functional flowcharts for all key modules. To further assist the system programmer, console operator, and terminal operator, a set of sample problems and running instructions with sample outputs are included.  
Program Product System Manual, 210 pages

LY20-0602

GENERAL PURPOSE SIMULATION SYSTEM V - DOS SYSTEM MANUAL, PROG. NO. 5736-XS3, FEATURE NO. 8049

This publication contains a description of the internal structure and the basic operation of the GPSS program. All the modules which make up the GPSS program are discussed in general and, where appropriate, the operation of all routines within a given module is explained in detail.

The information contained in this manual should give the user a thorough understanding of the structure and operation of the GPSS program so that modifications may be more easily designed and implemented.  
Program Product Manual, 568 pages

LY20-0604

CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD (CICS/OS) (5736-U11), LANGUAGE AND TERMINAL (L/T) FEATURE SYSTEM MANUAL, FEATURE CODE 8060

The purpose of this manual is to give the user a thorough understanding of the logic of the IBM Language and Terminal (L/T) Feature, an extension to the Customer Information Control System OS-STANDARD (CICS/OS) (5736-U11).

The manual is intended for use by the system programmer

responsible for program maintenance and program design alteration. The manual contains module flowcharts, flowchart narratives, and control area and control table formats.

The Language and Terminal Feature gives the user the ability to write his processing programs in PL/I or COBOL. The feature extends the terminal support to the 1030 Data Collection System, 2741 Communication Terminal, Binary Synchronous Communication Terminal with support for System/360 on non-switched lines, System/360 Model 20 on non-switched lines, 1130 Computing System on non-switched lines, 2780 Data Transmission Terminal on non-switched lines, and switched line support for 2740 Communication Terminal, 2741 Communications Terminal, and 1050 Communication System.

OS-STANDARD (CICS/OS) has been added to the name of this system to distinguish it from the recently announced DOS systems CICS/DOSE and CICS/DOSS. Functional changes have not been made.  
Program Product Manual, 104 pages

LY20-0606

SYSTEM/360 FINANCIAL TERMINAL SYSTEM SYSTEM MANUAL, VOLUME I: FLOWCHART NARRATIVES PROGRAM NUMBER 5736-F12, FEATURE CODE 8026

This manual describes the internal logic and flow of the Financial Terminal System (FTS). This system, operating as the controller of a DOS teleprocessing and multitasking partition, provides control of network operations and an efficient environment in which up to eight user-written application programs may concurrently process terminal transactions.

The contents of this manual include data specifications, internal macro usage, and detailed descriptions of all FTS modules. The purpose of the manual is to provide the user with a level of understanding sufficient to enable him to maintain the system, diagnose errors, or modify its design.

Volume II of the System Manual (LY20-0607) contains flowcharts of all FTS logic modules.  
Program Product Documentation, 512 pages

LY20-0607

SYSTEM/360 FINANCIAL TERMINAL SYSTEM SYSTEM MANUAL VOLUME II: FLOWCHARTS PROGRAM NUMBER 5736-F12 FEATURE CODE 8026

This manual contains flowcharts of all Financial Terminal System logic modules and supplements Volume I of the System Manual.  
Program Product Manual, 272 pages

LY20-0608

FORTRAN CONVERSION AID PROGRAM (SYSTEM MANUAL, PROGRAM NUMBER 5799-AAJ, FEATURE CODE 8001, REFERENCE NUMBER FA1287)

The FORTRAN Conversion Aid Programming RPQ assists in converting programs written in certain non-System/360 FORTRAN dialects to System/360 executable code. Conversion is accomplished through translation, hand modification, compilation, and object-time library simulation. This programming RPQ is available on special quotation only.  
Programming RPQ, 190 pages

LY20-0609

PROJECT MANAGEMENT SYSTEM IV (PMS IV) PROGRAM NUMBER 5734-XP4, FEATURE NUMBER 8074 COST PROCESSOR SYSTEM MANUAL

This manual presents a detailed description of subroutines and internal data formats of PMS IV Cost Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.  
Program Product Manual, 92 pages

LY20-0610

PROJECT MANAGEMENT SYSTEM IV (PMS IV) PROGRAM NUMBER 5734-XP4 - FEATURE NUMBER 8071 NETWORK PROCESSOR SYSTEM MANUAL

This manual presents a detailed description of subroutines and internal data formats of PMS IV Network Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.  
Program Product Manual, 156 pages

LY20-0611

PROJECT MANAGEMENT SYSTEM IV (PMSIV) RESOURCE ALLOCATION PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 5734-XP4, FEATURE CODE 8077

This manual presents a detailed description of subroutines and internal data formats of PMSIV Resource Allocation Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.  
Program Product Manual, 92 pages

LY20-0612

PROJECT MANAGEMENT SYSTEM IV (PMS IV) PROGRAM NUMBER 5734-XP4 - FEATURE NUMBER 8068 REPORT PROCESSOR SYSTEM MANUAL

This manual presents a detailed description of subroutines and internal data formats of PMS IV Report Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented.  
Program Product Manual, 168 pages

## LY20-0613

PROJECT MANAGEMENT SYSTEM IV (PMSIV)  
COST PROCESSOR FLOWCHART MANUAL  
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8075

This manual contains the flowcharts for the Cost Processor of Project Management System IV. It should be used in conjunction with the system manual for the Cost Processor.  
Program Product Manual, 88 pages

## LY20-0614

PROJECT MANAGEMENT SYSTEM IV (PMSIV)  
NETWORK PROCESSOR FLOWCHART MANUAL  
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8072

This manual contains the flowcharts for the Network Processor of Project Management System IV. It should be used in conjunction with the system manual for the Network Processor.  
Program Product Manual, 120 pages

## LY20-0615

PROJECT MANAGEMENT SYSTEM IV (PMSIV)  
RESOURCE ALLOCATION PROCESSOR FLOWCHART MANUAL  
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8078

This manual contains the flowcharts for the Resource Allocation Processor of Project Management System IV. It should be used in conjunction with the system manual for the Resource Allocation Processor.  
Program Product Manual, 136 pages

## LY20-0616

PROJECT MANAGEMENT SYSTEM IV (PMSIV)  
REPORT PROCESSOR FLOWCHART MANUAL  
PROGRAM NUMBER 5734-XP4, FEATURE CODE 8069

This manual contains the flowcharts for the Report Processor of Project Management System IV. It should be used in conjunction with the system manual for the Report Processor.  
Program Product Manual, 120 pages

## LY20-0621

CONSUMER GOODS SYSTEM (COGS), FORECASTING (OS),  
SYSTEM MANUAL, PROGRAM NUMBER 5734-D33

This manual contains source code listings and flowcharts to aid the user in program product implementation and modification.  
Program Product System Manual, 132 pages

## LY20-0622

CONSUMER GOODS SYSTEM (COGS) ALLOCATION (OS) SYSTEM MANUAL  
PROGRAM NUMBER 5734-D32

This manual contains source code listings and flowcharts to aid the user in program product implementation and modification.  
Manual, 116 pages

## LY20-0623

SYSTEM/360 TEXT PROCESSOR PAGINATION/360, SYSTEM MANUAL,  
VOLUME I - FLOWCHART NARRATIVES - PROGRAM NUMBER 5736-K12,  
FEATURE CODE 8010

The two-volume System Manual provides detailed information to assist the user in acquiring a thorough knowledge of the programming logic and techniques used in PAGINATION/360. The manual is intended primarily for the use of systems analysis and programmers who may need to alter or maintain the program. The Program Description Manual and Operations Manual are prerequisites to reading and using the System Manual.

This volume of the System Manual contains narratives, and switch and register lists. Volume II contains the program logic flowcharts.  
Program Product System Manual, 370 pages

## LY20-0624

SYSTEM/360 TEXT PROCESSOR PAGINATION/360, SYSTEM MANUAL,  
VOLUME II - FLOWCHARTS - PROGRAM NUMBER 5736-K12,  
FEATURE CODE 8011

The two-volume System Manual provides detailed information to assist the user in acquiring a thorough knowledge of the programming logic and techniques used in PAGINATION/360. The manual is intended primarily for the use of systems analysts and programmers who may need to alter or maintain the program. The Program Description Manual and Operations Manual are prerequisites to reading and using the System Manual.

This volume of the System Manual contains the program logic flowcharts. Volume I contains narratives, and switch and register lists.  
Program Product System Manual, 822 pages

## LY20-0628

SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM  
SYSTEM MANUAL - PROGRAM NUMBER 5736-F32 FEATURE NUMBER 8033

This publication provides the systems programmer with detailed information about the ACIP system. It contains flowcharts and descriptions of each ACIP routine. In addition, there is a section on system modification considerations.  
Manual, 180 pages

## LY20-0629

INFORMATION MANAGEMENT SYSTEM/360, VERSION 2  
PROGRAM NUMBER 5734-XX6

SYSTEM MANUAL - LOGIC VOLUME I, FEATURE CODE 8080  
Information Management System/360 is a processing program designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual includes a description of each module of the IMS/360 program. It also contains information on macros used, interfaces and module sizes, error codes and handling, and ABENDs. Flowcharts are contained in Volume II. Volume III contains listings of the data base (batch) portion of the IMS/360 program, furnished as microfiche. Volume IV contains listings of the data communications portion of the program, also furnished as microfiche.  
Program Product Manual, 728 pages

## LY20-0630

INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, VOLUME 2,  
SYSTEM MANUAL (FLOWCHARTS), MICROFICHE  
PROGRAM NUMBER 5734-XX6, FEATURE CODE 8081

Information Management System/360 is a processing program designed to facilitate the implementation of medium to large common data bases in a multi-application environment. This environment is created to accommodate both on-line message processing and conventional batch processing, either separately or concurrently.

This manual includes a flowchart of each module in the IMS/360 program. Module descriptions are contained in Volume I. Volume III contains listings of the data base (batch) portion of the IMS/360 program, furnished as microfiche. Volume IV contains listings of the data communications portion of the program, also furnished as microfiche.  
Program Product Manual, 324 pages

## LY20-0634

DISPLAY MANAGEMENT SYSTEM, SYSTEM MANUAL  
PROGRAM NUMBER 5734-XC1, FEATURE CODE 8005

The IBM Display Management System (DMS) is a series of application modules, operating under a supervisor, which greatly simplify, to the user, the complexities of implementing interactive data processing operations which feature the 2260/65 Display Station. By use of three forms provided by DMS the user implements his own applications on a customized basis by describing his data files, designing 2260/65 Display Station images (panels) in the language of his own application, and describing the utility functions that are required. The purpose of this manual is to give the user a thorough understanding of the logic employed in each module.

This manual contains detailed program flowcharts, flowchart narratives, control area and control table formats, register considerations, special programming techniques and information concerning program modification.  
Licensed Program Product Manual

## LY20-0635

CONTROL PROGRAM-67 ONLINE COBOL SYMBOLIC DEBUG PROGRAMMING  
RPQ; SYSTEM MANUAL, PROG. NO. 5799-AAE FEATURE NO. 8006

This publication describes the system design and actual coding of the Symbolic Debug system. It is intended primarily for the systems programmers. This programming RPQ is available on special quotation only (see inside front cover).  
Programming RPQ, 54 pages

## LY20-0638

DATA/360-OS SYSTEM MANUAL  
PROGRAM NUMBER 5734-XS3, FEATURE CODE 8087

This manual contains detailed descriptions of the DATA/360-OS files, modules, and macros. It is intended for systems programmers or equivalent who wish to become familiar with the internal workings of DATA/360-OS. Topics pertaining to generating and operating DATA/360-OS are found in the DATA/360-OS Console Operator's Guide (SH20-0926). Topics pertaining to terminal operations and training are located in the DATA/360-OS Terminal Operator's Guide (SH20-0925).  
Program Product Manual, 302 pages

## LY20-0640

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX)  
MIXED INTEGER PROGRAMMING (MIP) - SYSTEM MANUAL  
PROGRAM NUMBER 5734-XM4, FEATURE NUMBER 8056

MIP is an extension of the linear programming module of the Mathematical Programming System Extended (MPSX). It

allows the processing of mixed integer linear programming problems, that is, linear programming problems in which some of the variables must take integer values. This manual describes the "branch and bound" method used and the MIP routines.  
Program Product Manual, 84 pages

## LY20-0641

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX), MIXED INTEGER PROGRAMMING (MIP) FLOWCHART MANUAL, PROGRAM NUMBER 5734-XM4, FEATURE CODE 8057  
This manual contains the flowcharts for the Mixed Integer Programming (MIP) Feature of MPSX. It should be used in conjunction with the MIP System Manual and the source or assembly listings.  
Program Product Manual, 36 pages

## LY20-0642

MATHEMATICAL PROGRAM SYSTEM EXTENDED (MPSX) FLOWCHART MANUAL PROGRAM NUMBER 5734-XM4, FEATURE CODE 8055  
This manual contains the flowcharts for the Mathematical Programming System Extended (MPSX). It should be used in conjunction with the MPSX System Manual and the source or assembly listings.  
Program Product, 296 pages

## LY20-0646

MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) SYSTEM MANUAL, PROGRAM NUMBER 5734-XM4, FEATURE CODE 8056  
This manual provides detailed information to help the user understand the implementation of MPSX. It is designed to be used with the program listings and flowcharts of MPSX.  
Program Product Manual, 528 pages

## LY20-0655

SHARED LABORATORY INFORMATION SYSTEM (SLIS) SYSTEM MANUAL PROGRAM PRODUCT 5736-H12  
This manual contains detailed program information useful for program modification, error diagnosis and maintenance. The manual contains detailed descriptive information on the logical operation of each program, through program flowcharts. Most flowchart narratives are general, but more detail has been included for the complicated programs. Labels and symbols, programmed switches, program indicators, register usage, special techniques, program modification notes, and service subprogram usage are defined for each system program.  
This document is written as a reference manual. Before using this manual the reader should be thoroughly familiar with the following manuals: SHARED LABORATORY INFORMATION SYSTEM APPLICATION DESCRIPTION MANUAL (GH20-0709), SHARED LABORATORY INFORMATION SYSTEM LABORATORY MANUAL (SH20-0769), SHARED LABORATORY INFORMATION SYSTEM PROGRAM DESCRIPTION MANUAL (SH20-0780), SHARED LABORATORY INFORMATION SYSTEM OPERATIONS MANUAL (SH20-0781).  
Manual, 284 pages

## LY20-0656

IBM SYSTEM/360 BASIC COURTS SYSTEM, SYSTEM MANUAL PROGRAM NUMBER 5736-G26  
This manual details the logic of the batch and online programs within the Basic Courts System. Internal buffers and switches are described, and modification guidelines are provided, for the benefit of installation programmers or systems engineers. The information in this manual is not needed, ordinarily, by operations or applications personnel.  
The batch programs are written in ANS COBOL. The online programs are written in the macro language of FASTER LC (Filing And Source Data Entry Techniques for Easier Retrieval--Low Core). The online programs run under control of the FASTER LC system. The System Manual for FASTER LC (feature 8056, order number LY20-0595) should be referenced for FASTER LC program logic.  
Manual, 96 pages

## LY20-0661

COMPUTER SYSTEM SIMULATOR II (CSS II), SYSTEM MANUAL PROGRAM NUMBER 5734-XS5, FEATURE CODE 8035  
This manual provides a detailed description of the structure and internal operation of the routines within the CSS II program. It is primarily intended to be used as a guide with the program listing for users intending either to modify the program or to write an assembly language HELP routine to be associated with the program.  
Program Product Manual, 604 pages

## LY20-0663

FARE QUOTE/TICKETING FUNCTIONAL SPECIFICATION PROGRAM NUMBER 5736-T11  
This manual describes in some detail the functional capabilities offered by the Fare Quote/Ticketing package and the relationship to the PARS environment. It explains system philosophy, broad programming guidelines and data record characteristics.  
Program Product Manual, 34 pages

## LY20-0664

FARE QUOTE/ISSUE TICKET PROGRAM AND PACKAGE SPECIFICATIONS PROGRAM NUMBER 5736-T11  
(SEE ALSO "TARIFF MAINTENANCE" PROG. NO. 5736-T11)  
This manual describes the plans, controls, methods and techniques used for communications between the PARS system and the Fare Quote/Ticketing System in order to calculate fares and issue tickets.  
Program Product Manual, 392 pages

## LY20-0665

TARIFF MAINTENANCE PROGRAM AND PACKAGE SPECIFICATIONS PROGRAM NUMBER 5736-T11  
(SEE ALSO "FARE QUOTE/TICKETING" PROG. NO. 5736-T11)  
This manual contains the specifications which describe the plans, methods, controls and techniques of editing, constructing and updating the tariff and ticketing file required by the Fare Quote/Ticketing package to perform its function.  
Program Product Manual, 892 pages

## LY20-0666

FARE QUOTE/TICKETING DATA/MACRO SPECIFICATION PROGRAM NUMBER 5736-T11  
This manual describes the purpose and format of all data records used in the Fare Quote/Ticketing Program Product and illustrates how the data is created, maintained and used to produce a fare quotation and a printed ticket. This document also describes all executable macros written for the Fare Quote/Ticketing Program Product detailing their purpose and functions including all programming considerations and requirements.  
Program Product Manual, 200 pages

## LY20-0671

PROCEDURE LIBRARY - MATHEMATICS (PL-MATH) SYSTEM MANUAL PROGRAM NUMBER 5734-XM3 FEATURE NUMBER 8051  
This manual contains the source code listings for the procedures and sample programs of the PL-MATH Library.  
Program Product, 224 pages

## LY20-0674

MINIPERT SYSTEM MANUAL, FEATURE NUMBER 8086 PROGRAM NUMBER 5734-XP3  
This manual contains a detailed description and listing for every MINIPERT function in each of the five workspaces.  
Program Product Manual, 144 pages

## LY20-0678

APL/360-OS AND APL/360-DOS SYSTEM MANUAL FEATURE NUMBERS 8091, 8034 PROGRAM NUMBERS 5734-XM6, 5736-XM6  
This publication provides general information relating to the design and program logic of the program products. When used as a debugging tool, this manual serves as a guide to the program listings.  
Program Product Manual, 232 pages

## LY20-0679

COURSEWRITER III, VERSION 3 DISK OPERATING SYSTEM SYSTEM PROGRAMMER'S GUIDE - PROGRAM NUMBER 5736-E11  
This publication provides detailed information of programming logic employed in the application.  
It is assumed that the reader has prior knowledge of Coursewriter III, the Disk Operating System, and Basic Telecommunications Access Method.  
Flowcharts and assembly listings are not in this publication (see "Optional Machine Readable Information" in the Application Directory).  
Program product manual, 100 pages

## LY20-0681

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII) SYSTEM MANUAL - VOLUME I - PROGRAM NUMBER 5736-N13  
This manual provides detailed information to help the user understand the special CFO II macros that provide system compatibility. The subroutines used by many of the CFO II programs are also described in this manual. A program abstract and flowchart, a storage allocation table, and a listing of program switches and their descriptions are included for each of the subroutines.  
This manual also describes (1) the processing of card image input for file maintenance, accounting and status request transactions, and the creation of the transaction file; (2) the editing of transactions; (3) the selection, addition, replacement, deletion, and updating of policy master records on the policy master file. Appropriate flowcharts, storage allocation tables, program modification, and a listing of program switches and their descriptions are included.  
Manual, 148 pages,

## LY20-0682

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME II - PROGRAM NUMBER 5736-N13  
This manual provides detailed information to help the user understand file maintenance processing. It describes external file maintenance transactions that add, delete, or

replace individual policy master record fields and/or trailers. It also describes the automatic trailer processing related to policy status coding and the policy exhibit adjustment. Appropriate flowcharts, storage allocation tables, program modification aids, and a listing of program switches and their descriptions are included. Manual, 117 pages

## LY20-0683

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME III - PROGRAM NUMBER 5736-N13  
This manual provides detailed information to help the user understand the cash updating and anniversary processing programs. It describes 1) the editing functions performed by update processing and the automatic entries which are generated as part of that processing, and 2) the sequence of anniversary processing. Appropriate flowcharts, storage allocation tables, program modification aids, and a listing of program switches and their description are included. Manual, 136 pages

## LY20-0684

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME IV - PROGRAM NUMBER 5736-N13  
This manual provides detailed information to help the user understand the generation of billing notification. In addition, the generation of status requests for scheduled conditions is described. Appropriate flowcharts, storage allocation tables, program modification aids, and a listing of program switches and their description are included. Manual, 80 pages

## LY20-0685

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME V - PROGRAM NUMBER 5736-N13  
This manual provides information to help the user understand the program logic of the status series. It describes (1) the creation of the status temporary data record, (2) the calculations involving the mortality table and the policy master record, (3) the generation of accounting and policy exhibit transactions, (4) the updating of the policy master record and the generation of image status requests, and (5) the printing of the status report. Appropriate flowcharts, storage allocation tables, program modification aids, and a listing of program switches and their descriptions are included. Manual, 162 pages

## LY20-0686

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME VI - PROGRAM NUMBER 5736-N13  
This manual provides detailed information to help the user understand the program logic concerned with (1) the merging of the status and nonstatus activity files, the creation of the life transaction file, and the processed master file; (2) the processing of general accounting entries, preparation of the policy accounting journal, and the premium distribution by state file; (3) the processing of sorted billing, commission, and accounting transactions and the printing of the general accounting journal and summary totals by account number; (4) the scheduling of the next automatic activity date in the policy master record and the creation of the policy exhibit transaction file. Appropriate flowcharts, storage allocation tables, program modification aids, and a listing of program switches and their descriptions are included. Manual, 108 pages

## LY20-0687

CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME VII - PROGRAM NUMBER 5736-N13  
This manual provides information to help the user understand the program logic for the periodic update programs. It describes (1) the creation of extracts for dividend and other participation updating of the policy master record; (2) the updating of the extracts with temporary values and other data from the dividend rate file; (3) the updating of the policy master record by adding temporary value records or by changing the participation option codes; (4) the replacement of old premium rates on the renewable term policy master records; (5) the creation of extracts for cash value updating master record; (6) the updating of the extracts with the cash values from the cash value rate file; and (7) the updating of the policy master record with the extracted cash values. Appropriate flowcharts, storage allocation tables, program modification aids, and a listing of program switches and their descriptions are included. Manual, 76 pages

## LY20-0691

COURSEWRITER III/OS VERSION 3 SYSTEM PROGRAMMERS GUIDE PROG. NO. 5734-E13  
This publication provides detailed information of programming logic employed in the application. It is assumed the reader has prior knowledge of Coursewriter III, the Operating System, and Basic Telecommunications Access Methods.

Flowcharts and assembly listings are not in this publication (see "Optional Machine Readable Information" in the Application Directory.)

System generating information is contained in

Coursewriter III/OS, Version 3 Operator's Guide (SH20-1022). Licensed Program Product Manual, 96 pages

## LY20-0692

ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM OPERATING SYSTEM AND 1130 COMPUTING SYSTEM - SYSTEM MANUAL FEATURE NUMBER 8095 - PROGRAM NUMBERS 5734-EE1, 5711-EE1  
This manual contains detailed information useful to a system or an application programmer interested in making program modifications to ECAP II. This manual includes:

- o General organization of the program
- o Description of functions performed by each program phase and subroutine
- o Program logic flowcharts
- o Description of variables passed between programs and subroutines
- o Data formats and file organization

Program product manual, 448 pages

## LY20-0693

SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC UTILITY INDUSTRY, POWER FLOW OUTPUT AND CAPACITY FEATURE SYSTEM MANUAL, VOLUME V - PROGRAM NUMBER (5736-U12)  
The Power System Planning (PSP) Program Product is designed for the IBM System/360 and System/370. Direct access storage is employed for a master data bank of repetitively used electrical power network data. Data is automatically retrieved from the master data bank by the Engineering Data Management Service (EDMS) component whenever a simulation component is run. In order to study the steady state and transient operational characteristics of present and projected interconnected power networks, three digital simulation components are included in the package: Power Flow, Short Circuit, and Transient Stability.  
This manual is designed for use by the system analyst and system programmer. It describes the basic solution technique and its implementation in the Power Flow Output and Capacity Feature. Power Flow files and variables are described. The format of the results file, which may be saved upon completion of a Power Flow simulation, is described. In addition, a description of each procedure in the Power Flow Output and Capacity Feature is given. Manual, 130 pages

## LY20-0694

BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2 SYSTEM MANUAL - PROGRAM NUMBER 5736-F31, FEATURE 8005  
This system manual consists principally of the flowcharts for each program in the Brokerage Accounting System Elements (BASE) system, together with such supplementary material as will aid the programmer in modifying the system to adapt it to a particular application requirement.  
The BASE system is composed of a number of closely interrelated programs that provide a comprehensive foundation for back office data processing applications in today's brokerage firm. Application areas covered include Purchase and Sale (P&S), Stock Record, Dividends, Bookkeeping, Interest, Customer Statements, and such critical Cashier functions as Fails and Transfers. The BASE system is general enough to permit various options and modifications to suit the individual requirements of a particular brokerage firm. However, the processing in the application areas is extensive so that most programs will require little or no modification by the typical brokerage firm. Program product manual, 592 pages

## LY20-0696

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL VOLUME 1 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8115  
This three-volume manual outlines and details the internal logic of the Generalized Information System, Version 2, for the benefit of programmers attempting to revise and/or maintain the system. The organization of the manual reflects the system's design structure of interfacing program units. As applicable, the manual includes diagnostic comments to assist in isolating faulty operation, and contains modification aids to assist in making minor changes to the system. Program Product Manual, 204 pages

## LY20-0697

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL VOLUME 2 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8116  
This three-volume manual outlines and details the internal logic of the Generalized Information System, Version 2, for the benefit of programmers attempting to revise and/or maintain the system. The organization of the manual reflects the system's design structure of interfacing program units. As applicable, the manual includes diagnostic comments to assist in isolating faulty operation, and contains modification aids to assist in making minor changes to the system. Program Product Manual, 524 pages

## LY20-0698

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL VOLUME 3 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8117

This three-volume manual outlines and details the internal logic of the Generalized Information System, Version 2, for the benefit of programmers attempting to revise and/or maintain the system. The organization of the manual reflects the system's design structure of interfacing program units. As applicable, the manual includes diagnostic comments to assist in isolating faulty operation, and contains modification aids to assist in making minor changes to the system.  
Program Product Manual, 400 pages

LY20-0699

IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE ARITHMETIC STATEMENT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8125  
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserve" pages in the System Manual provided with the Basic Retrieval System package.  
Program Product Manual, 24 pages

LY20-0700

IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE TELEPROCESSING SUPPORT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8123  
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserve" pages in the System Manual provided with the Basic Retrieval System package.  
Program Product Manual, 12 pages

LY20-0701

IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE CONTROL STATEMENT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8124  
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserve" pages in the System Manual provided with the Basic Retrieval System package.  
Program Product Manual, 48 pages

LY20-0702

IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE PROCESSING STATEMENT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8126  
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserve" pages in the System Manual provided with the Basic Retrieval System package.  
Program Product Manual, 68 pages

LY20-0703

IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE FORMAL REPORT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8119  
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserved" pages in the System Manual provided with the Basic Retrieval System package.  
Program Product Manual, 128 pages

LY20-0704

IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE HIERARCHIC FILE SUPPORT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8120  
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserve" pages in the System Manual provided with the Basic Retrieval System package.  
Program Product Manual, 30 pages

LY20-0705

IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE FILE UPDATE AND CREATE FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8118  
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserve" pages in the System Manual provided with the Basic Retrieval System package.  
Program Product Manual, 130 pages

LY20-0706

IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE UTILITY FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8121  
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserve" pages in the System Manual provided with the Basic Retrieval System package.  
Program Product Manual, 30 pages

LY20-0707

IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE EDIT AND ENCODE FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8122  
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserve" pages in the System

Manual provided with the Basic Retrieval System package.  
Program Product Manual, 16 pages

LY20-0708

IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE FILE MODIFY FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8127  
This manual provides design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserve" pages in the System Manual provided with the Basic Retrieval System package.  
Program Product Manual, 24 pages

LY20-0710

PLANNING SYSTEMS GENERATOR II (PSG II) LOGIC MANUAL PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8114  
Planning Systems Generator II (PSG II) gives the user the means to rapidly produce and evaluate a variety of financial plans. It offers the user a simple method for specifying planning data, establishing computational logic to be applied to the data, and for generating data displays and reports.

PSG II may be applied to the solution of planning problems for financial management and also for any division or department of a company with a planning function such as personnel or manpower planning, marketing projections, short-range budgeting, etc.

This manual is to be used in conjunction with the PSG II source code listings.

Users of this manual should be familiar with the following publications:

Planning Systems Generator II (PSG II): Operations

Guide SH20-1041

Planning Systems Generator II (PSG II): Program

Reference Manual SH20-1042

The purpose of this manual is to assist the systems analyst in maintaining and/or modifying PSG II.  
Manual, 160 pages

LY20-0712

CUSTOMER INFORMATION CONTROL SYSTEM FEATURE NUMBER 8030 (DOS-ENTRY) LOGIC MANUAL - PROGRAM NUMBER 5736-XX6  
The IBM Customer Information Control System (CICS) is a transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user-written application programs. Applicable to most online systems, CICS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational data entry.

CICS is available in three systems--two for DOS users and one for OS users. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it is possible to start with a small data base/data communication configuration and move up through DOS into OS.

The information contained in this manual is of interest to persons maintaining and modifying the operation of the CICS/DOS-ENTRY system.  
Manual, 272 pages

LY20-0713

CUSTOMER INFORMATION CONTROL SYSTEM (CICS) LOGIC MANUAL PROGRAM NUMBER 5736-XX7 (DOS-STANDARD) FEATURE NUMBER 8031  
The IBM Customer Information Control System (CICS) is a transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user-written application programs. Applicable to most on-line systems, CICS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational data entry.

CICS is available in three systems--two for DOS users and one for OS users. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it is possible to start with a small data base/data communication configuration and move up through DOS into OS.

The information contained in this manual is of interest to persons maintaining and modifying the operation of the CICS/DOS-STANDARD system.  
Manual, 292 pages

LY20-0714

CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATING SYSTEM STANDARD VERSION 2 - FEATURE NUMBER 8142 - LOGIC MANUAL PROGRAM NUMBER 5734-XX7  
The IBM Customer Information Control System (CICS) is a transaction-oriented, multiapplication data base/data communication interface between a System/360 or System/370 operating system and user-written application programs. Applicable to most online systems, CICS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational data entry.

CICS is available in three systems - two for DOS users and one for OS users. Because the two CICS/DOS systems are compatible with each other and with the CICS/OS system, it is possible to start with a small data base/data communication configuration and move up through DOS into OS.

The information contained in this manual is of interest to persons maintaining and modifying the operation of the CICS/OS-STANDARD V2 system.  
Program Product Logic Manual, 200 pages

LY20-0716

IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) - SYSTEM MANUAL - PROGRAM NUMBER 5736-G24  
discussing each system routine and its function within the basic components identified as Line Control, Interface, and Message Processor. Internal controls are described for the benefit of installation programmers or systems engineers. The information in this manual is not needed ordinarily by operators or applications personnel.

Data-control flowcharts, line control flowcharts, and program listings are logical parts of this manual and are made available in machine-readable form. See the Program Directory for a description of the distribution medium. Program product manual, 88 pages

LY20-0717

IBM FASHION REPORTER PROGRAM PRODUCT SYSTEM MANUAL PROGRAM NUMBER 5736-D11  
This manual includes program flowcharts, flowchart narratives, and other information necessary to understand the programming logic used in the IBM Fashion Reporter system. This information will be useful when implementing or modifying this system.

The programs that operate on user data or the inventory file are written in IBM PL/I programming language. Programs which print reports are written in IBM System/360 RPG programming language.

Additional information regarding the system may be found in the following manuals:

- o IBM Fashion Reporter, Program Description Manual (SH20-2053)
- o IBM Fashion Reporter, Operations Manual (SH20-2054) Manual, 134 pages

LY20-0726

SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC UTILITY INDUSTRY SHORT CIRCUIT R0 FEATURE - SYSTEM MANUAL VOLUME VI, FEATURE 8103 - PROGRAM NUMBER 5736-U12  
In order to study the steady state and transient operational characteristics of present and projected interconnected power networks, three digital simulation components are included in the Power System Planning program product: Power Flow, Short Circuit, and Transient Stability. The Short Circuit R0 Feature extends the capabilities of the Short Circuit component.

This manual is designed for use by the system analyst and system programmer. It describes the basic solution technique and its implementation in the Short Circuit R0 Feature. Files and variables are described. A description of each procedure in the Short Circuit R0 Feature is given. Program product manual, 61 pages

LY20-0728

STAT/BASIC FOR INTERACTIVE TERMINAL FACILITY LOGIC MANUAL FEATURE NUMBER 8100 - PROGRAM NUMBER 5734-XA3  
STAT/BASIC is a comprehensive set of interactive statistical programs for ITP. It consists of 40 BASIC programs, providing the user with procedures for data generation, elementary statistics, regression and correlation analysis, multivariate analysis, analysis of variance, nonparametric statistics, time series analysis, and biostatistics. The interactive features include instructional messages, flexible control of calculations, extensive error checking, and data editing.

This manual provides program flowcharts, flowchart narrative, and program listings. Program Product Manual, 208 pages

LY20-0729

OS REQUIREMENTS PLANNING EXTENSIONS (PROGRAMMING RPQ EA6264) - SYSTEM MANUAL - PROG. NO. 5799-AA7  
The OS Requirements Planning Extensions (Programming RPQ) is a modification of the OS/360 Requirements Planning program product (5734-M51). The extensions add capability and increase the performance of the program product.

This manual includes program flowcharts and flowchart narratives, in addition to information regarding switches, labels, symbols, and register assignment. The manual is intended to aid systems analysts and programmers to install and maintain the OS Requirements Planning Extensions.

The programming RPQ describes in this manual and all licensed materials available for it, are provided by IBM on a special quotation basis only, under the terms of the License Agreement for IBM program products. Your local IBM branch office can advise you regarding the special quotation and ordering procedures. Manual, 178 pages

LY20-0733

BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE, SYSTEM MANUAL PROGRAM NUMBER 5734-XX9  
The Bill Processor Systems - IMS/360 Bridge consists of the programs necessary to convert bill processor system files to IMS/360 data bases and to access the converted data bases. The elements which make up the Bill Processor Systems - IMS/360 Bridge are as follows: the descriptor generator (GEN1), the conversion generator (GEN2), the unload module general source code (UNLS), the load program general source code (LOADS), the interface generator (GEN3), and the interface module general source code (INTFS).

This manual includes program flowcharts and flowchart

narratives, as well as record layouts for the descriptor file entries. The manual is intended to aid systems analysts and programmers in installing and maintaining the Bill Processor Systems - IMS/360 Bridge programs. Manual, 64 pages

GY20-0738

OS/MVT WITH RESOURCE SECURITY - LOGIC MANUAL PROGRAM NUMBER 360A-SV-007 TYPE 1 EXTENSION  
This manual describes the internal logic of the resource security system. Its use is intended for system programmers and for those persons having programming maintenance support responsibility. Manual, 428 pages

LY20-0743

AN APL (OS OR DOS) TEXT EDITOR AND COMPOSER: SYSTEM GUIDE PROG. NO. 5796-PAC, FEATURE NO. 8009  
This manual contains information on the design and coding of this system. It includes annotated listings of all functions, tables of their usage, and lists of variables. It is intended to aid in modifying and maintaining the system and in diagnosing error situations. System Guide, 44 pages

LY20-0746

APL/EDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM SYSTEM GUIDE - IUP NO. 5796-PAD  
This manual contains information on the design and coding of this system and has incorporated the contents of Technical Newsletter LN20-6086. This manual includes annotated listings of all functions and variables and their uses. It is intended to aid in modifying and maintaining the system and in identifying error conditions. Manual, 124 pages

LY20-0749

FLIGHT DATA DISPLAY SYSTEM FUNCTIONAL SPECIFICATIONS, IUP PROG. NO. 5796-PAE  
This manual describes in some detail, the functional capabilities offered by the Flight Data Display System. It explains system philosophy, broad programming guidelines, data record characteristics and general agent facilities. Manual, 26 pages

LY20-0750

FLIGHT DATA DISPLAY SYSTEM PACKAGE/PROGRAM SPECIFICATIONS IUP PROGRAM NO. 5796-PAE  
This manual describes in some detail the programming that comprises this system. The code is described at flowchart level. Input/Output requirements are provided for each program. Manual, 288 pages

LY20-0751

FLIGHT DATA DISPLAY SYSTEM DATA/MACRO/FILE SPECIFICATIONS IUP PROGRAM NO. 5796-PAE  
This manual describes in some detail, the data records, the unique macros and the file descriptions used in this system. Manual, 46 Pages

LY20-0755

LOADFLOW PLOTTING SYSTEM, VARIBUS CORPORATION, A GULF STATES UTILITIES COMPANY SYSTEMS GUIDE - IUP NUMBER 5796-AAF  
No abstract available. Systems Guide, 14 pages

LY20-0757

S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING MUSIC RELEASE II SYSTEM GUIDE - IUP NUMBER 5796-AA7  
A new release of the MUSIC Timesharing System is now available. It contains system support for S/370 Models 125, 158, 165 and 168, including 3330/3333 Model 11, 3704/3705, enhancements to BASIC and APL workspace support. In addition, its interface to VM/370 has been improved to provide more efficient operation when running in a virtual machine under VM/370 control. Programming services have been extended until December 31, 1974.

MUSIC offers a high performance and high function timesharing facility previously unavailable to the low entry System/370 user. Guide

LY20-0758

DATA DICTIONARY/DIRECTORY SYSTEM WITH DATA ELEMENT GLOSSARY SYSTEM GUIDE - IUP NUMBER 5796-PAG  
No abstract available. Manual, 146 pages

LY20-0761

CONSOLIDATED FUNCTIONS EQUITY PRODUCTS VARIABLE ANNUITIES, MUTUAL FUNDS DATAMANN, INC. - SUBSIDIARY OF HORACE MANN EDUCATORS SPRINGFIELD, ILLINOIS - SYSTEMS GUIDE PROGRAM NUMBER 5796-AAP  
This manual contains a description of the system flow of the Consolidated Functions Equity Products system. It is intended to provide the reader with an understanding

of the capabilities of the system.  
Manual, 144 pages

## LY20-0762

SCRIPT/370 SYSTEM GUIDE - IUP NUMBER 5796-PAF  
SCRIPT/380 is an IBM Installed User Program designed for use with Virtual Machine Facility/370. It provides text-processing facilities. It executes as a command of the Conversational Monitor System (CMS), a component of VM/370. This document describes the interface between the SCRIPT program and CMS, the program organization and structure of SCRIPT/370, and the algorithms for text-processing used by it. It is intended for use by programmers who will maintain or modify the system.  
Manual, 50 pages

## LY20-0763

CYCLE-TIME SIMULATOR SYSTEM SYSTEMS GUIDE  
IUP NUMBER 5796-PBC  
This manual contains information on the design and coding of this system. It includes annotated listings of all functions and variables and their uses. It is intended to aid in modifying and maintaining the system and in identifying error conditions.  
Manual, 116 pages

## LY20-0764

ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) REFERENCE  
GUIDE - IUP NUMBER 5796-PBH  
This program provides engineers with a powerful tool for use in the design and reliability analysis of linear and nonlinear electrical networks. Although ASTAP is oriented primarily toward the analysis of electronic circuits, it can also be used to simulate any physical system which can be represented by a network model.  
The program can be used for performing DC and AC steady-state as well as transient analysis. In addition, a Monte Carlo statistical simulation can be performed in conjunction with DC, AC, or transient analysis to predict the effect of component variations on network performance. A common user-oriented input language is provided for describing the network to be analyzed in any of the above modes.  
This Reference Guide describes the network theory and numerical algorithm used by ASTAP. It also relates the algorithms to the code at the functional level.  
Guide, 188 pages

## LY20-0765

ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) - LOGIC MANUAL  
PROGRAM NUMBER 5796-PBH  
The ASTAP Logic Manual describes the programming details and structuring of ASTAP. It is designed to aid those persons responsible for maintaining, updating, modifying, and expanding the ASTAP network analysis program. This manual includes descriptions of the general organization of the program as well as the functions performed by each program phase and subroutine.  
The ASTAP Logic Manual is complemented by the ASTAP Reference Guide (LY20-0764) which provides an explanation of the algorithms and mathematical techniques used by the program.  
Manual, 142 pages

## LY20-0766

IBM WAREHOUSE SIMULATOR SYSTEMS GUIDE - IUP NUMBER 5796-PBK  
This manual contains information on the design and coding of Automatic Storage and Retrieval System Program. It describes the algorithm and program logic used in the ASRS/360 program. It includes program listings and is intended to be used in modifying and maintaining the program.  
Manual, 22 pages

## LY20-0767

IBM MULTIPLANT SOURCING SYSTEM GUIDE - IUP NUMBER 5796-PBL  
IBM Multi-Plant Sourcing is a group of computer programs designed to assist the plants of a multi-plant company in determining the best sources for subproducts manufactured in its plants. The programs develop alternative sourcing decisions taking into consideration such factors as work load, duty and taxes, balance of trade, and export of dollars. This manual contains logic flowcharts and descriptive narratives for the programs. The information in this manual is intended to be used as an aid in making modifications, diagnosing error situations, and performing maintenance work.  
Manual, 84 pages

## LY20-0769

DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING  
SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK  
AND TRUST COMPANY ROCKY MOUNT, NORTH CAROLINA  
SYSTEM GUIDE - PROG. NO. 5796-ABL  
This manual provides information for use in maintaining and making modifications to the system. A detailed description of the DDA Master Record, daily transaction and report records is included. Transaction codes, account types, exception codes and printer layout requirements for special forms are all discussed in detail.  
Guide, 122 pages

## LY20-0770

DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING  
SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK  
AND TRUST COMPANY ROCKY MOUNT, NORTH CAROLINA  
USER'S GUIDE - PROG. NO. 5796-ABL  
This manual was prepared by The Planters National Bank and Trust Company for distribution to their Branch Offices. It was designed to answer many of the normal user questions concerning data which is either required as input to or received as output from the system.  
Guide

## LY20-0771

DATA BASE DESIGN EVALUATION (DBPROTOTYPE) PROGRAM SYSTEM  
GUIDE - IUP NUMBER 5796-PBB  
This manual contains information about the internal logic and organization of the DBPROTOTYPE programs. It is intended to help people involved in program maintenance and alteration.  
Manual, 180 pages

## LY20-0772

PROGRAMMING LANGUAGE FOR IMS-PLIMS SYSTEM GUIDE - IUP  
NUMBER 5796-PBF  
This document is intended as an aid to systems programmers in making modifications, diagnosing error situations, and performing maintenance work. It describes the components of PLIMS, and it discusses the PLIMS utility program.  
Manual, 44 pages

## LY20-0773

IMSMAP - DATA BASE MAPPING PROGRAMS SYSTEM GUIDE - IUP  
NUMBER 5796-PBC  
The IMSMP - Data Base Mapping Programs, DBMAP and PSBMAP, build and print maps of IMS physical and logical data bases from information contained in the data base description (DBD) and program specification block (PSB), respectively. This manual describes the internal logic of the DBMAP and PSBMAP programs.  
Guide, 16 pages

## LY20-0774

BTS (BATCH TERMINAL SIMULATOR) SYSTEMS GUIDE - IUP NUMBER  
5796-PBD  
This publication describes in detail the Batch Terminal Simulator (BTS), its mode of execution and its component modules. The publication also includes a description of, for example: how to change BTS default values, how to add user-written edit modules, and BTS queues and tables.  
Manual, 122 pages

## LY20-0775

TEST IMS UTILITIES PROGRAM SYSTEMS GUIDE - IUP NUMBER  
5796-PBE  
The test IMS utilities include programs to create a test data base, compare an old and a new version of the same data base, list and/or unload all or part of a data base, and format the fields in a data base segment for printing. This manual describes the internal logic of these programs as well as the program used to create and print the segment description module, which contains a physical description of every segment and field in a data base.  
Manual

## LY20-0776

JAMES ALLAN & SONS - ON-LINE ORDER SYSTEM - SYSTEMS GUIDE  
PROGRAM NUMBER 5796-ABK  
The purpose of this manual is to provide the user with information on how to modify, maintain and implement this system. This is provided by a discussion of program modification aids, a list of installation tasks, and list of general notes and terminology to aid the user.  
Manual, 68 pages

## LY20-0778

MULTICOLUMN DISTILLATION PROGRAM SYSTEMS GUIDE - IUP NUMBER  
5796-PAH  
The Multicolumn Distillation Program is a fast, efficient, and versatile program that solves the steady-state distillation problem for one column or for a battery of columns with or without recycle. This manual is directed toward system analysts and programmers with responsibility for the solution of distillation problems. This manual includes (1) descriptions of the algorithms used in the program, (2) brief descriptions for modifying the input, output, and thermodynamic routines, (3) description of the secondary storage, and (4) definitions of all of the variables used in the program.  
Manual, 204 pages

## LY20-0779

S/360/370 FILM LIBRARY MANAGEMENT SYSTEM (FLMS) SYSTEMS  
GUIDE - IUP NUMBER 5796-ACW  
Film Library Management System (FLMS) provides a comprehensive online management system for film libraries in colleges and universities, school systems, government agencies, and media companies. FLMS features online booking, file update, and inquiry via the IBM 3270 Display System Operating under OS/CIICS, allowing operational and

management control to be retained by the film library staff. The Systems Guide is needed for system generation and program modifications. Guide, 35 pages

## LY20-0787

IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT) - LOGIC MANUAL - PROGRAM NUMBER 5734-G21 - FEATURE CODE 8059  
This manual details the program logic of FASTER MT, discussing each system routine and its functions within the basic components identified as Line Control, Interface and Message Processor. Internal controls are described for the benefit of installation programmers or systems engineers. The information in this manual is not needed, ordinarily, by operations or applications personnel.

Data-control flowcharts, line-control flowcharts, and program listings are logical parts of this manual and are made available in machine-readable form. See the Application Directory for a description of the distribution medium.  
Manual, 92 pages

## LY20-0788

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) AUTOMOBILE ENHANCEMENTS - PROGRAM NUMBER 5736-N24 SYSTEM REFERENCE MANUAL

The purpose of this manual is to describe the PALIS Automobile Enhancements program logic and all modifications made to the PALIS Automobile Program (360A-IF-11X), the PALIS Basic Program (360A-IF-10X), and the PALIS Additional Functions program product (5736-N21) to coincide with the enhancements functions. This manual is to be used in conjunction with the PALIS Automobile Premium Processing Program Description and System Manual (GH20-0499), the PALIS Automobile Claims Processing Program Description and System Manual (GH20-0500), the PALIS Basic Program Description and System Manual (GH20-0497), and the PALIS Basic Program Operations Manual (GH20-0498).  
Manual, 110 pages

## LY20-0792

BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC INSTITUTIONS - LICENSED PROGRAM PRODUCT MANUAL PROGRAM NUMBER 5736-G25

BACIS is a budget preparation and appropriation accounting system for cities, counties, states, school districts, hospitals, colleges, universities and other public institutions. This manual contains the flowcharts and supporting narrative for the operational logic included within this information system.  
Manual, 169 pages

## LY20-0793

MARKETABLE SECURITIES INVENTORY SYSTEM - LOGIC MANUAL PROGRAM NUMBER 5799-ABY

The Marketable Securities Inventory System makes it possible to automate the handling of an investment securities portfolio. This programming RPQ is available on special quotation only (see inside front cover). It includes facilities for edit, update, and audit control of all input data relating to the portfolio. Input to the system includes interest income, security market values, trades, and tax adjustments. The system produces reports summarizing activity, portfolio status and performance, and various income and tax accounting information.

This manual contains detailed information on the logic flow and coding of programs useful in modifying the program, diagnosing error situations, and maintaining the program.  
Program Product Manual

## GY20-0795

CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 1 PROGRAM NUMBER 360A-CX-42X

This publication describes the internal logic of the executive and utility programs for the CALL-OS system. This system is a personal time-sharing computing system, which can be run in either an MFT or MVT environment.

This volume contains introductory information, programming conventions, the executive overview, and descriptions of the modules which comprise the executive program.

Note: The CALL/360-OS system has been renamed the CALL-OS system. Thus, documentation of Version 2 of the CALL/360-OS system refers to the system as CALL-OS.  
Manual, 200 pages

## GY20-0796

CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL - VOLUME 2 PROGRAM NUMBER 360A-CX-42X

This publication describes the internal logic of the executive and utility programs for the CALL-OS system. This system is a personal time-sharing computing system, which can be run in either an MFT or MVT environment.

This volume contains a description of the modules which comprise the utility programs.

Note: The CALL/360-OS system has been renamed the CALL-OS system. Thus, documentation of Version 2 of the CALL/360-OS system refers to the system as CALL-OS.  
Manual, 76 pages

## GY20-0797

CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 3 PROGRAM NUMBER 360A-CX-42X

This publication describes the internal logic of the executive and utility programs for the CALL-OS system. This system is a personal time-sharing computing system, which can be run in either an MFT or MVT environment.

This volume contains appendices which provide a module reference index, control block and data set formats, equivalency codes, character set comparisons, and macro instructions.

Note: The CALL/360-OS system has been renamed the CALL-OS system. Thus, documentation of Version 2 of the CALL/360-OS system refers to the system as CALL-OS.  
Manual, 220 pages

## GY20-0798

CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 4 PROGRAM NUMBER 360A-CX-42X

This publication describes the internal logic of the executive and utility programs for the CALL-OS system. This system is a personal time-sharing computing system, which can be run in either an MFT or MVT environment.

This volume contains all the flowcharts in alphabetical order according to the symbolic name of the module or subroutine.

Note: The CALL/360-OS system has been renamed the CALL-OS system. Thus, documentation of Version 2 of the CALL/360-OS system refers to the system as CALL-OS.  
Manual, 636 pages

## LY20-0800

PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) HOME OWNERS ENHANCEMENTS - SYSTEM REFERENCE MANUAL FEATURE NUMBER 8105 - PROGRAM NUMBER 5736-N25

The Property and Liability Information System Homeowners Enhancements program product provides additional insurance data processing functions for the PALIS user. The Annualization enhancement permits the user to use annual rates in conformity with the MLIRB Annualization program edition 2-70. The Factored Rating enhancement allows the utilization of factors in connection with the rating of basic premium for forms HO-1, HO-2, HO-3, and HO-5. The continuous policy renewal option provides for the maintenance of one physical master record and one policy number for the entire life of a policy by the use of the continuous policy history record. Program logic has been included to provide for claims coverage verification and the creation of a loss face sheet extract which includes sufficient information for the generation of loss statistics. The declarations extract has been enlarged to provide additional premium statistical information.

The purpose of this manual is to describe the PALIS Homeowners Enhancements program logic and all modifications made to the PALIS Additional Functions program (5736-N21) and the PALIS Basic Program (360A-IF-10X) to coincide with the enhancement functions. This manual is to be used in conjunction with the PALIS Homeowners Premium Processing Program Description and System Manual (LY20-0461), the PALIS Homeowners Claims Processing, Program Description and System Manual (LY20-0462), the PALIS Basic Program, Program Description and System Manual (GH20-0497), and the PALIS Basic Program, Operations Manual (GH20-0498).  
Manual, 108 pages

## LY20-0804

MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS: LOGIC MANUAL, PROG. NOS. 5703-XM2 (SYSTEM/3) AND 5734-XM8 (ITF AND VM/370-CMS); FEATURE NOS. 8017, 8153

This manual contains the source code listings and the description of the computational blocks which are the basis of the MATH/BASIC routines for System/3, Model 6 and System/360 or System/370.  
Manual, 268 pages

## LY20-0808

PLANNING SYSTEMS GENERATOR II (PSG II) DOS LOGIC MANUAL PROGRAM NUMBER 5736-XT1

Planning Systems Generator II (PSG II) DOS permits the user to rapidly produce and evaluate a variety of financial plans. It offers a simple method for specifying planning data, for establishing computational logic to be applied to the data, and for generating data displays and reports.

PSG II may be applied to the solution of planning problems for financial management and also for any division or department of a company with a planning function such as personnel or manpower planning, marketing projections, budget planning, etc.

Users of this manual should be familiar with the following publications:

Planning Systems Generator II (PSG II) DOS:  
Operations Guide (SH20-1164)

Planning Systems Generator II (PSG II) DOS:  
Program Reference Manual (SH20-1174)

The purpose of this manual is to assist the systems analyst in maintaining and/or modifying PSG II.  
Manual, 168 pages

## LY20-0809

GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE PL/I QUERY SUPPORT FEATURE PROGRAM NUMBER 5734-XX1



The following pages provide design and internal logic documentation for the above-named feature. These pages replace correspondingly numbered "reserved" pages in the System Manual provided with the Basic Retrieval System package.  
Manual, 34 pages

## LY20-0819

INTERACTIVE TRAINING SYSTEM LOGIC MANUAL VOLUME 1 (BASIC)  
This publication contains detailed descriptions of the basic control functions of the Interactive Training System, and provides information necessary to allow system programmers to maintain and modify the operation of the training system.  
Manual, 124 pages

## LY20-0820

INTERACTIVE TRAINING SYSTEM LOGIC MANUAL VOLUME 2: FLOWCHARTS - PROG. NO. 5734-XXC  
This publication contains the flowcharts showing the execution logic of the training system. It is used in conjunction with Volume I of the Logic Manual and the program listings by those persons responsible for the maintenance and modification of the Interactive Training System.  
Manual, 435 pages

## LY20-0821

INTERACTIVE TRAINING SYSTEM COURSE STRUCTURING FEATURE LOGIC MANUAL  
The Course Structuring Feature provides those capabilities required for the creation and presentation of the training materials to be presented to the students of a training system. This publication is an addendum to Volume I and II of the Logic Manual. It contains the descriptions and flowcharts for the Course Structuring Feature.  
Manual

## LY20-0823

DATA/360 - II LOGIC MANUAL - PROGRAM NUMBER 5734-XSB  
No abstract available.  
Manual, 116 pages

## LY20-0825

SECURITIES ORDER MATCHING LOGIC MANUAL FEATURE NUMBER 8113 PROGRAM NUMBER 5734-F32  
This logic manual contains the detailed descriptions and program flowcharts of the Securities Order Matching (SOM) internal program modules. Its primary purpose is for those users who are modifying the system for their installations and for those engaged in maintaining the program.  
Securities Order Matching operates in a multiprogramming environment under the Telecommunications Control System (TCS) and the Operating System (OS). It permits users in the securities industry to record and match orders and executions automatically through an online system during the trading day. The use of 2260 Display Stations provides exceptions clerks with the ability to communicate with the SOM online system and its files to resolve problems as they occur. SOM also provides the user with daily trading reports for wire and order rooms, produces input to the back office processing, and provides additional input for optional user-written programs and reports.  
Manual, 549 pages

## LY20-0826

MPSX AND GENERALIZED UPPER BOUNDING LOGIC MANUAL - PROGRAM NUMBER 5734-XM4  
No abstract available.  
Manual, 62 pages

## LY20-0827

CHECK PROCESSING CONTROL SYSTEM (CPCS) LOGIC MANUAL - PROG. NO. 5734-F11  
This manual contains detailed information useful for program modification, error diagnosis, and maintenance. The presentation of the details for each of the program modules that comprise CPCS is achieved through the use of program flowcharts with descriptive narratives. The narrative is directly linked to the flowchart at key points by means of the programming labels. This will enable the reader to identify any program segment in the narrative, examine its symbolic representation relative to the remainder of the flowchart, and finally, examine the source coding associated with the label on a listing from the program tape.  
This document is written as a reference manual. Before using this manual the reader should be thoroughly familiar with the following manuals: Check Processing Control System (CPCS) General Information Manual (GH20-1008), Check Processing Control System (CPCS) Program Reference Manual (SH20-1227), Check Processing Control System (CPCS) Operations Guide (SH20-1228), and Check Processing Control System (CPCS) Terminal Operations Guide (SH20-1229).  
Manual, 444 pages

## LY20-0829

INTERACTIVE QUERY FACILITY (IQF) TO IMS/360 SYSTEM MANUAL VOLUME V - PROGRAM NUMBER 5736-XX6  
No abstract available.

Manual, 494 pages

## LY20-0835

EPIC: SOCRATES STUDENT SCHEDULING SYSTEMS FOR EDUCATIONAL INSTITUTIONS - LOGIC MANUAL - PROG. NO. 5735-E91  
EPIC: SOCRATES consists of a series of interrelated Manual

## LY20-0837

EPIC: BUDGET/FINANCE LOGIC MANUAL - PROGRAM NUMBER 5735-E93  
No abstract available.  
The EPIC: Budget/Finance program product uses a comprehensive systems approach to the budgetary and financial control tasks of educational institutions. The package consists of a series of interrelated programs which provide for establishment of and changes to budgetary account controls, and for detailed control of the daily accounting transactions that impact budgeted funds. All aspects of the educational institution's financial structure, such as purchasing, cafeteria, and payroll, may feed transaction data into the system. The features provided by the program cover a variety of accounting needs, among which are line items, historical recap, budgetary projection, and flexible reporting.  
Manual, 188 pages

## LY20-0840

BUSINESS ANALYSIS/BASIC LOGIC MANUAL, PROG. NOS. 5703-XM3 (SYSTEM/3 MODEL 6) AND 5734-XMB (ITF-OS/DOS/TSO, VM/370-CMS)  
Business Analysis/BASIC contains 30 routines which permit the user to interact with the computer. All routines are written in the BASIC language for implementation on the System/3 Model 6, ITF (OS, DOS, TSO), and VM/370-CMS. The routines are designed to ask the user to enter his problem parameters and data and to make decisions at key points in the analysis. Options are provided for enhanced operating convenience and flexibility.  
This manual provides the logic description, functional flowchart, and program listings for each routine included in the package.  
Manual, 208 pages

## LY20-0842

TELECOMMUNICATIONS CONTROL SYSTEM (TCS) LOGIC MANUAL FEATURE NUMBER 8112 - PROGRAM NUMBER 5734-F31  
This manual describes the internal program logic and operation for the Telecommunications Control System (TCS). The general description section contains the functional and logical concepts of TCS and places the program in perspective relative to the Operating System (OS) and the Telecommunications Access Method (TCAM). This section also defines the audience for which this manual was intended and the background knowledge required.  
Additional sections are included on method of operation, program organization, and the edit application program. The last section contains program flowcharts.  
Manual, 590 pages

## LY20-0845

HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM LOGIC MANUAL - PROG NOS. 5734-H11 (OS, OS/VS) 5736-H15 (DOS, DOS/VS)  
The Health Care Support/Electrocardiogram (ECG) Analysis Program provides batch processing for the computerized analysis of electrocardiograms. The program is written in Basic Assembler Language and PL/I.  
This publication contains flowcharts for all program routines, layouts of common area variables, and storage allocations for all routines. It is intended for use by programmers wishing to learn more about the program operation and for those engaged in program modification.  
Manual, 124 pages

## LY20-0848

EPIC: FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL INSTITUTIONS LOGIC MANUAL - PROGRAM NUMBER 5735-E92  
EPIC: FAST consists of a series of interrelated programs that address the scoring, analysis and reporting tasks of standardized test results. The program product is designed to operate under OS or DOS, on a System/360 or System/370, to operate on an IBM 1130 or to operate on a System/3.  
This manual presents the internal logic of the FAST programs through flowcharts and narrative. The content is intended specifically for systems engineers, analysts, and installation programmers who may be modifying the system or converting from an earlier FAST development. The manual is not required for operating.  
Manual, 216 pages

## LY20-0851

EPIC: STUDENT RECORD SYSTEM FOR EDUCATIONAL INSTITUTIONS LOGIC MANUAL - PROGRAM NUMBER 5735-E94  
This logic manual covers the EPIC: Student program product which establishes a student-record data base. A series of interrelated programs provide a systematic procedure for the collection and reporting of student academic and attendance information. This manual's contents are essential to maintaining or altering the program product.  
Manual, 216 pages

LY20-0859

ALPHA SEARCH INQUIRY SYSTEM LOGIC MANUAL - PROGRAM PRODUCT 5736-N14

This manual provides detailed flowcharts of each of the programs and subroutines which comprise the Alpha Search Inquiry System. Register usage, core allocation, and program switches are also defined.  
Manual, 160 pages

LY20-0862

SYSTEM/370 APT-AC NUMERICAL CONTROL PROCESSOR LOGIC MANUAL VOLUME 1 - PROG. NO. 5740-M53

This manual presents the functional design of the System/370 Automatically Programmed Tool - Advanced Contouring (APT-AC) Program Product. An overview is presented showing the relationship between the major components of the Program Product. A detailed discussion of the components and their several parts is also included. Block flowcharts and the accompanying narratives are included for the description of both the overview and the components. A discussion of the storage allocation requirements for the components and the overall system in the context of the Operating System environments is also presented.  
Manual, 1799 pages

LY20-0863

S/370 APT-IC NUMERICAL CONTROL PROCESS LOGIC MANUAL - PROGRAM NUMBER 5740-M52

The Logic Manual presents the functional design of the System/370 Automatically Programmed Tool-Intermediate Contouring (APT-IC) Program Product. An overview is presented showing the relationship between the major components of the Program Product. A detailed discussion of the components of the Program Product. A detailed discussion of the components and their several parts is also included. Block flowcharts and the accompanying narratives are included for the description of both the overview and the components. A discussion of the storage allocation requirements for the components and the overall system in the context of the operating System environments is also presented.  
Manual, 1, 688 pages

SY20-0864

SYSTEM/370 APT-BP NUMERICAL CONTROL PROCESSOR LOGIC MANUAL PROGRAM NUMBER 5740-M51

The Logic Manual presents the functional design of the System/370 Automatically Programmed Tool - Basic Positioning (APT-BP) Program Product. An overview is presented showing the relationship between the major components of the Program Product. A detailed discussion of the components and their several parts is also included. Block flowcharts and the accompanying narratives are included for the description of both the overview and the components. A discussion of the storage allocation requirements for the components and the overall system in the context of the Operating System environments is also presented.  
Manual

LY20-0866

CREDIT MANAGEMENT SYSTEM LOGIC MANUAL - PROGRAM NUMBER 5799-ADF

This manual contains information needed to understand the program logic of the Credit Management System. This programming RPQ is available on special quotation only (see inside front cover). All program modules are identified, categorized, and explained through narrative discussions and flowcharts. System tables and work are described. The user of this manual must be familiar with the logic of the Customer Information Control System (5734-XX7) and the Display Management System (5734-XC1).

This manual is intended for use by system programmers and application programmers.  
Manual, 270 pages

LY20-0870

DISPLAY MANAGEMENT SYSTEM II (DMS II) OS/VS LOGIC MANUAL PROGRAM NUMBER 5734-XC4

This manual contains the flowchart narrative and flowcharts for Display Management System II Programs. It is intended for system analysts and programmers charged with maintaining the system.  
Manual, 240 pages

LY20-0921

RESPONSIBILITY ACCOUNTING SYSTEM THE PHILADELPHIA NATIONAL BANK SYSTEM GUIDE - IUP NUMBER 5796-ACA

The RESPONSIBILITY ACCOUNTING SYSTEM is a general ledger, cost accounting and budget performance monitoring system. It is implemented in a batch environment utilizing the Data Language/I facility of the Information Management System program product.

The manual contains detailed program logic descriptions.  
Guide, 170 pages

LY20-0923

GENERALIZED CREATE/REORGANIZE UTILITY SYSTEM FOR S/370 EASTMENT KODAK SYSTEMS GUIDE - IUP NUMBER 5796-ACZ

The S/370 Generalized Create/Reorganize Utility System provides the Chained File Management System (CFMS) user the

capability of decreasing file reorganization time by as much as ten to one. The system provides a highly efficient generalized set of utilities for creation and maintenance of CFMS files (both BDAM and ISAM). Major functions include high speed dump and restore of both BDAM and ISAM files, reorganization of individual chained files, expansion of master file space between reorganizations, and enhanced record addition capabilities for ISAM files. Any CFMS user currently expending 10 or more hours per month on reorganizations should achieve enough savings in the first 6 months of operation to justify the paid up license of this IUP.  
Manual, 40 pages

LY20-0924

DISTRIBUTION ORDER ENTRY SYSTEM LAG DRUG COMPANY CHICAGO, ILLINOIS SYSTEM GUIDE - PROGRAM NUMBER 5796-ABT

An in-depth description of all programs in the LAG ORDER ENTRY SYSTEM can be found in this manual. Each program is outlined as to what its purpose is and a general overview as to what processing takes place. Flowcharts have been prepared for every program along with data fields and message listings. A section on installation and modification has been included to assist in implementing the system.  
Manual, 204 pages

LY20-0925

FREIGHT BILL AUDIT AND RATING SYSTEM - SYSTEMS GUIDE PROGRAM NO. 5796-APJ

This manual provides the information needed by those persons who are involved in the maintenance and modification of the Freight Bill Audit & Rating System.  
Manual, 204 pages

LY20-0926

MICR OS TRANSIT SYSTEM SYSTEM/370 OS THE INDIANA NATIONAL BANK, INDIANAPOLIS, INDIANA SYSTEMS GUIDE - PROGRAM NUMBER 5796-ADG

This manual provides information for use in maintaining and making modifications to the system. A detailed description of each file is included.  
Manual

LY20-0931

3270 FORMATTING FEATURE FOR BTS, IUP 5796-PBD, SYSTEM GUIDE (FEATURE 8073)

This publication describes in detail the BTS 3270 formatting feature. Its mode of operation and its modular interfaces are described, as well as the queues, tables, directories, and control blocks used specifically by the 3270 formatter.

It is assumed that the reader of this publication is familiar with the functions and names of BTS modules, IMS/360 application program calls, and the IMS/360 Message Formatting Service. The reader should also be familiar with the publication BTS Batch Terminal Simulator Systems Guide, Order No. LY20-0774.

The 3270 Formatting Feature is an expansion of the Batch Terminal Simulator IUP (5796-PBD); which is described in Availability Notice G320-1523. BTS allows IMS batch, batch message and message processing programs to be tested without having teleprocessing hardware installed. The addition of the 3270 Formatting Feature provides the ability to test applications using the IMS Message Formatting Service (MFS) without the use of 3270 hardware. This means that development of new online applications, or conversion of batch programs for online use, can proceed while still in the batch only test/development mode.  
Manual, 89 pages

LY20-0932

TEST DATA GENERATOR SYSTEMS GUIDE PROGRAM NO. 5796-PBB FEATURE NUMBER 8064

This manual contains information about the internal logic and organization of the Test Data Generator.

It is intended to assist in the maintenance and alteration of the program.  
Manual, 220 pages

LY20-0936

DISTRIBUTION ORDER ENTRY SYSTEM FOR SYSTEM 360/370 WITH 3270'S 3340 SUPPORT IUP 5796-ABT, SYSTEM GUIDE

The Lag Drug visual display technique can provide needed information quickly to order takers. Companies that take orders over the telephone require immediate information concerning their customers, warehouse inventory current prices, discounts, free goods, special deals or promotions. Utilizing a flexible, combination approach of alpha dictionary or numeric customer service because items ordered are agreed upon with the customer and then entered correctly. This System not only helps increase customer service but also means less returned merchandise, sales increase, warehouse efficiency, reduction in order entry, lower investment and continuous increased performance. This feature supporting the 3340, is an added feature to the original DOES System.

This manual contains descriptions of the Programs Components which should be used with its listings. The information presented is intended to be used as an aid in modification, maintenance, and error correction.  
System guide

LY20-0937

DATA COMMUNICATIONS ANALYZER (DCANALYZER)  
PROGRAM NUMBER 5796-PCA

The Data Communication Analyzer (DCANALYZER) program is designed to assist the user in evaluating design alternatives for IMS data base/data communication systems. It produces relative data on service times and throughput of transactions processed on iterative runs of DCANALYZER under varying design combinations. The user can analyze and compare this data to select the design best suited to his needs.

This manual contains information about the internal logic and organization of the DCANALYZER program. It is intended to assist in program maintenance and alteration. Manual, 56 pages

LY20-0938

FREIGHT BILL AUDIT & RATING SYSTEM USERS GUIDE  
PROG. NO. 5796-AEJ

This manual was prepared by the Goodyear Tire & Rubber Co. for the use of traffic department personnel who will be interfacing with the data processing department. This manual describes how the system works and will aid in the maintenance and modification of the users traffic pattern data base. Manual, 96 pages

LY20-0940

TERMTEXT/FORMAT SYSTEM GUIDE - PROG. NO. 5796-PBR  
FEATURE NUMBER 8070

This publication describes the TERMTEXT/Format program. It explains the function and internal logic, the techniques used in implementing the program, the modules of which it consists, and its operation.

The publication is written for system programmers who, within the scope of their work, are concerned with the operation and internal logic of TERMTEXT/Format (rather than with its application).

System programmers may use this publication both as an introduction to the function and internal logic of TERMTEXT/FORMAT - that is, to become familiar with its overall structure and operation - and as a reference manual to locate some item of information that pertains to a specific program element. Manual, 144 pages

LY20-1200

CPS UNDER TSO LOGIC MANUAL (PRPQ) - PROGRAM NUMBER 5799-ADY

No abstract available.  
Manual, 218 pages

LY20-2006

CREDIT MANAGEMENT SYSTEM II LOGIC MANUAL  
PROD. NO. 5799-AHJ

This manual describes the logic of the Credit Management System II Programming RPQ to Display Management System II. It contains flowcharts and flowchart narratives to assist the user in understanding the internal structure of the programs and modules constituting the system. Manual, 234 pages

LY20-2007

PLANNING SYSTEMS GENERATOR ON VM/370 (PSG/CMS): LOGIC MANUAL  
PROG. NO. 5748-XT1

The purpose of this manual is to assist the systems analyst in supporting and/or modifying PSG/CMS.

Planning Systems Generator under the Conversational Monitor System (PSG/CMS) permits the user to rapidly produce and evaluate a variety of financial plans. It offers a simple method for specifying planning data, for establishing computational logic to be applied to the data, and for generating data displays and reports. PSG/CMS data, and for generating data displays and reports. PSG/CMS allows business planners and financial analysts to develop and generate business plans and financial reports, from a terminal on the VM/370.

PSG/CMS may be applied to the solution of planning problems for financial management and also for any division or department of a company with a planning function such as personnel or manpower planning, marketing projections, budget planning, etc.

Users of this manual should be familiar with Planning Systems Generator on VM/370-CMS (PSG/CMS) Operations Guide (SH20-1469) and Planning Systems Generator on VM/370-CMS (PSG/CMS) Terminal User's Guide (SH20-1468). Manual, 148 pages

LY20-2009

INTERACTIVE TRAINING SYSTEM EXPANDED COURSE STRUCTURING  
FEATURE LOGIC MANUAL PROGRAM NUMBER 5734-XXC

The IBM Interactive Training System provides a realtime training environment for users of the IBM Information Management System/360 V2 and the IBM Customer Information Control System/OS-STANDARD V2.

The Expanded Course Structuring feature provides those capabilities required for the creation and presentation of the training materials to be presented to the students of a training course.

This publication is an appendix to Volume I of the Logic Manual. It contains the descriptions and flowcharts for the Expanded Course Structuring feature.

Manual, 34 pages

LY20-2013

IBM SYSTEM/370 MACHINING AND DISPLAY APPLICATION PROGRAM  
(MDAP) FOR IBM 5175 DIRECT NUMERICAL CONTROL STATION OS/VS  
LOGIC MANUAL, PROG. NO. 5740-XN2

The System/370 OS/VS Machining and Display Application Program (MDAP) provides programming support for the IBM 5275 Direct Numerical Control Station under OS/VS. This manual provides detailed logic descriptions of the programs, modules, and utilities contained in OS/VS-MDAP. Manual

LY20-2014

IBM SYSTEM/370 MACHINING & DISPLAY APPLICATION PROGRAM  
(MDAP) FOR IBM 5275 DIRECT NUMERICAL CONTROL STATION  
LOGIC MANUAL - PROG. NOS. 5746-XN2 (DOS/VS)

The System/370 DOS/VS Machining and Display Application Program (MDAP) provides programming support for the IBM 5275 Direct Numerical Control Station under DOS/VS. This manual provides detailed logic descriptions of the modules and tables contained in the DOS/VS version of MDAP. Manual, 286 pages

LY20-2016

HEALTH CARE SUPPORT/DATA COMMUNICATIONS PROGRESS LOGIC  
MANUAL PROGRAM NUMBER 5746-H13

It is assumed that the reader is generally familiar with the Disk Operating System/Virtual Storage (DOS/VS) (5745-010), the Customer Information Control System (CICS-DOS Standard) (5736-XX7), the Health Care Support/Accounting Base Program (5746-H14), and the Health Care Support/Accounting Application Program (5746-H14.)

The information contained in this manual is of interest to persons maintaining or modifying Health Care Support/Data Communications. Manual, 32 pages

LY20-2017

HEALTH CARE SUPPORT/LABORATORY INFORMATION  
SYSTEM - REPORTING LOGIC MANUAL PROGRAM NUMBERS 5746-H12

The IBM Health Care Support/Laboratory Information System - Reporting provides data processing support for hospital clinical laboratories. Operating with the Accounting Base Program of the Health Care Support/Accounting System, the programs handle batched input of laboratory requisitions and test results, producing laboratory reports for use throughout the hospital.

The program design allows tailoring of formats and procedures to meet the separate needs of several hospitals sharing a common computer. Input and output of the system may, as an option, use the Health Care Support/Data Communications Program allowing remote data entry and report production. The laboratory application programs complement the accounting application programs through the use of a common admission procedure and automatic charge generation.

This manual contains detailed program information useful for program modification, error diagnosis, and maintenance. The manual contains detailed descriptive information on the logical operation of each program, through program flowcharts. Most flowcharts narratives are general, but more detail has been included for the complicated programs.

This document is written as a reference manual. Before using this manual the reader should be thoroughly familiar with the following manuals for the Health Care Support/Laboratory Information System--Reporting: General Information Manual (GH20-1190), Laboratory Manual (SH20-1504), Program Reference Manual (SH20-1503), Operations Guide (SH20-2017). Manual, 255 pages

LY20-2018

HEALTH CARE SUPPORT/ACCOUNTING SYSTEM BASE PROGRAM -  
LOGIC MANUAL PROGRAM NUMBER 5746-H14

The Health Care Support/Accounting System provides hospital accounting for a standalone or multiple hospital environment. The participating hospitals may be connected to the central System/370 facility by teleprocessing terminals. The Accounting System consists of the Accounting Base Programs (5746-H14) and an Accounting Applications feature (6001, 6002, 6003).

The base programs provide services which are used by the Accounting Applications feature (6001, 6002, 6003) and are also used by other programs such as:

- Health Care Support/Data Communications Program (5746-H13)
- Health Care Support/Laboratory Information System (5746-H12)

This manual contains detailed program information useful for program modification, error diagnosis, and program maintenance. The manual contains detailed descriptive information on the logical operation of each program. Most logic narratives are general - more detail has been included for the complicated programs. Labels and symbols programmed switches, program indicators, register usage, special techniques, program modification notes, and service subprogram usage are defined for each system program.

This document is written as a reference manual. Before using this manual the reader should be thoroughly familiar with the following manuals:

- General Information Manual (GH20-1179)

Program Reference Manual (SH20-1494)  
Operations Guide (SH20-1501)  
Manual, 81 pages

## LY20-2019

HEALTH CARE SUPPORT/ACCOUNTING SYSTEM VERSION 1 ACCOUNTING APPLICATION FEATURE LOGIC MANUAL - PROG. PROD. 5746-H14  
The Program Logic Manual describes the internal design or logic of the subject program. This manual is intended for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of this publication is limited to persons with maintenance and alteration requirements.  
One microfiche listing of this licensed program is available from Mechanicsburg to each licensee under the licensing agreement. This listing is also available to IBMers on a need-to-know basis.  
Manual

## LY20-2020

PLANNING SYSTEMS GENERATOR UNDER THE OS/VS2 TIME SHARING OPTION (PSG/TSO) LOGIC MANUAL - PROG. NO. 5740-XT1  
Planning Systems Generator under the OS/VS2 Time Sharing Option (PSG/TSO) permits the user to rapidly produce and evaluate a variety of financial plans. It offers a simple method for specifying planning data, for establishing computational logic to be applied to the data, and for generating data displays and reports. PSG/TSO allows business planners and financial analysts to develop and generate business plans and financial reports, from a terminal, under OS/VS2 TSO.  
PSG/TSO may be applied to the solution of planning problems for financial management and also for any division or department of a company with a planning function such as personnel or manpower planning, marketing projections, budget planning, etc.  
Users of this manual should be familiar with the following publications:  
Planning Systems Generator under the OS/VS2 Time Sharing Option (PSG/TSO) Operations Guide, GH20-1508  
Planning Systems Generator under the OS/VS2 Time Sharing Option (PSG/TSO) User's Guide SH20-1509  
The purpose of this manual is to assist the systems analyst in maintaining and/or modifying PSG/TSO.  
Manual, 206 pages

## LY20-8004

INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS) SYSTEM MANUAL - VOLUME I - NARRATIVE - PROG. NO. 5740-XX2  
This publication is intended for programming support representatives and system programmers who maintain the IBM Information Management System/Virtual Storage (IMS/VS). It describes each module of the IMS/VS program. It also describes macros used and control blocks. This information is to assist persons who wish to alter the design of these modules. Before reading this manual, you should be familiar with OS/VS and its system generation, telecommunications, and the access methods used by IMS/VS.  
Manual

## LY20-8005

INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS) SYSTEM MANUAL VOLUME II - FLOWCHARTS PROG. NO. 5740-XX2  
This manual contains flowcharts for all modules of the IMS/VS control program. The flowcharts were coded using the IBM program OSFLOW. The only symbol on these flowcharts which requires explanation is the # (pound sign). This symbol signifies, "See note at bottom of flowchart page." Other abbreviations and symbols (for example, GU, meaning Get Unique) are conventional with IMS/VS. This manual follows the outline of Volume I.  
Manual, 594 pages

## LY20-8006

CUSTOMER INFORMATION CONTROL SYSTEM/OPERATING SYSTEM/VIRTUAL STORAGE (CICS/OS/VS) PROGRAM LOGIC MANUAL  
The IBM Customer Information Control System/Virtual Storage, (CICS/VS) is a transaction-oriented, multiapplication data base/data communication interface between a System/370 operating system and user-written application programs. It is available as two program products: CICS/OS/VS, which runs in an OS/VS1 or OS/VS2 environment; and CICS/DOS/VS, which runs under DOS/VS. Applicable to most online systems, CICS/VS provides many of the facilities necessary for standard terminal application: message switching, inquiry, data collection, order entry, and conversational and batch data entry.  
The information contained in this manual is of interest to persons maintaining and modifying the operation of CICS/OS/VS.  
Manual, 758 pages

## LY20-8007

CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/VS) PROGRAM LOGIC MANUAL - PROG. NO. CICS/DOS/VS 5746-XX3  
The IBM Customer Information Control System/Virtual Storage (CICS/VS) is a transaction oriented, multiapplication data

base/data communication interface between a System/370 operating system and user-written application programs. Applicable to most online systems, CICS/VS provides many of the facilities necessary for standard terminal applications: message switching, inquiry, data collection, order entry, and conversational and batch data entry.

CICS/VS is available as two program products: CICS/OS/VS, which runs in an OS/VS1 or OS/VS2 environment; and CICS/DOS/VS, which runs under DOS/VS. Because the CICS/DOS/VS system is compatible with the CICS/OS/VS system, it is possible to start with a small DOS/VS data base/data communication configuration and more up through DOS/VS into OS/VS.

The information contained in this manual is of interest to persons maintaining and modifying the operation of CICS/DOS/VS.  
Manual, 670 pages

## GY20-8500

IBM SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360A-TX-032  
This publication is intended for system programmers and people who want to understand System/370 DSP internal operations. It describes the units of processing (functions) and units of code (modules) of System/370 DSP. System/370 DSP, enables a System/370 or System/360 and multiple System/7s, interconnected via a start-stop TP link, to function as an integrated system with distributed facilities. System/370 DSP provides System/370 or System/360 users of OS MFT or MVT systems with twenty external functions. The functions are invoked by subrouting calls which can be made from any region or partition by programs written with OS Assembler, FORTRAN, or PL/1 languages.

System/370 DSP provides System/7 users with nine external functions. They are invoked by executing macro statements as supported by the System/7 Host Preparation Facility II (HPPFII).

This publication is divided into the following sections: Introduction, Method of Operation, Program Organization, Directory, Data Areas, and Diagnostic Aids. The last section discusses how to find the causes of errors that are detected during System/370 DSP processing.

The System/370 or System/360 reader is expected to be familiar with OS MVT or MFT processing with multiple subtasking capabilities using the BTAM, BDAM, and BSAM access methods. The System/7 reader is expected to be familiar with System/7 MSP/7 processing, using the \$COMM and #COMM MSP/7 support of the Asynchronous Communication Control Adapter (ACCA) feature.  
Manual, 465 pages

## GY21-0001

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT FORTRAN IV (16K CARD) PROGRAM LOGIC MANUAL PROGRAM NUMBER 360P-FO-205  
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.  
Systems Reference Library Manual, 160 pages

## GY21-0004

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DISTRIBUTION PROGRAM, PROGRAM NUMBER 360P-UT-208  
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.  
Systems Reference Library Manual, 36 pages

## LY21-0014

IBM DOS RPG II LANGUAGE PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-RG1  
This publication describes the internal logic of the RPG II compiler, object program, and formatted dump program. It is intended as a recall mechanism and a debugging aid. As a debugging aid, this manual serves best as a guide to sequences of instructions found in the coding of the program.

This manual is divided into three parts describing the internal logic of the RPG II program. The first part describes the RPG II compiler, the second part describes the object program, and the third part the RPG II formatted dump program. Each part includes the following areas:

- o Introduction.
- o Method of Operation.
- o Program Organization.
- o Directory.
- o Data Areas.

The information necessary to implement the program is not included in this publication.  
Manual, 240 pages

LY21-0021

IBM SYSTEM/360 IBM 1288 BASIC UNFORMATTED READ SYSTEM PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-UT1

This publication describes the internal logic of the data capture program. This includes the following areas:

- Method of operation
- Program organization
- Data area formats

This manual is intended as a recall mechanism and a debugging aid. It does not include information necessary to implement the program.

Program Logic Manual, 88 pages

LY21-0022

IBM 1288 BASIC UNFORMATTED READ SYSTEM (MFT/MVT/VS1/VS2): LOGIC MANUAL, PROG. NO. 5734-UT3

This PLM is written primarily for persons responsible for the maintenance of the program. It is intended as a recall mechanism and a debugging aid. As a debugging aid, this manual serves best as a guide to sequences of instructions found in the coding of the program.

This publication describes the internal logic of the IBM 1288 Basic Unformatted Read System and includes the following items:

- Method of Operation
- Program Organization
- Data Area Formats

The information necessary to implement the program is not included in this publication.

Program Logic Manual, 88 pages

LY24-3606

IBM EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5799-ADT

This publication describes the internal logic of the Honeywell Series 200 Emulator Program, an integrated emulator program, for the IBM System/370 Models 135 and 145. The emulator is a problem program that is executed under control of the IBM Disk Operating System (DOS). The emulator program, together with the appropriate compatibility feature (RPQ S00120 for the Model 135, RPQ S00121 for RPQ S00122 for the Model 145), executes most Honeywell Series 200 object programs without modification on a System/370.

For additional information, refer to IBM Emulator for Honeywell Series 200 on System/370 Using DOS, GA24-3604. Manual, 375 pages

LY24-3607

IBM EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5799-ADR

This Logic Manual describes the internal logic of the RCA 301 Emulator Program, an integrated emulator program, for the IBM System/370 Model 135 or 145. The emulator program is a problem program that is executed under control of the System/360 Disk Operating System. The emulator program, together with the appropriate compatibility feature (RPQ S00118 for the Model 135, RPQ S00119 for the Model 145), executes most RCA 201 object programs without modification on a System/370.

For additional information, refer to IBM Emulator for RCA 301 on System/370 Using DOS, GA24-3605. Manual, 375 pages

GY24-5000

IBM SYSTEM/360 BASIC OPERATING SYSTEM DISK ASSEMBLER PROGRAM NUMBER 360B-AS-309

This publication describes the internal logic of the IBM System/360 Basic Operating System, Disk Assembler Program. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the operation of the Disk Assembler Program.

The titles and abstracts of related publications are listed in the IBM SYSTEM/360 BIBLIOGRAPHY, Order No. GA22-6822.

Program Logic Manual, 672 pages

GY24-5001

IBM BASIC OPERATING SYSTEM/360 (8K DISK) SORT/MERGE PLM - PROG. NO. 360B-SM-308

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 392 pages

GY24-5002

IBM BASIC OPERATING SYSTEM/360 SYSTEM CONTROL (8K DISK) PROGRAM NUMBER 360B-CL-302 PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications

is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 504 pages

GY24-5003

BOS LOGICAL IOCS, PROG. NOS. 360B-IO-303, -304, -305

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 326 pages

GY24-5005

IBM SYSTEM/360 BASIC OPERATING SYSTEM REPORT PROGRAM GENERATOR (8K DISK) PROGRAM NUMBER 360B-RG-307

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 412 pages

GY24-5007

BPS INPUT OUTPUT CONTROL PROGRAM: PLM, PROG. NO. 360P-IO-060 (1231-N1), -059 (1418/1428), -058 (1412/1419)

This reference manual provides detailed information on the internal logic of the IBM System/360 Basic Programming Support IOCP (Input Output Control Program). It is intended for technical personnel responsible for diagnosing the system operation and/or adapting the programming system to special usage.

Manual, 186 pages

GY24-5009

IBM SYSTEM/360 OPERATING SYSTEM COBOL-E PROGRAM NUMBER 360S-CO-503

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 280 pages

GY24-5010

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM SYSTEM CONTROL AND IOCS PROGRAM NUMBER 360P-AS-091

This publication describes the internal logic of the IOCS/System Control portion of the IBM System/360 Basic Programming Support (BPS) Basic Tape System. This publication discusses the BPS Control System (System Tape), BPS Independent Control System, and Logical and Physical IOCS supporting these systems. It is intended for use by persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program. Therefore, distribution of this publication is limited to those with maintenance and alteration requirements.

Manual, 338 pages

GY24-5012

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT TAPE ASSEMBLER PROGRAM NUMBER 360P-AS-091

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 524 pages

GY24-5013

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT UNIVERSAL CHARACTER SET UTILITY PROGRAM PROGRAM NUMBER 360P-UT-048

This publication describes the internal logic of the Universal Character Set Utility Program for System/360 Basic Programming Support. It is intended for use by persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for the use and operation of the program.

Systems Reference Library Manual, 28 pages

GY24-5014

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT  
BASIC ASSEMBLER, PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 360P-AS-021

This publication provides detailed information on the internal logic of the IBM System/360 Basic Programming Support Basic Assembler. It is intended for technical personnel who are responsible for analyzing program operation, diagnosing malfunctions, and/or adapting the program to special usage. Program logic information is not necessary for the operation of the program. Program Logic Manual, 110 pages

Therefore, distribution is limited to those with maintenance and alteration responsibilities.

Effective use of this publication requires an understanding of IBM System/360 operation and the Disk Operating System Assembler language and its associated macro definition language. Reference publications for this information are listed in the PREFACE.

For a list of associated publications and their abstracts, see IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822. Program Logic Manual, 308 pages

GY24-5015

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC UTILITIES  
PROGRAM LOGIC MANUAL

This manual provides detailed information on the internal logic of the IBM System/360 Basic Programming Support Basic Utilities Programs. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the operation of the Basic Utility Programs.

Systems Reference Library Manual, 136 pages

GY24-5021

IBM SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE  
PROGRAM NUMBER 360N-SM-450

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 384 pages

GY24-5016

TOS SORT/MERGE PROGRAM LOGIC MANUAL, PROG. NO. 360M-SM-400

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 220 pages

GY24-5022

IBM SYSTEM/360 TAPE OPERATING SYSTEM SYSTEM CONTROL - LOGIC,  
PROGRAM NUMBER 360M-CL-405, VERSION 2

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 624 pages

GY24-5017

IBM SYSTEM/360 DISK OPERATING SYSTEM INTRODUCTION TO  
DOS LOGIC - PROGRAM NUMBER 360N-CL-453

This manual is designed to introduce the Disk Operating System and to cross-reference six companion DOS PLMs. These associated publications are listed in the Preface of this manual.

These publications are intended for persons who are involved in program maintenance or who are altering the program design. Program logic information is not needed for normal use or operation of the system control program.

Titles and abstracts of other related publications are listed in the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822. Program Logic Manual, 80 pages

GY24-5023

IBM SYSTEM/360 DISK OPERATING SYSTEM UTILITIES  
PROGRAM NUMBERS 360N-UT-461 360N-UT-462 360N-UT-463

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 328 pages

GY24-5018

IBM SYSTEM/360 TAPE OPERATING SYSTEM LOGICAL IOCS - LOGIC  
PROGRAM NUMBER 360M-IO-404, VERSION 2.1

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 320 pages

GY24-5025

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS COBOL D  
PROGRAM LOGIC MANUAL, PROG. NOS. 360M-CB-402, 360N-CB-452

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 328 pages

GY24-5019

IBM SYSTEM/360 TAPE OPERATING SYSTEM UTILITY PROGRAMS  
PROGRAM NUMBER 360M-UT-403

This publication describes the internal logic of the IBM System/360 Tape Operating System Utility programs. It is intended for use by persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program.

Systems Reference Library Manual, 148 pages

GY24-5026

IBM SYSTEM/360 TAPE OPERATING SYSTEM AUTOTEST - LOGIC,  
PROGRAM NUMBER 360M-PT-407

This publication describes the internal logic of the IBM System/360 Tape Operating System Autotest program. It is intended for use by persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program. Therefore, distribution of this publication is limited to those with maintenance and alteration requirements.

Manual, 226 pages

GY24-5020

IBM SYSTEM/360 DISK OPERATING SYSTEM, LOGICAL IOCS,  
VOLUME 1 INTRODUCTION PROGRAM LOGIC MANUAL, PROGRAM NUMBERS  
CPMOD DIMOD PRMOD DTFLN(360N-CL-453), DAMOD(360N-IO-454),  
SDMOD(360N-IO-455), MFMOD(360N-IO-456), ISMOD(360N-IO-457),  
PTMOD(360N-IO-458), MRMOD(360N-IO-477), ORMOD(360N-IO-478)

This reference publication is one of four Program Logic Manuals that describe the internal logic of the Logical IOCS (Input-Output Control System) programs for the IBM System/360 Disk Operating System. The four related Program Logic Manuals are:

Volume 1: INTRODUCTION, GY24-5020.

Volume 2: UNIT RECORD, MAGNETIC TAPE, AND DEVICE INDEPENDENT FILES, GY24-5087.

Volume 3: SEQUENTIAL AND DIRECT ACCESS DASD FILES, GY24-5088.

Volume 4: INDEXED SEQUENTIAL FILE MANAGEMENT SYSTEM, GY24-5089.

It is intended for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not necessary for the operation of the programs described.

GY24-5027

IBM SYSTEM/360 DISK OPERATING SYSTEM AUTOTEST  
PROGRAM NUMBER 360N-PT-459

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 432 pages

GY24-5032

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS FORTRAN IV  
PROGRAM NUMBER 360M-FO-409 PROGRAM NUMBER 360N-FO-451

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

GY24-5037

IBM SYSTEM/360, BASIC PROGRAMMING SUPPORT, REPORT PROGRAM GENERATOR FOR PUNCHED CARD EQUIPMENT PROGRAM NUMBER 360P-RG-200

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 296 pages

GY24-5045

DOS AND TOS UTILITIES MACROS - PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360M-UT-411, 360N-UT-471

This publication describes the internal logic of the IBM DOS and TOS Utility Macros. It is intended for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not necessary for the operation of the programs.

These utility macros support file-to-file operations among the following devices:

- o IBM 2501 Card Reader
- o 1442 Card Read Punch
- o 2520 Card Read Punch
- o 2540 Card Read Punch
- o 1052 Printer Keyboard
- o 1403 Printer
- o 1404 Printer (continuous forms only)
- o 1443 Printer
- o 1445 Printer
- o 3211 Printer (optional features not supported)
- o 2311 Disk Storage Unit (DOS)
- o 2314 Direct Access Storage Facility (DOS)
- o 2319 Disk Storage (DOS)
- o IBM 2495 Tape Cartridge Reader (DOS)
- o 2400 Series Magnetic Tape Unit
- o 3420 Magnetic Tape Unit (DOS only)\*. For tape input and/or output, the utility macros require the optional Supervisor "set mode" facility.

\*Note: 3420 support is provided only to a level equal to that of the 2400 series. This means that only 6 bytes of sense information are available, instead of the full 20.

Effective use of this publication requires an understanding of IBM System/360 operating principles, and of the IBM System/360 Disk and Tape Operating System. Reference publications for this information are listed in the preface of this publication.

Titles and abstracts of other related publications are listed in the IBM System/360 and System/370 Bibliography, GA22-6822. Manual, 110 pages

GY24-5056

IBM SYSTEM/360 TAPE OPERATING SYSTEM ON-LINE TEST EXECUTIVE PROGRAM - PROGRAM NUMBER 360M-DN-418  
This reference publication describes the internal logic of the IBM System/360 Tape Operating System, On-Line Test Executive Program (OLTEP). It is for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation and use of the system; therefore, distribution is limited to those with maintenance and alteration requirements.

Titles and abstracts of related publications are listed in the IBM System/360 and System/370 Bibliography, GA22-6822. Program Logic Manual, 80 pages

GY24-5079

IBM SYSTEM/360 DISK OPERATING SYSTEM LIBRARIAN MAINTENANCE AND SERVICE PROGRAMS PROGRAM NUMBER 360N-CL-453

This reference publication describes the internal logic of the IBM System/360 Disk Operating System, Librarian Maintenance and Service Programs. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not needed for normal operation of the Librarian Programs. It is designed to be used as a supplement to the program listing.

Effective use of this manual requires an understanding of IBM System/360 operation and of IBM System/360 Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the Preface of this manual.

For overall system control logic description, this Program Logic Manual is to be used with four other PLMs:

IBM SYSTEM/360 DISK OPERATING SYSTEM, INTRODUCTION TO SYSTEM CONTROL AND SERVICE PROGRAMS, GY24-5017.

IBM SYSTEM/360 DISK OPERATING SYSTEM, IPL AND JOB CONTROL PROGRAMS, GY24-5086.

IBM SYSTEM/360 DISK OPERATING SYSTEM, SUPERVISOR AND PHYSICAL TRANSIENTS, GY24-5151.

IBM SYSTEM/360 DISK OPERATING SYSTEM, LOGICAL TRANSIENT PROGRAMS PLM, GY24-5152.

IBM SYSTEM/360 DISK OPERATING SYSTEM, SYSTEM SERVICE PROGRAMS PLM, GY24-5153.

IBM SYSTEM/360 DISK OPERATING SYSTEM, LINKAGE EDITOR, GY24-5080.

Titles and abstracts of other related publications are listed in the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822. Program Logic Manual, 292 pages

GY24-5080

IBM SYSTEM/360 DISK OPERATING SYSTEM LINKAGE EDITOR PROGRAM NUMBER 360N-CL-453

This publication describes the internal logic of the IBM System/360 Disk Operating System, linkage editor program. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. It is designed to be used as a supplement to the program listing.

Effective use of this manual requires an understanding of IBM System/360 operation and of IBM System/360 Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the PREFACE of this manual.

For overall system control logic description, this PLM is to be used with five other PLMs:

1. IBM SYSTEM/360 DISK OPERATING SYSTEM, INTRODUCTION TO SYSTEM CONTROL PROGRAMS, Form GY24-5017.
2. IBM SYSTEM/360 DISK OPERATING SYSTEM, IPL AND JOB CONTROL PROGRAMS, Form GY24-5086.
3. IBM SYSTEM/360 DISK OPERATING SYSTEM, SUPERVISOR AND PHYSICAL AND LOGICAL TRANSIENTS, Form GY24-5084.
4. IBM SYSTEM/360 DISK OPERATING SYSTEM, LIBRARIAN MAINTENANCE AND SERVICE PROGRAMS, Form SY24-5079.
5. IBM SYSTEM/360 DISK OPERATING SYSTEM, LOGICAL IOCS, VOLUME 1: INTRODUCTION, Form GY24-5020.

Titles and abstracts of other related publications are listed in the IBM SYSTEM/360 Bibliography, Form GA22-6822. Program Logic Manual, 112 pages

GY24-5086

IBM SYSTEM/360 DISK OPERATING SYSTEM IPL AND JOB CONTROL PROGRAMS PROGRAM NUMBER 360N-CL-453

This reference publication describes the internal logic of the IBM System/360 Disk Operating System, Initial Program Load (IPL) and Job Control Programs. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. It is designed to be used as a supplement to the program listing.

Effective use of this manual requires an understanding of IBM System/360 operation and of IBM System/360 Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the Preface of this manual.

For overall system control logic description, this PLM is to be used with four other PLMs:

1. IBM SYSTEM/360 DISK OPERATING SYSTEM, INTRODUCTION TO SYSTEM CONTROL AND SERVICE PROGRAMS, Form GY24-5017.
2. IBM SYSTEM/360 DISK OPERATING SYSTEM, SUPERVISOR AND PHYSICAL AND LOGICAL TRANSIENT PROGRAMS, Form GY24-5084.
3. IBM SYSTEM/360 DISK OPERATING SYSTEM, LIBRARIAN MAINTENANCE AND SERVICE PROGRAMS, Form GY24-5079.
4. IBM SYSTEM/360 DISK OPERATING SYSTEM, LINKAGE EDITOR, Form GY24-5080.

Program Logic Manual, 216 pages

GY24-5087

IBM SYSTEM/360 DISK OPERATING SYSTEM LOGICAL IOCS VOLUME 2: UNIT RECORD, MAGNETIC TAPE AND DEVICE INDEPENDENT FILES PROGRAM LOGIC MANUAL

This reference publication is one of four Program Logic Manuals that describe the internal logic of the Logical IOCS (Input/Output Control System) programs for the IBM System/360 Disk Operating System. The four related Program Logic Manuals are:

- Volume 1: INTRODUCTION, GY24-5020.
- Volume 2: UNIT RECORD, MAGNETIC TAPE, AND DEVICE INDEPENDENT FILES, GY24-5087.
- Volume 3: SEQUENTIAL AND DIRECT ACCESS DASD FILES, GY24-5088.
- Volume 4: INDEXED SEQUENTIAL FILE MANAGEMENT SYSTEM, GY24-5089.

This manual is intended for persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the operation of the programs described.

Effective use of this publication requires an understanding of IBM System/360 operation and the Disk Operating System Assembler language and its associated macro definition language. Reference publications for this information are listed in the PREFACE.

For the titles and abstracts of other related publications, refer to the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822.  
Program Logic Manual, 389 pages

## GY24-5088

DOS LIOCS VOLUME 3, SAM AND DAM FOR DASD: LOGIC, PROG. NOS. 360N-IO-455 (SDMOD), 360N-IO-454 (DAMOD)

This reference publication is one of four Program Logic Manuals that describe the internal logic of the Logical IOCS (Input/Output Control System) programs for the IBM System/360 Disk Operating System. The four related Program Logic Manuals are:

- Volume 1: INTRODUCTION, GY24-5020.
- Volume 2: UNIT RECORD, MAGNETIC TAPE, AND DEVICE INDEPENDENT FILES. GY24-5087.
- Volume 3: SEQUENTIAL AND DIRECT ACCESS DASD FILES, GY24-5088.
- Volume 4: INDEXED SEQUENTIAL FILE MANAGEMENT SYSTEM, GY24-5089.

This manual is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the operation of the programs described. Therefore, distribution is limited to those with maintenance and alteration responsibilities.

Effective use of this publication requires an understanding of IBM System/360 operation and the Disk Operating System Assembler language and its associated macro definition language. Reference publications for this information are listed in the Preface.

For the titles and abstracts of other related publications, refer to the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822.  
Program Logic Manual, 356 pages

## GY24-5089

DOS LIOCS VOLUME 4: ISFMS - PROGRAM NUMBER 360N-IO-457  
This reference publication is one of four Program Logic Manuals that describe the internal logic of the Logical IOCS programs for the IBM Disk Operating System. The four related Program Logic Manuals are listed below.

Note: Although titles of some DOS publications have been simplified, the change does not affect the contents of the publications.

- Volume 1. Introduction, GY24-5020
- Volume 2. Unit Record, Magnetic Tape, Device Independent Files, GY24-5087
- Volume 3. SAM and DAM for DASD, GY24-5088
- Volume 4. ISFMS, GY24-5089

It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the operation of the programs described.

Effective use of this publication requires an understanding of system operation, assembler language, and its associated macros. Reference publications for this information are listed in the Preface.

For the titles and abstracts of other related publications, refer to the IBM System/360 and System/370 Bibliography, GA22-6822.  
Manual, 396 pages

## GY24-5096

IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT MODULAR FILE MAINTENANCE PROGRAM - PROGRAM NUMBER 360P-UT-219

This publication describes the internal logic of the Modular File Maintenance Program for IBM System/360 Basic Programming Support. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the operation and use of the system.  
Systems Reference Library Manual, 32 pages

## GY24-5151

IBM SYSTEM/360 DISK OPERATING SYSTEM SUPERVISOR AND PHYSICAL TRANSIENTS - PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-CL-453

This reference publication describes the internal logic of the IBM System/360 Disk Operating System, Supervisor and Transients Programs. It is for persons involved in program maintenance and system programmers altering the program design. Program logic information is not needed for normal operation of these programs. This publication is a supplement to the program listing.

Effective use of this manual requires an understanding of IBM System/360 operation and of IBM System/360 Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the PREFACE of this manual.  
Program Logic Manual, 300 pages

## GY24-5152

IBM SYSTEM/360 DISK OPERATING SYSTEM LOGICAL TRANSIENT PROGRAMS

This reference publication describes the internal logic of the IBM System/360 Disk Operating System, Logical Transient Programs. It is for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not

needed for normal operation of these programs.

Effective use of this manual requires an understanding of IBM System/360 operation and of IBM System/360 Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the PREFACE of this manual.

Titles and abstracts of other related publications are listed in the IBM SYSTEM/360 BIBLIOGRAPHY, GA22-6822.  
Program Logic Manual, 200 pages

## GY24-5153

DOS SYSTEM SERVICE PROGRAM: LOGIC, PROG. NO. 360N-CL-453

This reference publication describes the internal logic of supervisor-interrelated service programs of the IBM System/360 Disk Operating System.

This manual is intended for persons involved in program maintenance and for system programmers altering the program design. Program logic information is not needed for normal use or operation of the system control program. It is designed as a supplement to the program listing.

Its effective use requires an understanding of IBM System/360 operation and of IBM System/360 Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the PREFACE of this manual.  
Program Logic Manual, 200 pages

## GY24-5154

DOS OLTEP LOGIC

This reference publication describes the internal logic of the IBM System/360 Disk Operating System On-Line Test Executive Program (OLTEP). It is for persons involved in program maintenance and programmers who are altering the program design.

For titles and abstracts of associated publications, see the IBM SYSTEM/360 AND SYSTEM/370 BIBLIOGRAPHY (GA22-6822).  
Manual, 172 pages

## GY26-3598

IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (32K) PROGRAM LOGIC MANUAL

PROGRAM NUMBER 360S-AS-036

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 126 pages

## GY26-3642

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS ASSEMBLER (D) PROGRAM NUMBER 360M/N-AS-465

This publication describes the internal logic of the D Assembler for the IBM System/360 Disk and Tape Operating Systems. It is intended for use by persons involved in program maintenance, and by systems programmers who are altering the program design.

Program Logic Manual, 159 pages

## GY26-3700

IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (F)

PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-AS-037

This publication describes the internal logic of the F Assembler for the IBM System/360 Operating System/ It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design.

Program Logic Manual, 120 pages

## GY26-3701

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEM REPORT PROGRAM GENERATOR PROGRAM NUMBERS 360N-RG-460 (DISK) 360M-RG-408 (TAPE)

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Program Logic Manual, 132 pages

## GY26-3704

IBM SYSTEM/360 OPERATING SYSTEM REPORT PROGRAM GENERATOR PROGRAM NUMBER 360S-RG-038

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Program Logic Manual, 132 pages



GY26-3716

IBM SYSTEM/360 DISK OPERATING SYSTEM ASSEMBLER (F)  
PROGRAM NUMBER 360N-AS-466

This publication describes the internal logic of the (64K) Assembler for the IBM System/360 Disk Operating System. It is intended for use by people involved in program maintenance and by system programmers who are altering the program design. Since program logic information is not necessary for the use and operation of the Assembler, distribution of this publication is limited to these people. Manual, 126 pages

LY26-3737

IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION  
ASSEMBLER PROMPTER PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 5734-CP2

This manual describes the assembler prompter, a program product that operates only under the Time Sharing Option (TSO) of the IBM System/360 Operating System.

The assembler prompter consists of two modules that interact with the TSO terminal monitor program (TMP), the parse service routine (IKJPARS), the dynamic allocation interface routine (IKJDAIR), the PUTLINE service routine, and the stack service routine. This manual discusses how the assembler prompter interacts with these routines to analyze the ASM command and to allocate data sets required by the assembler. It also discusses how the prompter passes control to the assembler.

The manual assumes that the reader knows the ASM command, its operands, and how to use the command as described in the IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION ASSEMBLER PROMPTER USER'S GUIDE (GC26-3740). The book also assumes that the reader is familiar with the assembler language and the concepts of TSO as described in: IBM SYSTEM/360 OPERATING SYSTEM: ASSEMBLER LANGUAGE (GC28-6514)

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION GUIDE (GC28-6698)

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND LANGUAGE REFERENCE (GC28-6732)

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR A COMMAND PROCESSOR (GC28-6764)

This manual is intended for people involved in program maintenance, and its distribution is limited to licensees doing maintenance work. Program logic information is not necessary to use the program.  
Manual, 56 pages

SY26-3741

DOS EMULATOR LOGIC (ON IBM SYSTEM/370 UNDER OS), PROG. NO.  
360C-EU-738 (FOR MPT/MVT), 5744-AS1 (FOR VS)

This publication describes the internal logic of the DOS Emulator program under OS/MPT, OS/MVT, OS/VS1, and OS/VS2. The DOS Emulator is a combination of the DOS Emulator processing program and the DOS Compatibility feature. The relationship of the program logic to that of the DOS Compatibility feature is described.

This publication is written as a guide to and for use with the program listing. It is intended for use by persons involved in program maintenance, and systems programmers who are altering the program design.  
Manual, 584 pages

LY26-3760

OS ASSEMBLER H LOGIC PROG. NO. 5734-AS1

This publication describes the internal logic and operation of Assembler H running under the IBM System/360 Operating System. In addition to descriptive text, this publication contains detailed flowcharts, figures showing the formats of internal tables and data areas, a microfiche directory, and a number of appendixes containing related reference documentation.

Program Logic Manuals are intended for IBM Customer Engineers concerned with program maintenance or alteration, and system programmers concerned with system design.

The reader should be familiar with the IBM System/360 Operating System and with the functions of an assembler. Program Logic Manual, 320 pages

SY26-3766

IBM 2740/2968 AUDIO-VISUAL CONTROL PROGRAM LOGIC MANUAL  
RPO NUMBER F30209

This manual is for customer engineers, field engineers, or others maintaining the au (audio) and fp (visual) functions. These functions operate under Coursewriter III, Version 2, Modification 2 or newer and support the attachment of a 2968, model 11, audio-visual control unit to a 2740, model 1 remote terminal.  
PLM Manual, 46 pages

SY26-3789

OS/VS BDAM LOGIC MANUAL

This book describes the internal logic of the basic direct access method (BDAM). BDAM is a group of routines that retrieves data from and stores data into sets that are directly organized and reside on direct-access devices.

This publication is intended as a reference book

for IBM programming systems representatives and system programmers maintaining BDAM routines and for customer system programmers modifying BDAM routines.

A general knowledge of data management and OS/VS is required for understanding the information in this Manual, 124 pages

GY27-7103

IBM SYSTEM/360 CONVERSION AIDS: THE  
1401/1460 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 40  
PLM - PROG. NO. 360C-EU-074

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

Manual, 56 pages

GY27-7108

IBM SYSTEM/360 TRANSITION AIDS: COBOL LANGUAGE  
CONVERSION PROGRAM (1401-CB-701) FOR THE IBM 1401  
PROGRAM LOGIC MANUAL

This publication describes the internal logic of the COBOL Language Conversion Program for the IBM 1401, which is used as a transition aid to IBM System/360. It is intended for use by persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the use and operation of the program; therefore, distribution of this publication is limited to those with the aforementioned requirements.

Systems Reference Library Manual, 92 pages

GY27-7110

IBM SYSTEM/360 OPERATING SYSTEM  
GRAPHICS PROBLEM ORIENTED ROUTINES (360S-IO-523)  
PROGRAM LOGIC MANUAL

This publication describes the internal logic of problem oriented routines associated with the graphic programming services of System/360 Operating System and intended for use with the IBM 2250 Display Unit.

This program logic manual is intended for use with appropriate program listings. Its primary purpose is to serve as a guide to the program listings with which it is used.

It is provided for persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for the use and operation of the program; therefore, distribution of this publication is limited to those with the aforementioned requirements.  
Program Logic Manual, 52 pages

GY27-7111

IBM SYSTEM/360 CONVERSION AIDS: THE  
7074 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODELS 50 AND 65  
PROGRAM LOGIC MANUAL PROGRAM NUMBER 360C-EU-725

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.  
Program Logic Manual

GY27-7113

IBM SYSTEM/360 OPERATING SYSTEM: GRAPHIC ACCESS METHOD  
PROGRAM NUMBER 360S-IO-523

This publication describes the internal logic of the Graphics Access Method (GAM) for the IBM 2250 Display Unit, Models 1, 2, and 3, the IBM 2260 Display Station (Local Attachment), and the IBM 2280/82 Film Units. Since GAM functions in both express and basic attention handling environments, both types of routines are described. Areas of the program that perform specific functions are identified and related to the program listings.

The Graphics Access Method consists of input/output and control routines which are part of the graphic programming services for the devices mentioned above. The GAM routines serve three major functions.

- Graphic Data Management (including Buffer Management)
- Input/Output Control
- Attention Handling

This program logic manual is directed to the IBM customer engineer, who maintains the program, and the system programmer, who may wish to alter the program design. It should be used in conjunction with, and as a guide to, the appropriate program listings. Program logic information is necessary for program operation and use.  
Program Logic Manual, 124 pages

GY27-7115

IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 SIMULATOR FOR  
IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-754  
PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or

logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 104 pages

programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

Manual, 136 pages

## GY27-7116

IBM SYSTEM/360 CONVERSION AIDS: THE 1620 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-752 PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 94 pages

## GY27-7155

IBM SYSTEM/360 OPERATING SYSTEM MACHINE CHECK HANDLER FOR IBM SYSTEM/360 MODEL 65 PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-DN-539

The Machine-Check Handler reduces the number and minimizes the impact of unscheduled system interruptions resulting from machine-check interruptions in multiprogramming environments of the IBM System/360 Operating System. The program is designed for use with the uniprocessing and multiprocessing (partitioned or multisystem modes) systems of the IBM System/360 Model 65 only. This publication describes the program logic associated with the Machine-Check Handler error recovery operations.

Program Logic Manual, 77 pages

## GY27-7117

IBM SYSTEM/360 CONVERSION AIDS: THE 7070/7074 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-753 PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 116 pages

## GY27-7159

IBM SYSTEM/360 OPERATING SYSTEM: GRAPHIC JOB PROCESSOR SUPPORT - PROGRAM NUMBER 360S-RC-541  
This publication describes the internal logic of the Graphic Job Processor (GJP) and the Graphics Interface Task (GFX), which are features of the IBM System/360 Operating System that permit jobs to be defined and initiated by responding to frames displayed on an IBM 2250 Display Unit.

This program logic manual is to be used with the program assembly listings and is primarily a guide to those listings. It is intended for personnel involved in program maintenance and for system programmers who are altering the program design. Program logic information is not necessary for the operation of the program.

Program Logic Manual, 193 pages

## GY27-7118

IBM SYSTEM/360 CONVERSION AIDS: THE 7080 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-751 PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 108 pages

## GY27-7161

SYSTEM/360-1130 DATA TRANSMISSION FOR FORTRAN PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360S-LM-542, 1130-LM-011

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

Manual, 128 pages

## GY27-7119

IBM SYSTEM/360 CONVERSION AIDS: THE 7090/7094 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-750 PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 120 pages

## GY27-7164

IBM SYSTEM/360 DISK OPERATING SYSTEM 1401/1440/1460 EMULATOR PROGRAM COMPATIBILITY SUPPORT/30 PROGRAM NUMBER 360N-EU-484

This publication describes the internal logic of the Emulator Program for Compatibility Support/30. This support allows 1401, 1440, and 1460 object programs to be executed under the control of the Disk Operating System on the IBM System/360 Models 25 and 30. The relationship of the program logic to that of the required machine support is discussed, as is the interface with the Disk Operating System. This publication is written as a guide to, and for use with, the program listing. It is intended for use by persons involved in program maintenance, and systems programmers who are altering the program design. Program logic information is not necessary for the use and operation of the program.

Program Logic Manual, 125 pages

## GY27-7128

IBM SYSTEM/360 OPERATING SYSTEM JOB MANAGEMENT WITH MFT PROGRAM LOGIC MANUAL

This publication describes the internal logic of the MFT level of job management, its functions, and the control flow among its routines, as MFT job management differs from MVT job management. Included are discussions of system initialization, input stream processing, job initiation and termination, system output processing, command scheduling and execution, and work queue management.

Knowledge of the information in the following publications is required for a full understanding of this manual:

IBM SYSTEM/360 OPERATING SYSTEM: MFT GUIDE  
GC27-6939

IBM SYSTEM/360 OPERATING SYSTEM: MVT JOB MANAGEMENT PROGRAM LOGIC MANUAL, GY28-6600

This manual is intended for persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for use and operation of the program.

The information for TSO and TCAM and Model 165 is for planning purposes only.

Program Logic Manual, 196 pages

## GY27-7165

IBM SYSTEM/360 DISK OPERATING SYSTEM 1401/1440/1460 EMULATOR PROGRAM COMPATIBILITY SUPPORT/40 PROGRAM NUMBER 360N-EU-485

This publication describes the internal logic of the IBM 1401/1440/1460 Emulator Program under the Disk Operating System. The relationship of Compatibility Support/40 to the IBM 1401/1460 Compatibility Feature (#4457), the IBM 1311 Disk Compatibility Feature (#9710), and the IBM 1401/1440/1460 DOS Compatibility Feature (#4460) for the IBM System/360 Model 40 is discussed. The interface of the program with the Disk Operating System is described. Written for use with the program listing, this publication is intended to be used by persons maintaining the program and by systems programmers altering the program design. Program logic information is not necessary for the use and operation of the program; distribution is therefore limited to persons maintaining or altering the program.

Program Logic Manual, 156 pages

## GY27-7166

IBM SYSTEM/360 OPERATING SYSTEM AND 1130 DISK MONITOR SYSTEM SYSTEM/360 JOB PROCESSING FROM A REMOTE 1130/2250 SUBSYSTEM PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360S-RC-543, 1130-CO-012

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of

## GY27-7152

IBM SYSTEM/360 OPERATING SYSTEM GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV, COBOL, AND PL/I PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-LM-537

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system

the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.  
Program Logic Manual

## GY27-7184

IBM SYSTEM/360 OPERATING SYSTEM: MACHINE-CHECK HANDLER FOR IBM SYSTEM/360 MODEL 85 - PROGRAM LOGIC MANUAL PROGRAM NUMBER 3605-DN-539

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

MCH is a Recovery Management Support Facility and provides the following error recovery functions:

1. Identification and analysis of the machine malfunction.
2. Repair of the damage and/or termination of the affected task.
3. Recording of the failure.
4. Control of machine status.

Systems Reference Library Manual, 124 pages

## GY27-7187

PROGRAM TO EMULATE THE IBM 7094 ON IBM MODELS 85 & 165 USING OS/360, PROG. NOS. 360C-EU-734 (M85), 360C-EU-740 (M165)

This manual describes the internal logic of the IBM 709/7090/7094/7094 II Emulator Program for the IBM System/370 Model 165. The emulator program is a problem program that executes under the MFT and MVT configurations of the IBM System/360 Operating System. The IBM Compatibility Feature #7119 must be installed on the Model 165.

The emulator program executes object programs written for the IBM 709, 7090, 7094, or 7094 II Data Processing System. Major topics are the logic of the emulator program; the relationship among the emulator program, the compatibility feature, and the operating system; and the logic of tape formatting programs used in conjunction with the emulator.

This publication is a reference manual for persons responsible for emulator program maintenance. Readers should be experienced with the IBM 709, 7090, 7094, or 7094 II Data Processing System, and have a working knowledge of the MFT or MVT configuration of the IBM System/360 Operating System.

Systems Library, 200 pages

## GY27-7198

IBM SYSTEM/360 OPERATING SYSTEM: MACHINE-CHECK HANDLER FOR SYSTEM/370 MODELS 155 AND 165 - PROGRAM LOGIC MANUAL

This manual describes the internal operations of the Machine-Check Handler (MCH) for the IBM System/370 Models 155 and 165. MCH is a standard component of the MFT and MVT versions of System/360 Operating System when used with the Models 155 and 165.

This manual is written for persons who maintain the program or who are altering the program's design. Its primary purpose is to serve as a guide to the program listings.

Program Logic Manual, 192 pages

## GY27-7199

IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION (TSO) CONTROL PROGRAM PROGRAM NUMBER 360S-CI-555

This document describes the internal logic of the System/360 Operating System Time Sharing Option (TSO). TSO adds general purpose time-sharing to the facilities already available through the MVT configuration of the OS/360 control program.

This manual is written for customer engineers who are maintaining the program and system programmers who are altering the design of the program. Its primary purpose is to serve as a guide to the program listings. This manual describes the data management, job management and task management functions performed to enable TSO users to execute programs.

Program Logic Manual, 418 pages

## LY27-7230

VIDEO/370 LOGIC MANUAL - PROGRAM NUMBERS 5734-RC5, 5736-RC3

This manual presents the logic of VIDEO/370, which allows direct data entry through the use of IBM 3270 display stations. It describes the functions of VIDEO/370, the routines that perform the functions, and the data areas used by the routines. Information for diagnosing problems with the VIDEO/370 sample program is also included.

This book is intended for use by IBM program service representatives, Field Engineering education, SDD product programmers, DPD system engineers, or customers performing similar functions.

Manual, 224 pages

## GY27-7236

IBM SYSTEM/360 OPERATING SYSTEM MFT SUPERVISOR

This publication describes the internal logic of the MFT Supervisor. The MFT Supervisor is one part of the control

program of the IBM System/360 Operating System. The publication provides an introduction to control program logic and describes the supervisor components of the program. Specifically, the publication describes:

- Interruption Supervision
  - Task Supervision
  - Task Termination
  - Contents Supervision
  - Main Storage Supervision
  - Communications Task
  - Timer Supervision
  - Overlay Supervision
  - Recording/Recovery Interface
  - Checkpoint/Restart
  - Device Independent Display Operator Console Support
- Program Logic Manual, 550 pages

## GY27-7237

IBM SYSTEM/360 OPERATING SYSTEM MACHINE-CHECK HANDLER FOR IBM SYSTEM/370 MODELS 135 AND 145 PROGRAM LOGIC MANUAL - PROGRAM NUMBER 3605-DN-539

This manual describes the internal operations of the Machine-Check Handler (MCH) for the IBM System/370 Models 135 and 145. MCH is a standard component of the MFT version of the System/360 Operating System when used with the Model 135 or the Model 145.

This manual is written for persons who maintain the program or who are altering the program's design. Its primary purpose is to serve as a guide to the program listings.

Program Logic Manual, 128 pages

## GY27-7245

SYSTEM/360 DOS VERSION 4 BASIC TELECOMMUNICATIONS ACCESS METHODS - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360N-CO-469

This publication describes the internal logic of the Basic Telecommunications Access Method (BTAM) in Version 4 (Release 27) of the Disk Operating System (DOS). It is intended for persons involved in program maintenance and for systems programmers who are altering the program design. It can be used to help locate BTAM application program errors. This publication contains:

- o An overview of BTAM logic
- o A guide to specific BTAM routines by alphabetical name of the routine and by function
- o Routine descriptions and flowcharts

This information is designed to be used with the program listings.

The user should be familiar with how BTAM is used; this is described in the SRL publication, DOS Version 4 Basic Telecommunications Access Method, GC27-6978. Manual, 436 pages

## GY27-7255

OS/VS2 HASP II VERSION 4 LOGIC MANUAL - PROGRAM NUMBER 370H-TX-001

This manual describes the purpose and function of HASP and its relationship to OS/VS2 Release 1. It does not replace the program listings; it supplements them and makes the information in them more accessible.

This publication contains seven sections:

Section 1 Introduction - describes the general characteristics and functions of HASP II Version 4.

Section 2 Method of Operation - contains HIPO (Hierarchy plus Input-Process-Output) diagrams that describe the operation of HASP II Version 4. The diagrams are high level and are designed to guide the reader to a particular area of the program listing.

Section 3 Program Organization - describes the HASP general program organization and each of the HASP processors.

Section 4 Directory - provides cross-reference lists.

Section 5 Data Areas - contains descriptions of the interrelationship and content of HASP data areas and control blocks.

Section 6 Diagnostic Aids - contains information necessary for interpreting the program listing and diagnosing program failures.

Section 7 Appendix A HASP Programmer Macros - describes HASP macro instructions and their use.

Glossary - defines HASP terms.

Related OS/VS publications are listed in the IEM System/360 and System/370 Bibliography, GA22-6822. Manual, 484 pages

## GY27-7259

7094 OS EMULATOR ON MODELS 165/168: LOGIC, PROG. NOS. 360C-EU-740 (MFT/MVT) & 5744-AM1 (VS1/VS2)

This manual describes the internal logic of the IBM 709/7090/7094 II Emulator Program for the IBM System/370 Model 165. The emulator program is a problem program that executes under the MFT and MVT configurations of the IBM

System/360 Operating System. The IBM Compatibility Feature #7119 must be installed on the Model 165.

The emulator program executes object programs written for the IBM 709, 7090, 7094, or 7094 II Data Processing System. Major topics are the logic of the emulator program; the relationship among the emulator program, the compatibility feature, and the operating system; and the logic of tape formatting programs used in conjunction with the emulator.

This publication is a reference manual for persons responsible for emulator program maintenance. Readers should be experienced with the IBM 709, 7090, 7094, or 7094 II Data Processing System, and have a working knowledge of the MPT or MVT configuration of the IBM System/360 Operating System.  
Manual

GY28-2009

IBM SYSTEM/360 TIME SHARING SYSTEM SYSTEM LOGIC SUMMARY PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360G-CL-627

This publication describes the logic of the IBM System/360 Time Sharing System (TSS/360). The emphasis is on describing the interrelationship of system components in performing system functions. Where an individual component is described, only the highest level of logic is discussed.

This program logic manual is directed to the IBM customer engineer who is responsible for program maintenance. It can be used to determine the interrelationship among the various areas of the system, and it enables the reader to relate these areas to the corresponding program logic manuals.  
Systems Reference Library Manual, 328 pages

GY28-2011

IBM SYSTEM/360 TIME SHARING SYSTEM SYSTEM CONTROL BLOCKS PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360G-CL-627

This publication documents all control blocks which are a part of the IBM System/360 Time Sharing System (TSS/360). Each control block is described in terms of its function, size, residence, and use by the rest of the system. A diagram gives a graphic picture of each block, and a DSECT listing shows all fields and includes comments on individual fields.

Program Logic Manuals are intended for use by IBM customer engineers involved in program maintenance, and by system programmers involved in altering the program design. Program logic information is not necessary for program operating and use.  
Systems Reference Library Manual, 360 pages

GY28-2012

IBM SYSTEM/360 TIME SHARING SYSTEM: RESIDENT SUPERVISOR PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.  
Program Logic Manual, 308 pages

GY28-2013

TIME SHARING SYSTEM/360 COMMAND LANGUAGE PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360G-CL-627

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.  
Program Logic Manual, 520 pages

GY28-2014

IBM SYSTEM/360 TIME-SHARING SYSTEM PROGRAM CONTROL SYSTEM PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.  
Systems Reference Library Manual, 212 pages

GY28-2015

IBM SYSTEM/360 TIME SHARING SYSTEM: SYSTEM GENERATION AND MAINTENANCE PROGRAM LOGIC MANUAL PROGRAM NUMBER 360-CL-627

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

Program Logic Manual, 112 pages

GY28-2016

IBM SYSTEM/360 TIME SHARING SYSTEM ACCESS METHODS PROGRAM NUMBER 360G-CL-627 PROGRAM LOGIC MANUAL

This publication describes the internal logic of the queued, basic, multiple, virtual, and terminal access methods programs. These programs provide the processing required to perform Input/Output operations for the user. Also discussed are: general data set handling such as OPEN and CLOSE functions, and specific GET/PUT and READ/WRITE operations on data sets of sequential, indexed sequential, and partitioned organization.

This program logic manual is directed to the IBM customer engineer who is responsible for program maintenance. It can be used to locate specific areas of the program, and it enables the reader to relate these areas to the corresponding program listings. Program logic information is not necessary for program operation and use.

Program Logic Manual, 116 pages

GY28-2018

IBM SYSTEM/360 TIME SHARING SYSTEM: SYSTEM SERVICE MANUAL PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

Program Logic Manual, 256 pages

GY28-2019

IBM SYSTEM/360 TIME SHARING SYSTEM: FORTRAN IV COMPILER PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

Program Logic Manual, 716 pages

GY28-2020

IBM SYSTEM/360 TIME SHARING SYSTEM FORTRAN IV LIBRARY SUBPROGRAMS PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627

This publication describes the internal logic of the IBM System/360 Time Sharing System FORTRAN IV mathematical and I/O libraries, including the mathematical, service, and I/O routines.

This program logic manual is directed to the IBM customer engineer who is responsible for program maintenance. It can be used to locate specific areas of the program, and it enables the reader to relate these areas to the corresponding program listings. Because program logic information is not necessary for program operation and use, distribution of this manual is restricted to persons with program-maintenance responsibilities.  
Systems Reference Library Manual, 108 pages

GY28-2021

IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER PROGRAM LOGIC MANUAL

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.  
Systems Reference Library Manual, 376 pages

GY28-2022

IBM SYSTEM/360 TIME SHARING SYSTEM TIME SHARING SUPPORT SYSTEM - PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627

This publication describes the internal logic of the IBM System/360 Time Sharing Support System. This program logic manual is directed to the IBM customer engineers involved in program maintenance, and to the system programmers involved in altering the program design. It can be used to locate specific areas of the program, and it enables the reader to relate these areas to the corresponding program listings. Program logic information is not necessary for program operation and use.  
Program Logic Manual, 20 pages

GY28-2030

IBM SYSTEM/360 TIME-SHARING SYSTEM LINKAGE EDITOR PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended

for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.  
Systems Reference Library Manual, 98 pages

GY28-2031

IBM SYSTEM/360 TIME SHARING SYSTEM: DYNAMIC LOADER PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627  
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.  
Program Logic Manual, 184 pages

GY28-2039

IBM SYSTEM/360 TIME-SHARING SYSTEM INDEPENDENT UTILITIES PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627  
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.  
Systems Reference Library Manual, 66 pages

GY28-2041

IBM SYSTEM/360 TIME SHARING SYSTEM TASK MONITOR PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360G-CL-627  
This program logic manual is directed to the IBM customer engineer who is responsible for program maintenance. It can be used to locate specific areas of the program, and it enables the reader to relate these areas to the corresponding program listings. Program logic information is not necessary for program operation and use.  
Systems Reference Library Manual, 56 pages

GY28-2042

IBM SYSTEM/360 TIME SHARING SYSTEM: ON-LINE TEST CONTROL SYSTEM PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627  
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.  
Program Logic Manual, 56 pages

GY28-2047

IBM SYSTEM/360 TIME SHARING SYSTEM OPERATOR TASK AND BULK I/O - PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627  
This publication describes the internal logic of the Operator Task, Batch Monitor, BUIKIO Preprocessor, BUIKIO Task, and certain command and macro instruction processing routines associated with the above tasks, for IBM System/360 Time Sharing System (TSS/360). It is intended for use as a guide to the appropriate program listings.  
This program logic manual is directed to the IBM customer engineer responsible for program maintenance. It can be used to locate specific areas of the program, and it enables the reader to relate these areas to the corresponding program listings. Program logic information is not necessary for program operation and use.  
Program Logic Manual, 220 pages

GY28-2051

IBM SYSTEM/360 TIME SHARING SYSTEM PL/I COMPILER PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627  
This publication describes the internal logic of the IBM System/360 Time Sharing System PL/I Compiler. Program Logic Manuals are intended for use by IBM Customer Engineers involved in altering program design. It can be used to locate specific areas of the program and it enables the reader to relate these areas to the corresponding program listings. Program logic information is not necessary for program operators to use.  
Program Logic Manual, 500 pages

GY28-2052

IBM SYSTEM/360 TIME SHARING SYSTEM PL/I LIBRARY COMPUTATIONAL SUBROUTINES PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627  
This publication describes the internal specifications of PL/I subroutine library as the System component of IBM 360 TSS. The relationships between the code produced by the TSS/360 PL/I compiler, the PL/I Library modules and the control program are described, and similarities of the properties of individual modules are provided. This

information is intended for use by those involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the use and operation of the program.  
Program Logic Manual, 156 pages

GY28-6382

IBM SYSTEM/360 OPERATING SYSTEM COBOL CFS PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-CB-524 360S-LM-525  
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.  
Systems Reference Library Manual, 216 pages

GY28-6392

IBM SYSTEM/360 DISK OPERATING SYSTEM AMERICAN NATIONAL STANDARD COBOL: PROGRAM LOGIC MANUAL, PROG. NO. 360N-CB-482  
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.  
Systems Reference Library Manual, 430 pages

GY28-6394

IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-FO-479  
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.  
Systems Reference Library Manual, 244 pages

GY28-6395

IBM SYSTEM/360 OPERATING SYSTEM: USA STANDARD COBOL - PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360S-CB-545, 360S-LM-546  
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.  
Systems Reference Library Manual, 350 pages

GY28-6397

IBM CONVERSION AIDS: COBOL-TO-AMERICAN NATIONAL ST'D COBOL LANGUAGE CONVERSION PROGRAM - PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360N-CV-489, 360C-CV-713  
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.  
Systems Reference Library Manual, 314 pages

LY28-6403

IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED) COMPILER, PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-FO3  
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.  
Manual, 8-1/2 x 11, 634 pages

LY28-6406

SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION COBOL PROMPTER PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-CP1  
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.  
Manual, 86 pages

LY28-6407

IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3 PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-CB1  
This publication describes the internal design of the IBM System/360 Operating System Full American National Standard COBOL, X3.23-1968 Compiler and Library, Version 3. Program logic manuals are intended for persons involved in program maintenance, or for system programmers who are altering the program design for installations that require a special purpose COBOL compiler. It is not needed for normal use or operation of the compiler described.  
Manual, 8-1/2 x 11, 400 pages

LY28-6408

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY (MODEL I) PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-LM1  
This document describes the internal design of the IBM System/360 Operating System FORTRAN IV Library (Model 1), a program product.

The modules of the Model 1 library are designed to be combined as needed with the object code produced by the Code and Go FORTRAN or FORTRAN IV (G1) compilers to form executable load modules.

This document is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of the Model 1 library.

Distribution of this document is limited to licensees of the IBM program product it describes.  
Program Logic Manual, 154 pages

LY28-6409

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY MOD II PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-LM3  
This document describes the internal design of the IBM System/360 Operating System FORTRAN IV library (Model 11), a program product.

The modules of the Model II library are designed to be combined as needed with the object code produced by the FORTRAN IV (H Extended) compiler to form executable load modules.

This document is intended for person involved in program maintenance; program logic information is not necessary for the use and operation of the Model II library.

Distribution of this document is limited to licensees of the IBM program product it describes.  
Program Product Manual, 176 pages

LY28-6410

IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION FORTRAN PROMPTER - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-CP3  
This publication describes the internal organization and operation of the IBM System/360 Operating System Time Sharing Option FORTRAN Prompter, a TSO Command Processor designed to facilitate the use of the FORTRAN IV (G1) compiler. The Prompter provides the terminal user with a conversational means of allocating required data sets, building a compiler option list, and invoking the compiler.

The reader is assumed to be familiar with the Operating System, the concepts of TSO, and the options and data set requirements of the FORTRAN IV (G1) compiler.

Program Logic Manuals are intended for use by IBM customer engineers involved in program maintenance, and by systems programmers involved in altering the program design. Program logic information is not necessary for program operation and use; therefore, distribution of this manual is limited to persons with program maintenance or modification responsibilities.

Program Product Manual, 60 pages

LY28-6412

IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER VERSION 3, PROGRAM LOGIC MANUAL PROGRAM PRODUCT 5736-CB2

This publication describes the internal design of the IBM System/360 Disk Operating System Full American National Standard COBOL Compiler, Version 3. It is intended for use by persons involved in program maintenance and by system programmers involved in altering the program design for installations requiring such alteration. This publication supplements the compiler listing and its comments, but is not a substitute for them.

Effective use of this manual requires an understanding of IBM System/360 operation and of the IBM System/360 Disk Operating System service programs and macro instructions. Knowledge of both IBM Full American National Standard COBOL and the IBM System/360 Assembler Language is a prerequisite. Reference publications for this information are listed in the preface of this manual.  
Manual, 532 pages

LY28-6413

IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL SUBROUTINE LIBRARY, VERSION 3 PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5736-LM2

No abstract available.  
Program Product Manual, 168 pages

LY28-64 14

IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5736-CB1

This publication describes the internal logic of the Subset COBOL compiler and COBOL library object time subroutines. It is intended for use by persons responsible for program maintenance, and for systems programmers who must alter program design. Therefore, distribution of this publication is limited to licensees with the aforementioned requirements.

Program Product Manual, 876 pages

LY28-64 15

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED PLUS) COMPILER AND LIBRARY PROGRAM LOGIC SUPPLEMENT (PROGRAMMING REQUEST FOR PRICE QUOTATION) PROGRAM NUMBER 5799-AAW

This publication is a supplement to IBM System/360 Operating System: Fortran IV (A Extended) Compiler Program Logic Manual, Order No. LY28-6403. Together these publications provide customer engineers and other technical personnel with information describing the internal organization and operation of the FORTRAN IV (H Extended Plus) compiler.  
Supplementary Manual, 112 pages

LY28-64 19

IBM S/360 OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL SUBROUTINE LIBRARY V4 PLM - PROGRAM PRODUCTS 5734-CB2, 5734-LM2

The Program Logic Manual describes the internal design or logic of the subject program. This manual is intended for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of this publication is limited to persons with maintenance and alteration requirements.  
Manual, 252 pages

LY28-64 20

IBM S/360 OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL COMPILER V4 - PROGRAM LOGIC MANUAL - PROGRAM PRODUCT 5734-CB2

The Program Logic Manual describes the internal design or logic of the subject program. This manual is intended for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of this publication is limited to persons with maintenance and alteration requirements.  
Manual, 540 pages

LY28-64 22

SYSTEM/370 VS BASIC PROGRAM LOGIC - PROG. NO. 5748-XX1

This publication describes the internal logic and specifications of the IBM System/370 VS BASIC Processor. It is primarily intended for customer engineers and other technical personnel involved in program maintenance. Program logic is not necessary for the use and operation of the System/370 VS BASIC processor; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.  
Manual

LY28-64 23

IBM DOS/VS COBOL COMPILER PROGRAM LOGIC - PROGRAM NUMBER 5746-CB1

This publication describes the internal design of the IBM DOS/VS COBOL Compiler. It is intended for use by persons involved in program support and by system programmers involved in altering the program design for installations requiring such alteration. This publication supplements the compiler listing and its comments, but is not a substitute for them.

Effective use of this manual requires an understanding of the IBM Operating System and of the IBM DOS/VS service programs and macro instructions. Knowledge of both IBM DOS/VS COBOL and the IBM Assembler Language is a prerequisite. Reference publications for this information are listed in the preface of this manual.  
Manual, 542 pages

LY28-64 24

IBM DOS/VS COBOL SUBROUTINE LIBRARY PROGRAM LOGIC - PROGRAM NUMBER 5746-LM4

This publication describes the object-time subroutine library used by the IBM DOS/VS COBOL Compiler. It is intended for use by persons involved in library maintenance and by system programmers involved in altering the library for installations requiring such alteration. This publication supplements the subroutine listings and their comments, but it is not a substitute for them.

Effective use of this manual requires an understanding of the IBM operating system and the DOS/VS Operating System service programs and macro instructions, as well as the IBM DOS/VS COBOL Compiler. Knowledge of both DOS/VS COBOL and IBM Assembler Language is a prerequisite. Reference publications for this information are listed in the preface of this manual.

Manual, 192 pages

GY28-6566

IBM SYSTEM/360 CONVERSION AIDS: THE 709/7090/7094/7094 II EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65 PROGRAM LOGIC MANUAL - PROG. NO. 360C-EU-729  
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.  
Program Logic Manual

GY28-6569

IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 50 PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360C-EV-726  
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.  
Manual, 80 pages

GY28-6597

IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE PROGRAM LOGIC MANUAL, (PROGRAM NUMBER 360S-SM-023)  
This publication describes the internal logic of the IBM System/360 Operating System sort/merge program. This program logic manual is directed to the IBM customer engineer who is responsible for program maintenance. It can be used to locate specific areas of the program, and it enables the reader to relate these areas to the corresponding program listings. Because program logic information is not necessary for program operation and use, distribution of this manual is restricted to persons with program-maintenance responsibilities.  
This version of the sort/merge program is designed to:

- Sort a data set using as intermediate storage the IBM 2400 Series (7- or 9-Tracks) Magnetic Tape Unit, or the IBM 2311 Disk Storage Drive, or the IBM 2314 Direct Access Storage Facility, or the IBM 2301 Drum Storage.
- Merge up to 16 previously sorted data sets.

Program Logic Manual, 112 pages

GY28-6601

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (E) PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-FO-092  
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.  
Systems Reference Library Manual, 196 pages

GY28-6604

SYSTEM/360 OPERATING SYSTEM (OS) SEQUENTIAL ACCESS METHOD (SAM) LOGIC MANUAL - PROGRAM NUMBER 360S-DM-508  
This manual describes the internal logic of the GET, PUT, READ, WRITE, (and associated) modules for the queued sequential access method (QSAM), the basic sequential method (BSAM), and the basic partitioned access method (MPAM) of IBM System/360 Operating System. Sequential access method (SAM) executors and appendages are also described.  
The manual is intended for use by persons involved in programming maintenance, and system programmers who are altering the program design.  
The SAM routines used for optional character readers, magnetic character readers, and optical reader sorters are discussed in separate publications. They are indexed in the IBM System/360 and System/370 Bibliography, Order Number GA22-6622.  
Prerequisite Publications  
Before reading this publication, the reader should be familiar with the contents of:  
OS MVT Guide, Order Number GC28-6720  
OS MFT Guide, Order Number GC27-6939  
Manual, 276 pages

GY28-6605

IBM SYSTEM/360 OPERATING SYSTEM: INTRODUCTION TO CONTROL PROGRAM LOGIC, PROGRAM NUMBERS 360S-CI-505 360S-DM-508  
This publication describes the components of the primary control program (PCP) configuration of IBM System/360 Operating System and indicates the program logic manuals that describe these components. It contains general descriptions of the organization of the control program in both main and auxiliary storage, the flow of program control during a job step, the flow of control for

supervisor operation, and the processing for input/output operations. Appendix A contains the names, numbers, and macro instructions associated with the IBM-supplied SVC routines.

This manual is intended for persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for use and operation of the program.  
Program Logic Manual, 40 pages

GY28-6606

IBM SYSTEM/360 OPERATING SYSTEM CATALOG MANAGEMENT PROGRAM LOGIC MANUAL  
This manual provides detailed information on catalog management routines. These routines record identification of volumes used by data sets by maintaining information in logical records called indexes. The functions and structures of the routines are described, as are their relationships to other portions of IBM System/360 Operating System. This manual also describes the structure of catalog data sets that contain the indexes processed by catalog management routines.  
Program Logic Manual, 64 pages

GY28-6607

OS DADSM LOGIC MANAGEMENT ROUTINES - LOGIC MANUAL  
Provides detailed information about the direct-access device space management (DADSM) routines. The DADSM routines allocate and release space on a direct-access storage volume by altering the volume table of contents. This publication describes how these routines operate and how they relate to each other and to the control program (OS); it also describes data set control blocks, which make up the volume table of contents.  
The intended audience is persons who support the DADSM routines and system programmers who wish to alter the design of these routines. Cross-references to module names and to labels within each module of the DADSM routines are provided, as are descriptions of data areas, and methods of diagnosing DADSM problems.  
Prerequisite publications include:  
IBM System/360 Operating System  
Introduction to Control Program Logic, GY28-6605  
IBM System/360 Operating System:  
Job Control Language Reference, GC28-6704  
OS Data Management Services Guide, GC26-3746  
OS Data Management for System Programmers, GC28-6550  
OS SMP, GC28-6712  
Manual, 139 pages

GY28-6609

OS OPEN/CLOSE/EOV LOGIC, PROG. NO. 360S-DM-508  
This Program Logic Manual describes the internal logic of the routines of the queued sequential access method, the basic sequential access method, and the basic partitioned access method of the IBM System/360 Operating System. The sequential access method routines used for optical character readers, magnetic character readers, and optical reader sorters are discussed in separate publications relating to these devices. They are indexed in the IBM SYSTEM/360 BIBLIOGRAPHY, Order No. GA22-6622. Program Logic Manuals are intended for use by persons involved in program maintenance, and by system programmers who are altering the program design. Program logic information is not necessary for program operation and use.  
Manual, 211 pages

GY28-6610

IBM SYSTEM/360 OPERATING SYSTEM LINKAGE EDITOR PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-ED-510 (LEVEL E)  
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.  
System Reference Library Manual, 148 pages

GY28-6611

IBM SYSTEM/360 OPERATING SYSTEM TESTRAN PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-PT-516  
A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.  
Manual, 128 pages

GY28-6612

IBM SYSTEM/360 OPERATING SYSTEM FIXED TASK SUPERVISOR PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-CI-505  
This publication describes the internal logic of the Primary Control Program (PCP) Supervisor. The PCP Supervisor is a part of the IBM System/360 Operating System control program. The PCP Supervisor performs the following task

## management functions:

Interruption Supervision  
 Task Supervision  
 Main Storage Supervision  
 Contents Supervision  
 Program Fetch  
 Overlay Supervision  
 Time Supervision  
 System Environment Recording  
 Checkpoint/Restart

This manual is intended for use by persons involved in program maintenance, or system programmer who are altering the program design; it is not needed for normal use or for operation of the program described.  
 Program Logic Manual, 120 pages

GY28-6613

IBM SYSTEM/360 OPERATING SYSTEM: JOB MANAGEMENT PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-CI-505

This publication describes the internal logic within the job management portion of the IBM System/360 Operating System Primary Control Program. Job management prepares jobs for execution, and directs the disposition of data sets created during job execution. It also handles all communication between the operator and the primary control program. Included in the publication are descriptions of tables and work areas used by the job management routines and a directory of names and purposes of control sections assembly modules, and load modules.

The information contained in this publication applies only to the primary control program.

This manual is intended for persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for use and operation of the program.  
 Program Logic Manual, 170 pages

GY28-6614

IBM SYSTEM/360 OPERATING SYSTEM: UTILITIES, PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-UT-506

This publication describe the internal logic of the utility programs provided for the IBM System/360 Operating System:

- System utilities, which are executed under the operating system to manipulate system data sets such as catalogs.
- Data set utilities, which are executed under the operating system to work with data sets at the logical-record level.

- Independent utilities, which are executed outside of the operating system to dump, restore, and recover data, and to initialize and assign alternate tracks on direct access devices.

In addition to descriptive text, this publication contains flowcharts of the programs, figures showing the formats of the major tables and records, and an appendix that lists the modules of the utility programs.

This manual is intend for persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for use and operation of the program.

Information concerning Model 195 support is for planning purposes only.  
 Systems Reference Library Manual, 402 pages

GY28-6616

SYSTEM/360 OPERATING SYSTEM/OS INPUT/OUTPUT (I/O) SUPERVISOR LOGIC MANUAL - PROGRAM NUMBER 360S-CI-505

This publication describes the input/output supervisor, which consists of the control program routines that carry on input/output activity for the Operating System.

Input/output supervisor routines start, monitor, and where necessary, restart activity on input/output devices.

Following an introduction, there is a method of operation section in this publication which is organized to reflect the sequence of events that takes place when the input/output supervisor receives a request for input/output (I/O) activity:

- o Validating Input Data
- o Scheduling I/O Operations
- o Starting I/O Operations
- o Terminating I/O Operations
- o Restarting I/O Operations
- o Recording Error DTA

The remaining sections of this publication support the method of operation section, and include descriptions of program organization, directories for PLM-to-listing and listing-to-PLM transitions, descriptions of data areas, diagnostic aids, and appendices.

This manual is intended for persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for the use and operation of the program.  
 Manual, 316 pages

GY28-6617

SYSTEM/360 OPERATING SYSTEM BDAM LOGIC MANUAL PROGRAM NUMBER 360S-DM-509

This book describes the internal logic of the basic direct access method (BDAM). It is intended as a reference book for programming support representatives and system programmers maintaining BDAM routines and for customer

programmers modifying BDAM routines.

A general understanding of data management is prerequisite knowledge for understanding the information in this book. See Data Management Services Guide, GC26-3746, for background information on data management.  
 Manual, 112 pages

GY28-6618

OS ISAM LOGIC - PROG. NO. 360S-IO-526

Describes the program logic of the queued indexed sequential access method and the basic indexed sequential access method (BISAM). Discusses the relationship of indexed sequential access method routines with other parts of the control program.  
 Manual, 290 pages

GY28-6638

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G) COMPILER PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-FO-520

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 252 pages

GY28-6642

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H) COMPILER PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-FO-500

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 260 pages

GY28-6645

IBM SYSTEM/360 DISK OPERATING SYSTEM TAPE AND DISK SORT/MERGE PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-SM-483

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 128 pages

GY28-6651

IBM SYSTEM/360 OPERATING SYSTEM RELEASE 20 ON-LINE TEST EXECUTIVE PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-DN-533

No abstract available.  
 Manual, 125 pages

GY28-6659

IBM SYSTEM/360 OPERATING SYSTEM MVT SUPERVISOR PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-CI-535

This publication describes the internal logic of the MVT supervisor. The MVT supervisor is one part of the control program of the IBM System/360 Operating System. The supervisor controls the basic computing system and programming resources needed to perform several data processing tasks concurrently. Specifically, it was designed to:

- 1) Handle interruptions
- 2) Supervise tasks
- 3) Control programs in main storage
- 4) Control main storage itself
- 5) Supervise the timer
- 6) Supervise console communications and the system log
- 7) Handle checkpoint restarts
- 8) Supervise exiting procedures
- 9) Supervise termination procedures

Program Logic Manuals are intended for use by IBM customer engineers involved in program maintenance, and by system programmers involved in altering the program design. Program logic information is not necessary for program operation and use.

The information in this publication applies only to systems capable of multiprogramming with a variable number of tasks (MVT). Information concerning Model 195 support is for planning purposes only.  
 Program Logic Manual, 600 pages

GY28-6660

IBM SYSTEM/360 OPERATING SYSTEM: MVT JOB MANAGEMENT, PROGRAM LOGIC MANUAL, PROGRAM NUMBER 360S-CI-535

This publication describes the internal logic of the Job Management routines for the MVT control program of the IBM System/360 Operating System. Included are discussions of input stream processing, work queue management, job



initiation and termination, I/O device allocation, system output processing, and the scheduling and execution of operator commands.

This manual is intended for persons involved in program maintenance, or system programmers who are altering the program design; it is not necessary for use and operation of the program.  
Program Logic Manual, 370 pages

GY28-6661

OS INITIAL PROGRAM LOAD AND NUCLEUS INITIALIZATION PROGRAM LOGIC - PROG. NO. 360S-CI-535

This publication presents the internal logic of the IBM System/360 Operating System Initial Program Loader and Nucleus Initialization Program and is to be used as a guide to the program listings. The operation of the Nucleus Initialization Program in each of the three control program environments (PCP, MFT, MVT) is described in the section dealing with the Nucleus Initialization Program. Additional initialization procedures for multiprocessing systems are included. The table, work areas, and control blocks are illustrated in the publication, as well as flowcharts illustrating the logic flow of the Initial Program Loader and the Nucleus Initialization Program.

This publication is intended for personnel involved in program maintenance and system programmers who are altering the system design. Program logic information is not necessary for the use and operation of the control program.  
Program Logic Manual, 92 pages

GY28-6667

IBM SYSTEM/360 OPERATING SYSTEM LINKAGE EDITOR (F) PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-ED-521

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 180 pages

GY28-6688

INTERNAL LOGIC MANUAL FOR THE IBM 2947-4 CHECK COLLECTION CONTROLLER SEQUENTIAL ACCESS METHOD - PROGRAM SUPPORT RPQ 888264 - PROGRAM NUMBERS 5799-WAF 5799-WAG

This publication describes the internal logic of the Check Collection Sequential Access Method (CSAM) program, which contains the data-management macro instructions and services for the IBM 2947 Model 4 Check Collection Controller. CSAM can be used with either the IBM Operating System/360 or the Disk Operating System/360.

To explain their differences and similarities, this publication has text introductions, method of operation diagrams, flowcharts, data-area formats, program organization and descriptions.  
Program Logic Manual, 66 pages

LY28-6696

IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK SORT/MERGE PROGRAM - PROGRAM NUMBER 5736-SM1

This publication describes the internal logic of the IBM System/360 Disk Operating System Tape and Disk Sort/Merge Program. It describes the functions performed by specific areas of the program and is intended for persons involved in program maintenance, and system programmers who are altering the program design, program logic information is not necessary for use and operation of the program. In addition to the functional descriptions, this publication contains flowcharts, a microfiche directory, table layouts, and diagnostic aids.  
Program Logic Manual, 135 pages

GY28-6714

IBM SYSTEM/360 OPERATING SYSTEM LOADER - LOGIC MANUAL - PROG. NO. 360S-LD-547

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

The Loader functions a processing program to combine and link input subject and load modules in main storage and to pass control directly to the loaded program for its execution. This publication identifies areas of the program that perform specific functions and relates those areas to the program listing.  
Systems Reference Library Manual, 140 pages

GY28-6717

IBM SYSTEM/360 OPERATING SYSTEM PROGRAM LOGIC MANUAL MASTER INDEX

This publication consolidates the indexes of program logic manuals for the IBM System/360 Operating System. It also provides a reading plan for program logic manuals.

The master index lists topics alphabetically, and

refers to manuals where these topics are discussed. The indexes of these manuals list the same topics and refer to specific pages.  
Manual, 506 pages

GY28-6721

IBM SYSTEM/360 OPERATING SYSTEM: SERVICE AIDS PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-DN-554

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

Manual, 392 pages

SY28-6746

IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1 CONTROL PROGRAM DESIGN SPECIFICATIONS SUPPORTING RPQ 888117

This publication contains the design specifications for the IBM 2969 Programmable Terminal Interchange Model 1, Control Program (APTIOS). The specifications are arranged by area according to a cross-reference number. Thus, the specifications dealing with a particular system area (e.g., ILP/Restate/Initialization) are found in one section of the manual. Within each section, the specifications are arranged in sequence by document number.

Manual, 2,925 pages

LY28-6761

OS/MFT, OS/MVT, AND OS/VS DATA SET UTILITIES SUPPORT FOR ASCII: LOGIC MANUAL, PROG. NO. 5734-UT2

This publication describes the internal logic of the System/360 Operating System data set utilities that support the American National Standard Code for Information Interchange (ASCII). This support is a program product that permits users to create and maintain both ASCII and EBCDIC data sets even through all System/360 internal operations are in EBCDIC mode.

This publication is intended for persons involved in program maintenance, and for system programmers who are altering the program design. The information in this manual is not necessary for the use and operation of the utility programs.  
Program Product Logic Manual, 252 pages

LY28-6766

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION DATA UTILITIES: COPY, FORMAT, LIST, MERGE PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-UT1

The Program Logic Manual describes the internal design or logic of the subject program. This manual is intended for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of this publication is limited to persons with maintenance and alteration requirements.  
Manual, 394 pages

GY28-6770

OS TSO TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES PLM, PROGRAM NUMBER 360S-CI-555

This publication consists of self-contained chapters, each of which provides information on how to modify, extend, or implement the data management capabilities of the IBM System/360 Operating System control program. It is designed primarily for system programmers responsible for maintaining, updating, and extending the operating system features.

Topics:

Catalog and VTOC Maintenance  
IECDSECT, IEFJFCBN, AND IEPUCBOB Macro Instructions  
The EXCP Macro Instruction  
The XDAP Macro Instruction  
Implementing Data Set Protection  
Adding a UCS Image to the System Library  
Program Logic Manual, 546 pages

GY28-6771

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 1, ACCOUNT PROGRAM NUMBER 360S-CI-555

This publication describes the internal logic of the programs that handle the ACCOUNT command and its ADD, CHANGE, DELETE, and LIST subcommands. It also describes the internal logic of the ACCOUNT SUBROUTINES AND THE ACCOUNT BROADCAST interface.

The command processors are described with method of operation diagrams, flowcharts, and supporting text. Major data areas are shown, and directories for routines and principal data areas are provided.

This manual is intended for persons involved in program maintenance, or systems programmers who are altering the program design; it is not intended for normal use or operation of the program described.  
Manual, 415 pages

GY28-6772

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 2, ALLOCATE, CALL, CANCEL/STATUS, DELETE, PROGRAM NUMBERS 360S-CI-555, 360S-UT-506  
This publication describes the internal logic of the programs that handle the ALLOCATE, CALL, CANCEL/STATUS, and DELETE commands.

The command processors are described with method of operation diagrams, flowcharts, and supporting text. Major data areas are shown, and directories for routines and principal data areas are provided.

This manual is intended for persons involved in program maintenance, or systems programmers who are altering the program design; it is not intended for normal use or operation of the program described.  
Manual, 210 pages

GY28-6773

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 3, EDIT PROGRAM NUMBER 360S-UT-506

This publication describes the internal logic of the EDIT Command Processor program (Program Number 360S-UL-506). Included in this manual are discussions of the organization and method of operation of the program, a microfiche directory, tables of data layouts, flowcharts, and a glossary.

Program Logic Manual (GY28-6770) contains prerequisite information. Corequisite publications are:  
IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION:

COMMAND LANGUAGE REFERENCE (GC28-6732)  
COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 4 (GY28-6774)  
COMMAND PROCESSOR PROGRAM LOGIC MANUAL VOLUME 6 (GY28-6774)

TSO DATA UTILITIES COPY, FORMAT, LIST, MERGE  
USER'S GUIDE AND REFERENCE MANUAL (LY28-6766)

Manual, 475 pages

GY28-6774

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 4, EXEC, FREE, HELP, LINK, LISTBC - PROG. NO. 360S-CI-555 LISTALC - PROG. NO. 360S-UT-506

This publication describes the internal logic of the programs that handle the EXEC, FREE, HELP, LINK, LISTALC, and LISTBC commands.

The command processors are described with method of operation diagrams, flowcharts, and supporting text. Major data areas are shown, and directories for routines and principal data areas are provided.

This manual is intended for persons involved in program maintenance, or systems programmers who are altering the program design; it is not intended for normal use or operation of the program described.  
Manual, 325 pages

GY28-6775

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 5, LISTCAT, LISTDS, LOADGO, OPERATOR, OUTPUT - PROGRAM NUMBERS 360S-CI-555, 360S-UT-506  
This publication describes the internal logic of the programs that handle the LISTCAT, LISTDS, LOADGO, OPERATOR, and OUTPUT commands.

The command processors are described with method of operation diagrams, flowcharts, and supporting text. Major data areas are shown, and directories for routines and principal data areas are provided.

This manual is intended for persons involved in program maintenance, or systems programmers who are altering the program design; it is not intended for normal use or operation of the program described.  
Manual, 375 pages

GY28-6776

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 6, PROFILE, RUN, SEND, SUBMIT, TERMINAL, TIME, WHEN/END (360S-CI-555) PROTECT RENAME (PROG. NO. 360S-UT-506)  
This publication describes the internal logic of the programs that handle the PROFILE, PROTECT RENAME, RUN, SEND, SUBMIT, TERMINAL, TIME, and WHEN/END commands.

The command processors are described with method of operation diagrams, flowcharts, and supporting text. Major data areas are shown, and directories for routines and principal data areas are provided.

This manual is intended for persons involved in program maintenance, or systems programmers who are altering the program design; it is not intended for normal use or operation of the programs described.  
Manual, 474 pages

GY28-6777

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 7, TEST PROGRAM NUMBER 360S-UT-506

This publication describes the internal logic of the TSO Test Command Processor. It contains text introductions, method-of-operation diagrams, flowcharts, data area formats,

program organization descriptions, and a module directory. The Test Command Processor allows a terminal user to test an assembly language program. The program may be running normally in main storage, may have begun to ABEND, or may not yet have been loaded. The Test Command Processor performs the following main functions:

- o Loads the program to be tested, if it is not already in main storage
- o Interrupts the program under test at a specified location or locations, so that the user can display or patch parts of the program
- o Displays selected areas of the program in main storage or the contents of specified registers
- o Changes the contents of specified program locations in main storage or the contents of specified registers
- o Starts the program under test from its starting location, from its ABEND address, or from any other specified address

This publication is written for persons who maintain or modify TSO and is not required by persons who use TSO to process programs or who write programs that are processed by TSO.

Program Logic Manual, 300 pages

GY28-6800

IBM SYSTEM/360 OPERATING SYSTEM, PL/I (F) COMPILER PROGRAM LOGIC MANUAL, PROGRAM NUMBER 360S-NL-511

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 452 pages

GY28-6801

IBM SYSTEM/360 OPERATING SYSTEM, PL/I SUBROUTINE LIBRARY, PROGRAM LOGIC MANUAL, PROGRAM NUMBER 360S-LM-512

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 244 pages

GY28-6811

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM ASSEMBLER PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360F-AS-616

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 142 pages

GY28-6812

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM SUPERVISOR AND JOB CONTROL PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360F-IO-613 360F-CL-614

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 240 pages

GY28-6813

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM LINKAGE EDITOR PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360F-ED-615

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 134 pages

GY28-6814

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM UTILITIES AND STAND ALONE PROGRAMS PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 360F-UT-606 THROUGH -612, -617, AND -620

A Program Logic Manual describes the internal design or

logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 174 pages

## GY28-6815

IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM FORTRAN IV COMPILER PROGRAM NUMBER 360F-FO-618

PROGRAM LOGIC MANUAL - COMPILER PROGRAM NUMBER 360F-FO-618

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 236 pages

## GY28-6816

IBM SYSTEM/360 CONVERSION AIDS 1620 SIMULATOR FOR IBM SYSTEM/360 MODEL 44 PROGRAM LOGIC MANUAL - 360C-SI-755

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.

Systems Reference Library Manual, 112 pages

## GY28-6831

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV SYNTAX CHECKER PROGRAM NUMBER 360S-FO-550

This publication describes the internal logic of the FORTRAN IV Syntax Checker, which is a component of the IBM System/360 Operating System Conversational Remote Job Entry (CRJE). Thus, the reader is required to have a knowledge of FORTRAN IV and an understanding of the concepts and facilities of CRJE. The publication identifies areas of the syntax checker that perform specific functions and relates those areas to the program listings.

The FORTRAN IV Syntax Checker, a processing program called via the terminal command language of CRJE, scans input written for the E, G, or H levels of the FORTRAN IV language for syntactical errors. The input is checked on a single-statement basis, i.e., no cross-checking between statements is performed. The syntax checker:

- receives FORTRAN source statements in a chain of buffers from CRJE.
- scans these statements for errors; multiple errors in one statement are diagnosed whenever possible.
- sends appropriate error messages to CRJE for printing at the user's terminal.

This program logic manual is directed to the IBM customer engineer who is responsible for program maintenance. Because program logic information is not necessary for program operation and use, distribution of this manual is restricted to persons with program maintenance responsibilities.

Program Logic Manual, 128 pages.

## LY28-6832

IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC INTRODUCTION AND METHOD OF OPERATION PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2

This publication describes the internal logic of the Interactive Terminal Facility (ITF) that operates under System/360 Operating System (OS) or System/360 Disk Operating System (DOS). It is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of the ITF; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.

This publication is one section of the ITF program logic manual. Please refer to the Preface for a list of other sections that, together with this one, form the ITF program logic manual.

Program Product Logic Manual, 66 pages

## LY28-6833

IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC INITIALIZATION SYSTEM CONTROL, AND SYSTEM SUPPORT PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2

This publication describes the internal logic of the Interactive Terminal Facility (ITF) that operates under System/360 Operating System (OS) or System/360 Disk Operating System (DOS). It is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of the ITF;

therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.

This publication is one section of the ITF program logic manual. Please refer to the Preface for a list of other sections that, together with this one, form the ITF program logic manual.

Program Product Logic Manual, 270 pages

## LY28-6834

IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE COMPONENT CONTROLLER PROGRAM LOGIC MANUAL PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2

This publication describes the internal logic of the ITF under OS or DOS for persons involved in program maintenance. It is only one section of the PLM. This third section of the PLM for DOS or OS ITF users should be preceded by LY28-6832 Introduction and Method of Operation, and LY28-6833 Initialization, System Control and System Support Components. For PL/I-only users it should be followed by LY28-6835 and LY28-6837 Language Component and LY28-6840 Index. For BASIC users only substitute LY28-6836 for LY28-6835. Users of both PL/I and BASIC should refer to all four.

Program Product Logic Manual, 10 pages

## LY28-6835

IBM SYSTEM/360 OS/DOS ITF PL/I PROGRAM LOGIC LANGUAGE COMPONENT: PL/I ROUTINES PROGRAM NUMBERS 5734-RC1, 5736-RC1

This publication describes the internal logic of the Interactive Terminal Facility (ITF) that operates under System/360 Operating System (OS) or System/360 Disk Operating System (DOS). It is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of the ITF; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.

This publication is one section of the ITF program logic manual. Please refer to the Preface for a list of other sections that, together with this one, form the ITF program logic manual.

Program Product Logic Manual, 102 pages

## LY28-6836

IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE COMPONENT: BASIC ROUTINES PROGRAM NUMBERS 5736-RC2, 5734-RC3

This publication describes the internal logic of the Interactive Terminal Facility (ITF) that operates under System/360 Operating System (OS) or System/360 Disk Operating System (DOS). It is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of the ITF; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.

This publication is one section of the ITF program logic manual. Please refer to the Preface for a list of other sections that, together with this one, form the ITF program logic manual.

Program Product Logic Manual, 170 pages

## LY28-6837

IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE COMPONENT: COMMON ROUTINES AND REFERENCE DATA PROGRAM NUMBERS 5734-RC1, RC3, 5736-RC1, RC2

This publication describes the internal logic of the Interactive Terminal Facility (ITF) that operates under System/360 Operating System (OS) or System/360 Disk Operating System (DOS). It is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of the ITF; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.

This publication is one section of the ITF program logic manual. Please refer to the Preface for a list of other sections that, together with this one, form the ITF program logic manual.

Program Product Logic Manual, 138 pages

## LY28-6840

INDEX FOR THE OS/DOS ITF PLM, PROG. NOS. 5734-RC1 AND 3, 5736-RC1 AND 2

This publication is the last section of the OS/DOS ITF program logic manual. Its preface lists the other sections that will complete the form of PLM required.

Index, 16 pages

## LY28-6842

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY PROGRAM LOGIC INITIALIZATION, SYSTEM CONTROL, AND SYSTEM SUPPORT PROGRAM NUMBERS 5734-RC2, 5734-RC4

This publication describes the internal logic of ITF (Interactive Terminal Facility) that operates under System/360 Operating System with TSO (Time Sharing Option). It is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of ITF; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.

This publication is one section of the ITF program logic manual. Please refer to the preface for a list of other sections that, together with this one, form the ITF program logic manual.  
Manual, 98 pages

LY28-6845

IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION)  
INTERACTIVE TERMINAL FACILITY PROGRAM LOGIC INDEX  
PROGRAM NUMBERS 5734-RC2, 5734-RC4

This publication describes the internal logic of ITF (Interactive Terminal Facility) that operates under System/360 Operating System with TSO (Time Sharing Option). It is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of ITF; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.

This publication is one section of the ITF program logic manual. Please refer to the Preface for a list of other sections that, together with this one, form the ITF program logic manual.  
Program Product, 26 pages

LY28-6846

IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN  
PROCESSOR PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 5734-F01

This publication describes the internal logic of the Code and Go FORTRAN IV compiler.

Program Logic Manuals are intended for use by IBM customer engineers involved in program maintenance, and by systems programmers involved in altering the program design. Program logic information is not necessary for program operation and use; therefore, distribution of this manual is limited to persons with program maintenance or modification responsibilities.

The Code and Go FORTRAN IV compiler is a processing program of the IBM System/360 Operating System. It translates one or more source programs written in the FORTRAN language into System/360 executable machine code and then initiates execution of that code under the Time Sharing option of the operating system.  
Program Product, 364 pages

LY28-6856

IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G1) COMPILER PLM  
PROGRAM NUMBER 5734-FO2

This publication describes the internal logic of the FORTRAN IV (G1) compiler.

The FORTRAN IV (G1) compiler, an extended version of FORTRAN IV (G), is adapted to a time sharing as well as a batch environment. It is a program product that operates under the IBM System/360 Operating System. It provides the ability to store object programs and to produce source and object listings storage maps and object decks. In addition, the FORTRAN IV (G1) compiler produces a terse form of output comprised of error messages and compiler statistics, suitable for terminal display.

This program logic manual is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of the FORTRAN (G1) compiler; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.  
Program Logic Manual, 248 pages

GY28-7106

IBM SYSTEM/360 OPERATING SYSTEM UPDATE ANALYSIS PROGRAM  
PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 360S-UT-506

This publication describes the internal logic of the Update Analysis Program, a component of the IBM System/360 Operating System. The publication is intended for use by persons involved in program maintenance, and system programmers who are altering the program design. Program logic information is not necessary for use and operation of the program; therefore, distribution of this publication is limited to those with the aforementioned requirements.  
Program Logic Manual, 21 pages

GY30-2001

IBM SYSTEM/360 OPERATING SYSTEM BASIC TELECOMMUNICATIONS  
ACCESS METHOD PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 360S-CQ-513

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.  
Systems Reference Library Manual, 184 pages

GY30-2002

IBM SYSTEM/360 OPERATING SYSTEM QUEUED TELECOMMUNICATIONS  
ACCESS METHOD PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 360S-CQ-519

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended

for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.  
Systems Reference Library Manual, 314 pages

GY30-2005

PROGRAM NUMBER 360S-RC-536  
IBM SYSTEM/360 OPERATING SYSTEM BASIC TELECOMMUNICATIONS  
ACCESS METHOD

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.  
Systems Reference Library Manual, 256 pages

GY30-2006

BOS & BPS RJE/WORK STATION PROGRAM: LOGIC, PROG. NOS.  
360B-CQ-311 (BOS), 360P-CQ-218 (BPS)

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements.  
Systems Reference Library Manual, 50 pages

GY30-2027

IBM SYSTEM/360 OPERATING SYSTEM TCAM SERVICEABILITY AIDS:  
PROGRAM LOGIC MANUAL, PROGRAM NUMBER 360S-CQ-548

This publication describes the internal logic of the Operating System Telecommunications Access Method Serviceability Aids. It is intended for use by IBM Program Support representatives and system programmers who are altering the program design.  
Program Logic Manual, 208 pages

GY30-2029

OS MFT/MVT TCAM LOGIC, PROG. NO. 360S-CQ-548

The IBM System/360 Telecommunications Access Method (TCAM) allows high-level, device-independent communication with telecommunications equipment. This program provides a flexible message control language that can be used to achieve installation-oriented message control.

This publication describes the internal logic of TCAM. It identifies and discusses the parts of the program that perform specific functions and relates these parts to the program listing. It is directed to the IBM customer engineers and system engineers who need information on the internal organization and logic of TCAM in order to provide program maintenance.

In order to understand the logic of TCAM, the reader must have a general understanding of IBM System/360 Operating System. In addition, the following are prerequisite publications:

- o IBM SYSTEM/360 OS TCAM CONCEPTS AND FACILITIES, Order No. GC30-2022, to gain familiarity with the overall concepts and structure of TCAM.
- o IBM SYSTEM/360 OS TCAM PROGRAMMER'S GUIDE, Order No. GC30-2024, to learn how to construct and modify a TCAM message control program and a TCAM-compatible application program.

In addition, the IBM SYSTEM/360 OS SYSTEM CONTROL BLOCKS publication, Order No. GC28-6628, provides co-requisite information on system control blocks used by TCAM.  
Manual, 500 pages

GY30-3000

IBM 3735 PROGRAMMABLE BUFFERED TERMINAL FORM DESCRIPTION  
MACRO INSTRUCTIONS AND FORM DESCRIPTION UTILITY  
PROGRAM LOGIC MANUAL (OS, DOS, AND VS SYSTEMS)

This publication describes the internal logic of the OS and DOS programming support for the IBM 3735 Programmable Buffered Terminal. The 3735 programming support includes both Form Description (FD) macro instructions and Form Description utility programs to provide the operating environment for applications using preprinted (fixed-format) forms and batch processing.

This publication is intended for IBM programming systems representatives who maintain the 3735 programming support and for customer system programmers who modify that support.

To understand the logic of the 3735 programming support, the reader must have a general understanding of OS or DOS and of the macro language facility of the assembler.  
Program Logic Manual, 180 pages

SY30-3001

IBM 3705 COMMUNICATIONS CONTROLLER EMULATION PROGRAM  
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360H-TX-033

This publication is designed to supplement the program listings for the Emulation Program and to make access to the

information in the listings easier.

New techniques are used to help in understanding the program and in referring quickly to listings for details on the implementation. The publication relies on method of operation diagrams that show how the Emulation Program routines operate and that provide functional "maps" (by cross-reference) through the listings.  
Manual, 184 pages

## SY30-3003

IBM 3705 COMMUNICATIONS CONTROLLER NETWORK CONTROL PROGRAM  
PLM, PROG. NO. (OS) 360H-FX-034  
This publication covers the internal logic of the IBM 3705 Communications Controller, Network Control Program (NCP). It is designed to supplement the program listings for the NCP and to make access to the information in the listings easier.

The Network Control Program PLM is directed to the IBM program support representatives and system engineers who provide program maintenance and who need information on the internal organization and logic of the NCP.  
Manual, 400 pages

## LY30-3004

GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85007  
SPECIAL START-STOP LINE CONTROL FOR IBM 3705 EMULATION  
PROGRAM - PROGRAM NUMBER 5799-AGK

This document contains information reflection changes to the current version of the Emulation Program, V1M2, required for support of special start-stop devices.

Documentation is divided into three sections:

Section 1 - General description of the Special Stop Line Control PRPQ (P85007).

Section 2 - Information relating to areas of the Emulation Program Generation Manual, GC30-3002-1, that are affected by Special Start-Stop Line Control support.

Section 3 - Information relating to areas of the Emulation Program PLM, SY30-3001-0, that are affected by Special Start-Stop Line Control support.  
Manual, 30 pages

## LY30-3005

GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85004,  
SIX BIT TRANSCODE FOR IBM 3705 EMULATION PROGRAM  
PROGRAM NO. 5799-AGA

This document contains information reflecting changes to the current version of the Emulation Program, V1M2, required for support of Six Bit Transcode, PRPQ P85004. The document is intended for analysts and programmers responsible for the generation and maintenance of the Emulation Program, and for IBM system engineers and field engineers.

These changes affect only the method employed in converting transmitted or received data, rather than the actual functions performed by the Emulation Program. Consequently, only a few changes to the EP PLM, SY30-3001, and EP Generation Manual, GC30-3002, are necessitated by this PRPQ. Only the areas affected by the changes are included in this document.

Documentation is divided into three sections:

Section 1. General description of the Six Bit Transcode PRPQ (P85004)

Section 2. Information relating to areas of the Emulation Program Generation Manual, GC30-3002, that are affected by Six Bit Transcode support.

Section 3. Information relating to areas of the Emulation Program PLM, SY30-3001, that are affected by Six Bit Transcode support.

Manual, 20 pages

## SY30-3006

IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR  
PROGRAM SUPPORT FOR HARDWARE RPQ M26099 SABRE LINE CONTROL  
CONTAINS INFORMATION REFLECTING CHANGES TO THE CURRENT  
VERSION OF THE EMULATION PROGRAM, V1M2, REQUIRED FOR SUPPORT  
OF AIRLINES (SABRE) LINE CONTROL PSRRPQ P85000. IT IS  
INTENDED FOR ANALYSTS AND PROGRAMMERS RESPONSIBLE FOR THE  
GENERATION AND MAINTENANCE OF THE EMULATION PROGRAM, AND FOR  
IBM SYSTEMS ENGINEERS AND FIELD ENGINEERS. IT IS ASSUMED  
THAT THE READER HAS A CONCEPTUAL KNOWLEDGE OF THE CURRENT  
EMULATION PROGRAM AND OF THE AIRLINES LINE CONTROL SUPPORTED  
BY RPQS FOR THE 2703 TRANSMISSION CONTROL UNIT.

Documentation is divided into three sections:

Section 1 - General description of the Airlines Line Control (ALC) PSRRPQ P85000.

Section 2 - Information relating to areas of the Emulation Program Generation and Utilities Guide and Reference Manual, GC30-3002, that are affected by Airlines Line Control support.

Section 3 - Information relating to areas of the Emulation Program PLM, SY30-3001, that are affected by Airlines Line Control support.

Manual, 74 pages

## SY30-3008

IBM 3704 AND 3705 DATA AREAS

This handbook contains reference information about the contents and format of the Network Control Program and Emulation Program data areas. It is designed to be used with the program logic manual that supports the particular program.  
Handbook, 150 pages

## LY30-3009

IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR  
PROGRAMMING RPQ P85005, SPECIAL SYNCHRONOUS LINE CONTROL  
PROGRAM NO. 5799-APY

This document describes the changes made to the IBM 3705 Emulation Program for programming RPQ P85005, Special Synchronous Line Control. This PRPQ emulates the Inter-Processor Communications Adapter (IPCA) feature of the IBM 2701 (RPQ M24802) and the cyclic checking feature for the 2701 with IPCA (RPQ M25697).

The document gives general information about the PRPQ and specific information about specifying the PRPQ during EP generation and about the internal logic of the PRPQ. It also summarizes the functions of a hardware RPQ required if certain features of the PRPQ are selected and describes in detail the commands and control characters used with the PRPQ.

This document supplements the information in the IBM 3704 and 3705 Communications Controllers Emulation Program Generation and Utilities, Controller Emulation Program, Program Logic Manual (SY30-3001). It is intended for analysts and programmers responsible for the generation and maintenance of the Emulation Program, and for IBM systems engineers and customer engineers.  
Manual, 50 pages

## GY30-3012

IBM 3704 AND 3705 PROGRAM REFERENCE HANDBOOK

This handbook was formerly titled IBM 3704 and 3705 Data Areas SY30-3008. The handbook contains detailed information about the Network Control Program and Emulation Program data areas. It also contains debug and reference information such as command codes, abend codes, responses, MDR record formats, etc.

Manual, 3-3/4 x 6-3/4 inches, 200 pages

## SY30-3014

IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC  
MANUAL FOR RPQ 858663, PLOTTER ADAPTER - PSRRPQ P85008 -

This document contains information necessary to generate and use the Plotter Adapter Program (PSRRPQ P85008) for the IBM 3705 Emulation Program. This program, for use with RPQ 858663, provides for the attachment of IBM 1627 and/or CALCOMP 500,600, and 700 series plotters to the 3705.

This manual is intended for analysts and programmers responsible for generation and maintenance of the Emulation Program and for IBM system engineers and IBM customer engineers.

This document is intended to be used with the IBM 3704 and 3705 Communication Controllers Emulation Program Generation and Utilities, Guide and Reference Manual (GC30-3002) and the IBM 3704 and 3705 Communications Controllers Emulation Program Generation and Utilities, Guide and Reference Manual (GC30-3002) and the IBM 3704 and 3705 Communications Controllers Emulation Program, Program Logic Manual (SY30-3001).

\*gPRL7-6N-17

Manual, 30 pages

## LY30-3016

IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR  
PROGRAMMING RPQ P85015, VIRTUAL 50 LINE SUPPORT - PROG.  
NO. 5799-AKQ

This document contains information reflecting changes to the IBM 3705 Emulation Program, version 2 modification 2, required for Virtual 50 Line Support, PRPQ P85015 (Program Number 5799-AKQ). This PRPQ allows the attachment of up to six high-speed Binary Synchronous Communication lines to the IBM 3705 Communications Controller.

This document is intended for analysts and programmers responsible for the generation and maintenance of the Emulation Program, and for IBM systems engineers and field engineers. The reader should have a conceptual knowledge of the current Emulation Program.

The document is divided into three sections:

- o Section 1 is a general description of Virtual 50 concepts.
- o Section 2 contains the information needed to generate the Virtual 50 PRPQ into the Emulation Program.
- o Section 3 describes the program logic of the Virtual 50 PRPQ.

Logic Manual, 20 pages

## GY30-5001

IBM SYSTEM/360 DISK OPERATING SYSTEM  
BASIC TELECOMMUNICATIONS ACCESS METHOD PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 360N-CQ-469

This publication describes the internal logic of the Disk Operating System's Basic Telecommunications Access Method (DOS/BTAM). It is intended for use by persons involved

in program maintenance and for systems programmers who are altering the program design. Program logic information is not necessary for the use and operation of the program; therefore, distribution of this publication is limited to those with the aforementioned requirements. Program Logic Manual, 314 pages

## GY30-5002

IBM SYSTEM/360 DISK OPERATING SYSTEM  
QUEUED TELECOMMUNICATIONS ACCESS METHOD  
PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-CQ-470

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements. Systems Reference Library Manual, 382 pages

## GY33-6003

IBM SYSTEM/360 PL/I LANGUAGE SPECIFICATIONS

This publication is the IBM description of the PL/I language. It does not describe any implementation; nor does it imply that any of the language described has been implemented or will be implemented by IBM. The publication is intended for the use of implementers and programming language designers. Language Specifications Manual, 243 pages

## LY33-6007

OS PL/I OPTIMIZING COMPILER: PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 5734-PL1

The internal design of the OS PL/I Optimizing Compiler is described in this manual, which is written for use by programmers responsible for maintenance of the compiler. The manual is intended primarily as a guide to analysis of the program listings by people who are generally familiar with the compiler. However, overall and component descriptions are provided for use by readers who have no prior knowledge of the compiler design. Program Logic Manual, 752 pages

## LY33-6008

SYSTEM/360 OPERATING SYSTEM PL/I RESIDENT LIBRARY:  
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-LM4

The OS PL/I Resident Library consists of standard subroutines that are link-edited with object programs generated by the OS Optimizing Compiler. The library is used in program management, input/output, conversion, and interlanguage communication, and also includes many computational subroutines.

This publication is intended primarily for use by programmers concerned with the maintenance of the resident library. It summarizes, under functional headings, the internal logic of the library subroutines, and gives brief details of the relationships between them. Manual, 388 pages

## LY33-6009

OS PL/I TRANSIENT LIBRARY: PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 5734-LM5

The OS PL/I Transient Library consists of standard subroutines that are loaded during execution of programs compiled by the OS PL/I Optimizing Compiler or the OS PL/I Checkout Compiler. These subroutines are used in error handling, program management, and input/output to provide storage dumps.

This publication is intended primarily for use by programmers concerned with maintenance of the transient library. It summarizes, under functional headings, the internal logic of the library subroutines and gives brief details of the relationships between them. Manual, 328 pages

## LY33-6010

DOS PL/1 OPTIMIZING COMPILER: PROGRAM LOGIC PROGRAM PRODUCT  
5736-PL1

The internal design of the DOS PL/1 Optimizing Compiler is described in this manual, which is written for use by programmers responsible for maintenance of the compiler. The manual is intended primarily as a guide to analysis of the program listings by people who are generally familiar with the compiler. However, overall and component descriptions are provided for use by readers who have no prior knowledge of the compiler design. Manual, 736 pages

## LY33-6011

DOS PL/1 RESIDENT LIBRARY: PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 5736-LM4

The DOS/PL1 Resident Library consists of standard subroutines that are link-edited with object programs generated by the DOS Optimizing Compiler. The library is used in program management, input/output, conversion, and interlanguage communication, and also includes many computational subroutines.

This publication is intended primarily for use by programmers concerned with the maintenance of the resident

library. It summarizes, under functional headings, the internal logic of the library subroutines, and gives brief details of the relationships between them. Manual, 8-1/2 x 11 inches, 310 pages

## LY33-6012

DOS PL/I TRANSIENT LIBRARY - PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 5736-LM5

The DOS PL/1 Transient Library consists of standard subroutines that are loaded during execution of programs compiled by the DOS PL/1 Optimizing Compiler. These subroutines are used in error handling, program management, and input/output, and to provide storage dumps.

This publication is intended primarily for use by programmers concerned with the maintenance of the transient library. It summarizes, under functional headings, the internal logic of the library subroutines, and gives brief details of the relationships between them. Manual, 8-1/2 x 11 inches, 152 pages

## LY33-6013

OS PL/I CHECKOUT COMPILER PROGRAM LOGIC MANUAL  
PROGRAM NUMBER 5734-PL2

This two-volume manual describes the internal logic of the OS PL/I Checkout compiler.

The checkout compiler consists of a translator program and an interpreter program. The translator converts PL/I source programs into instructions in an intermediate code. The interpreter achieves the effect of object-time execution of the coded instructions.

This volume contains a functional description of translation and the logic of the interpretation process. It does not describe the dynamic aspects of interpretation (which are discussed in OS PL/I Checkout Compiler: Execution Logic, Order No. SC33-0032), or the internal logic of the library subroutines (which are discussed in Volume 2 of this manual, Order No. LY33-6014).

It is primarily intended for use by programmers who are responsible for maintenance of the compiler, or who wish to understand program design. SRL Manual, 764 pages

## LY33-6014

SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER  
PROGRAM LOGIC, VOLUME 2 OF 2 - PROGRAM NUMBER 5734-PL2

This volume summarizes, under functional headings, the internal logic of the library subroutines, and gives brief details of the relationships between them.

The library is used in program management, input/output, conversion, and interlanguage communications, and also includes many computational subroutines. Manual, 380 pages

## GY33-7006

IBM SYSTEM/360 CONVERSION AIDS: ALGOL-TO-PL/I LANGUAGE  
CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATING SYSTEM,  
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360C-CV-711

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements. Program Logic Manual, 90 pages

## GY33-7007

IBM SYSTEM/360 CONVERSION AIDS: COBOL-TO-PL/I LANGUAGE  
CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATING SYSTEM,  
PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360C-CV-712

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications is limited to persons with maintenance and alteration requirements. Program Logic Manual, 144 pages

## SY33-7008

1401/1440/1460 DOS EMULATOR ON SYSTEM/370: LOGIC, PROG. NOS.  
370N-EU-490 (DOS), 5745-SC-EML (DOS/VS)

This publication describes the organization and logic of the program that emulates the 1401, 1440, and 1460 on the System/370 Models 135, 145, 155. Manual, 342 pages

## SY33-7009

PROGRAM TO EMULATE THE 1410 AND 7010 ON THE SYSTEM/370  
MODELS 145 AND 155 USING DOS/360 PROGRAM NUMBER 360N-EU-490  
PROGRAM LOGIC MANUAL

This publication describes the internal logic of the 1410/7010 Emulator Program for the System/370 Models 145 and 155, using the System/360 Disk Operating System. The emulator program is a problem program executed under control of the System/360 Disk Operating System. The emulator program and the appropriate compatibility feature (#4458 for

Model 145, #3950 for Model 155) execute 1410/7010 programs on these System/370 models.

Major topics in this publication are the logic of the emulator program, the functions of the compatibility features, and the logic of the tape formatting programs used with the emulator.

The publication is written to meet the needs of the IBM customer engineer who must maintain the program.  
Manual, 292 pages

## SY33-7010

MODEL 20 EMULATOR ON SYSTEM/370 USING DOS AND DOS/VS LOGIC - PROG. NOS. 370N-IC-002 AND 5745-SC-E20

Volume 1 of this manual describes the internal logic of the IBM System/360 Model 20 Emulator Program on the IBM System/370 Models 115, 125, and 135. The emulator is a problem program that operates under the control of DOS or DOS/VS. IBM Compatibility Feature #7520 must be installed on the System/370.

Volume 2 of this manual describes the internal logic of the data interchange program. The data interchange program converts files in Model 20 emulator format to files accessible by DOS/VS programs, and vice versa. It does not use the compatibility feature, and can therefore run on any System/370 model.

This publication is intended to be a reference manual for those responsible for emulator program maintenance. Assumed is familiarity with the System/360 Model 20 and DOS or DOS/VS.  
Manual

## SY33-7011

1401/1440/1460 OS EMULATOR ON SYSTEM/370 LOGIC - PROGRAM NUMBERS 5744-AH1 AND 360C-EU-735

This manual describes the internal logic of the IBM 1401/1440/1460 Emulator Program for the IBM System/370 Models 135/145/155/155-IL/158. The emulator programs runs as a problem program under the OS/MFT, OS/MVT, OS/VS1, and OS/VS2 control programs, and executes object programs written for the IBM 1401, 1440, and 1460 Data Processing Compatibility Feature #4457; the Model 145 with IBM compatibility Feature #4457 or #4458; the Model 155 with IBM Compatibility Feature #3950). Note that OS/MVT and OS/VS2 do not run on the Model 135. In addition, this manual describes the 1401/1440/1460 simulator, which enables programs to be executed on System/370 Models 135 through 168 under the control of OS/VS1 and OS/VS2, without the need for the compatibility feature (the functions of the compatibility feature are performed by simulator routines).

Described in this manual are the logic of the emulator program (including the simulator routines); the inter-relationships of the emulator program, the compatibility feature, and the operating system; and the logic of the tape and disk formatting programs used in conjunction with the emulator.

This manual is intended to be a reference manual for those responsible for emulator program maintenance. Assumed is familiarity with the IBM 1401/1440/1460 Data Processing Systems and with the appropriate OS control program.  
Manual, 260 pages

## GY33-7012

1410/7010 OS EMULATOR ON SYSTEM/370 LOGIC - PROGRAM NUMBERS 5744-AG1 AND 360C-EU-736

This manual describes the internal logic of the IBM 1410/7010 Emulator Program for the IBM System/370 Models 145/155. The emulator program runs as a problem program under the OS/MFT, OS/MVT, OS/VS1, and OS/VS2 control programs, and executes object programs written for the IBM 1410 and 7010 Data Processing Systems (the Model 145 must be equipped with IBM Compatibility Feature #4457 or #4458; the Model 155 with IBM Compatibility Feature #3950). Note that OS/VS1 and OS/VS2 are not yet available on the Model 155.

Described in this manual are the logic of the emulator program; the inter-relationships of the emulator program, the compatibility feature, and the operating system; and the logic of the tape and disk formatting programs used in conjunction with the emulator.

This manual is intended to be a reference manual for those responsible for emulator program maintenance. Assumed is familiarity with the IBM 1410/7010 Data Processing Systems and with the appropriate OS control program.  
Manual, 276 pages

## GY33-8000

OS ALGOL (F) COMPILER LOGIC - PROGRAM NUMBERS 360S-AL-531 360S-LH-532

This manual describes the internal logic of the ALGOL (F) Compiler. It is intended for the use of IBM field engineers, systems analysts and programmers.

The ALGOL (F) Compiler is a processing program of the IBM System/360 Operating System. It translates a source module written in the ALGOL language into an object module that can be processed into an executable load module by the Linkage Editor.

Manual, 315 pages

## GY33-8009

IBM SYSTEM/360 OPERATING SYSTEM, PL/I SYNTAX CHECKER, PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-PL-552

A Program Logic Manual describes the internal design or logic of the subject program. These manuals are intended

for persons involved in program maintenance and system programmers who are altering the program design. Program logic information is not necessary for the operation of the program; therefore, distribution of these publications should be limited to persons with maintenance and alteration requirements.

Program Logic Manual, 240 pages

## LY33-8027

IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE, PROGRAM LOGIC MANUAL - PROGRAM NO. 5734-SM1

This publication describes the internal logic of the IBM System/360 Operating System Sort/Merge Program. It describes the functions performed by specific areas of the program and is intended to be used by persons involved in program maintenance or by systems programmers who are altering the program design. It is not needed for normal use or for operation of the program. Included in this publication are flowcharts, storage layouts, a module directory, and diagnostic aids and messages.  
Licensed Program Logic Manual, 122 pages

## LY33-8038

DOS/VS SORT/MERGE LOGIC - PROGRAM NUMBER 5746-SM1

This manual aids Programming Systems representatives and system programmers involved in maintenance circumvent and/or fix faults in the DOS/VS Sort/Merge (5746-SM1). It describes the structure, logic and operation of the sort/merge by means of method-of-operation diagrams, module descriptions, data area descriptions, and various cross-reference tables.  
Manual, 135 pages

## LY33-8039

DOS SORT/MERGE PROGRAM LOGIC MANUAL PROGRAM NUMBER 5743-SM1

This manual is a guide to the internal organization and logic of program no. 5743-SM1, intended for customer engineers. Describes program capabilities and system environment, techniques used by the program, and specific program components (using flowcharts). Also includes such aids as:

- o Microfiche directory
- o Table Layouts
- o Register contents at entry to modules
- o Error-message module cross-reference tables
- o Control statement formats
- o Summary of program exits

The user should be familiar with the Disk Operating System service programs, assembler language, macro instructions, and sort/merge program specifications.  
Manual, 316 pages

## LY33-8042

OS/VS SORT/MERGE LOGIC - PROG. PROD. 5740-SM1

Describes the functions of the OS/VS Sort/Merge Program Product, including method of operation, program organization directories of program components, data areas, and techniques used by the program. Diagnostic aids include tables showing the origin of program messages, a description of the program's debugging aids and formatted dumps, and some simple bypasses.  
Manual, 226 pages

## GY33-8532

DOS VERSION 4 LOGICAL TRANSIENTS - PROGRAM NUMBER 370N-CL-453

This reference publication describes the internal logic of the IBM Disk Operating System, Logical Transient Programs. It is for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not needed for normal operation of these programs. This publication is a supplement to the program listing.

Effective use of this manual requires an understanding of IBM System/370 operation and of IBM Disk Operating System Version 4 control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the preface.  
Manual, 260 pages

## GY33-8533

INTRODUCTION TO DOS VERSION 4 LOGIC - PROGRAM NUMBER 370N-CL-453

This reference publication gives an overall view of the Disk Operating System (DOS), and it briefly describes the associated control and service programs.

It is intended for persons who are involved in program maintenance and for system programmers who are altering the program design. Program logic information is not needed for normal use or operation of the system control program.

This manual is designed to introduce and to cross-reference the six companion PLMs of the Disk Operating System. These associated PLMs are listed in the Preface of this manual.

For titles and abstracts of other associated publications, see the IBM System/360 and System/370 Bibliography, GA22-6822.  
Manual, 52 pages

GY33-8534

DOS VERSION 4 SUPERVISOR AND RELATED TRANSIENTS - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 370N-CL-453

This reference publication describes the internal logic of the IBM Disk Operating System, Supervisor and Physical and Recovery Transients Programs. It is for persons involved in program maintenance and for system programmers altering the program design. Program logic information is not needed for normal operation of these programs. This publication is a supplement to the program listing.

Effective use of this manual requires an understanding of IBM System/370 operation and of IBM Disk Operating System Version 4 control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the Preface of this manual. Manual, 472 pages

GY33-8537

DOS VERSION 4 SYSTEM SERVICE PROGRAMS - PROGRAM NUMBER 370N-CL-453

This reference publication describes the internal logic of supervisor-interrelated service programs of the IBM Disk Operating System.

This manual is intended for persons involved in program maintenance and for system programmers altering the program design. Program logic information is not needed for normal use or operation of the system control program. It is designed as a supplement to the program listing.

Its effective use requires an understanding of the IBM System/370 operation and of the IBM Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the preface of this manual. Manual, 208 pages

GY33-8538

DOS VERSION 4 LINKAGE EDITOR MANUAL - PROGRAM NUMBER 370N-CL-453

This publication describes the internal logic of the IBM Disk Operating System linkage editor program. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not needed for normal operation of the linkage editor program. It is a supplement to the program listing.

Effective use of this manual requires an understanding of IBM System/370 operation and of IBM Disk Operating System control and service programs, macro instructions, and operating procedures.

For titles and abstracts of other associates publications, see the IBM System/360 and System/370 Bibliography, GA22-6822. Manual, 96 pages

GY33-8539

SYSTEM/370 DOS VERSION 4 LIBRARIAN-PROGRAM LOGIC MANUAL - PROGRAM NUMBER 370N-CL-453

This reference publication describes the internal logic of the IBM Disk Operating System, Librarian Maintenance and Service Programs. Persons involved in program maintenance and system programmers should use this manual when altering the program design. Program logic information is not needed for normal operation of the librarian programs, but is to be used as a supplement to the program listing. Effective use of this manual requires an understanding of IBM System/370 operation and of IBM Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the Preface of this manual. Titles and abstracts of other related publications are listed in the IBM System/360 and System/370 Bibliography, GA22-6822. Manual, 316 pages

LY33-8540

IBM SYSTEM/360 DISK OPERATING SYSTEM ASCII MAGNETIC TAPE UTILITIES PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-UT2

This publication describes the internal logic of the IBM System/360 Disk Operating System (DOS) utility programs that can process American National Standard Code for Information Interchange (ASCII) magnetic tape files. The DOS utility programs that utilize direct access storage devices (DASD), but cannot process ASCII files, are described in IBM SYSTEM/360 DISK OPERATING SYSTEM UTILITIES, PROGRAM LOGIC MANUAL, Order No. Gy24-5023. The DOS utility programs not using DASD and unable to process ASCII files are similar to the Tape Operating System (TOS) utility programs. These are described in the IBM SYSTEM/360 TAPE OPERATING SYSTEM UTILITY PROGRAMS, PROGRAM LOGIC MANUAL, Order No. Gy24-5019. Program logic information is not necessary for the use and operation of the program. This manual, is therefore, intended primarily for use by persons involved in program maintenance and by system programmers who are altering the program design. Program Logic Manual, 216 pages

GY33-8542

DOS VERSION 4 IPL AND JOB CONTROL MANUAL - PROGRAM NUMBER 370N-CL-453

This reference publication describes the internal logic of the IBM Operating System, Initial Program Load (IPL) and Job Control Programs. It is intended for use by persons involved

in program maintenance and by system programmers who are altering the program design. Program logic information is not needed for normal operation of the IPL and Job Control Programs. It is designed to be used as a supplement to the program listing.

Effective use of this manual requires an understanding of IBM System/370 operation and of the IBM Disk Operating System control and service programs, macro instructions, and operating procedures. Reference publications for this information are listed in the Preface of this manual.

For titles and abstracts of other associated publications, see the IBM System/360 and System/370 Bibliography, GA22-6822. Manual, 268 pages

GY33-8543

DOS VERSION 4 LIOCS INTRODUCTION VOLUME 1 - PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 370N-CL-453, 370N-IO-454, 370N-IO-457, 370N-IO-477, 370N-IO-456, 370N-IO-478, 370N-IO-458, 370N-IO-455

This reference publication is one of four Program Logic Manuals that describe the internal logic of the Logical IOCS (Input-Output Control System) programs for the IBM Disk Operating System. The four related Program Logic Manuals are:

- Volume 1: Introduction, GY33-8543.
- Volume 2: SAM for Unit Record, Magnetic Tape, and Device Independent Files, GY33-8544.
- Volume 3: SAM and DAM for DASD, GY33-8545.
- Volume 4: ISAM, GY33-8546.

This manual is intended for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not necessary for the operation of the programs described.

Effective use of this publication requires an understanding of IBM System/370 operation and the Disk Operating System Assembler language and its associated macro definition language. R definition language. Reference publications for this information are listed in the Preface.

For a list of associated publications and their abstracts, see IBM System/360 and System/370 Bibliography, GA22-6822. Manual, 360 pages

GY33-8544

DOS VERSION 4 LIOCS VOLUME 2 - PROGRAM NUMBERS 370N-CL-453, 370N-IO-477, 370N-IO-456, 370N-IO-478, 370N-IO-458

This reference publication is one of four Program Logic Manuals that describe the internal logic of the Logical IOCS (Input/Output Control System) programs for the IBM Disk Operating System. The four related Program Logic Manuals are:

- Volume 1: Introduction, GY33-8543.
- Volume 2: SAM for Unit Record, Magnetic Tape, Device Independent Files, GY33-8544.
- Volume 3: SAM and DAM for DASD, GY33-8545.
- Volume 4: ISAM, GY33-8546.

This manual is intended for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not necessary for the operation of the Programs described. Therefore, distribution is limited to those with maintenance and alteration responsibilities.

Effective use of this publication requires an understanding of IBM System/370 operation and the Disk Operating System Assembler language and its associate macro definition language. Reference publication for this information are listed in the preface.

For the titles and abstracts of other related publications, refer to the IBM System/360 and System/370 Bibliography, GA22-6822. Manual, 380 pages

GY33-8545

DOS VERSION 4 LIOCS VOLUME 3-SAM AND DAM FOR DASD-PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 370N-IO-455, 370N-IO-454

This reference publication is one of four Program Logic Manuals that describe the internal logic of the Logical IOCS (Input/Output Control System) programs for the IBM Disk Operating System. The four related Program Logic Manuals are:

- Volume 1: Introduction, GY33-8543.
- Volume 2: SAM for Unit Record, Magnetic Tape, and Device Independent Files, GY33-8544.
- Volume 3: SAM and DAM for DASD, GY33-8545.
- Volume 4: ISAM, GY33-8546.

This manual is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the operation of the programs described.

Effective use of this publication requires an understanding of IBM System/370 operation and the Disk Operating System Assembler language and its associated macro definition language. Reference publications for this information are listed in the Preface.

For the titles and abstracts of other related publications, refer to the IBM System/360 and System/370 Bibliography, GA22-6822.



Program Logic Manual, 420 pages

GY33-8546

DOS VERSION 4 LIOCS VOLUME 4 - ISAM - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 370N-IO-457

This reference publication is one of four Program Logic Manuals that describe the internal logic of the Logical IOCS programs for the IBM Disk Operating System. The four related Program Logic Manuals are:

- Volume 1: Introduction, GY33-8543.
- Volume 2: SAM for Unit Record, Magnetic Tape, Device Independent Files, GY33-8544.
- Volume 3: SAM and DAM for DASD, GY33-8545.
- Volume 4: ISAM, GY33-8546.

This manual is intended for use by persons involved in program maintenance and by system programmers who are altering the program design.

Program logic information is not necessary for the operation of the programs described.

Effective use of this publication requires an understanding of system operation, assembler language, and its associated macros.

Reference publications for this information are listed in the Preface.

For the titles and abstracts of other related publications, refer to the IBM System/360 and System/370 Bibliography, GA22-6822.

Program Logic Manual, 400 pages

GY33-8547

DOS VERSION 4 SYSTEM UTILITIES - PROGRAM NUMBER 370N-UT-491

This publication describes the internal logic of the IBM DOS System Version 4 Utility programs. It is intended for use by persons involved in program maintenance and by system programmers who are altering the program design. Program logic information is not necessary for the operation of the program.

Manual, 170 pages

GY33-9010

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET LANGUAGE, PROGRAM LOGIC MANUAL, VOLUME 1 OF 3

PROGRAM NUMBERS: 360N-PL-464 (DOS), 360M-PL-410 (TOS)  
This publication provides information on the internal logic of the IBM System/360 DOS/TOS PL/I compiler. It is intended for use by persons involved in programming maintenance and by system programmers who wish to alter the program design. The information contained herein is not required for the use of, and the operation with, the PL/I compiler.

The publication is divided into three volumes. Volume 1 contains the description of the compiler phases; volumes 2 and 3 contain the corresponding flowcharts. The form numbers of the three volumes are:

- Volume 1: GY33-9010
- Volume 2: GY33-9011
- Volume 3: GY33-9012

All information regarding the library subroutines of the DOS/TOS PL/I compiler is contained in the publication IBM SYSTEM/360, DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET-LIBRARY ROUTINES, PROGRAM LOGIC MANUAL, Form GY33-9013.

Program Logic Manual, 452 pages

GY33-9011

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET LANGUAGE, PROGRAM LOGIC MANUAL, VOLUME 2 OF 3, PROG. NOS. 360N-PL-464 (DOS), 360M-PL-410 (TOS)

This publication provides information on the internal logic of the IBM System/360 DOS/TOS PL/I compiler. It is intended for use by persons involved in programming maintenance and by system programmers who wish to alter the program design. The information contained herein is not required for the use of, and the operation with, the PL/I compiler.

The publication is divided into three volumes. Volume 1 contains the description of the compiler phases; volumes 2 and 3 contain the corresponding flowcharts. The form numbers of the three volumes are:

- Volume 1: GY33-9010
- Volume 2: GY33-9011
- Volume 3: GY33-9012

All information regarding the library subroutines of the DOS/TOS PL/I compiler is contained in the publication IBM SYSTEM/360, DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET-LIBRARY ROUTINES, PROGRAM LOGIC MANUAL, Form GY33-9013.

Program Logic Manual, 672 pages

GY33-9012

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET LANGUAGE, VOLUME 3 OF 3 PROGRAM LOGIC MANUAL

PROGRAM NUMBERS: 360N-PL-464 (DOS), 360M-PL-410 (TOS)  
This publication provides information on the internal logic of the IBM System/360 DOS/TOS PL/I compiler. It is intended for use by system programmers who wish to alter the program design. The information contained herein is not required for the use of, and the operation with, the PL/I compiler.

The publication is divided into three volumes. Volume 1 contains the description of the compiler phases; volumes 2 and 3 contain the corresponding flowcharts. The form numbers of the three volumes are:

- Volume 1: GY33-9010
- Volume 2: GY33-9011

Volume 3: GY33-9012

All information regarding the library subroutines of the DOS/TOS PL/I compiler is contained in the publication IBM SYSTEM/360, DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET-LIBRARY ROUTINES, PROGRAM LOGIC MANUAL, Form GY33-9013.

Program Logic Manual, 560 pages

GY33-9013

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS PL/I SUBSET LIBRARY ROUTINES - PROGRAM LOGIC MANUAL

PROGRAM NUMBERS 360N-PL-464 (DOS), 360M-PL-410 (TOS)  
This publication describes the internal logic of the PL/I Subset library routines. This publication is intended for use by persons involved in program maintenance and by system programmers who are altering the program design.

This publication contains information on (1) the characteristics of the library and the calling conventions used and (2) the structure and functions of the various routines.

The reader of this publication should be familiar with the SRL publications

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET REFERENCE MANUAL, Form GC28-8202, and

IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, ASSEMBLER LANGUAGE, Form GC24-3414.

For a list of further related publications, refer to IBM SYSTEM/360 BIBLIOGRAPHY, Form GA22-6822.

Program Logic Manual, 219 pages

S2C0-0021

DOS/VS EARLY WARNING MICROFICHE

Early Warning information consists of the most current available service information, which has been extracted from the RETAIN system and reproduced on microfiche.

Microfiche

S2C0-0031

EARLY WARNING MICROFICHE - OS/VIRTUAL SYSTEM

Early Warning information consists of the most current available service information, which has been extracted from the RETAIN system and reproduced on microfiche.

Microfiche

S2C0-0051

MICROFICHE - EARLY WARNING 2025 AND LARGER FILE CARD

Early Warning information consists of the most current service information available which has been extracted from the RETAIN System and reproduced on microfiche.

Microfiche

S2C0-0101

MICROFICHE - EARLY WARNING OPERATING SYSTEM OS FILE CARD

Early Warning information consists of the most current service information available which has been extracted from the RETAIN System and reproduced on microfiche.

Microfiche

S2C0-0201

MICROFICHE - EARLY WARNING PROGRAMMING SYSTEM OTHER THAN OS FILE

Early Warning information consists of the most current service information available which has been extracted from the RETAIN System and reproduced on microfiche.

Microfiche

S2C0-0301

MICROFICHE EARLY WARNING - PROGRAM PRODUCTS, CSP AND SCP

Early Warning information consists of the most current available service information, which has been extracted from the RETAIN system and reproduced on microfiche.

Microfiche

S2C0-3450

GENERAL PROGRAMMING INFORMATION - PROGRAM STATUS DOCUMENT

The Program Status Document is a microfiche version of the Memorandum To Users for a programming system. It contains information for a customer engineer to determine the status of a programming system at a particular release level.

Microfiche

S229-3169

SYSTEM/360 OPERATING SYSTEM HANDBOOK

This is information on a system that the customer engineer requires at the system console to isolate a malfunction to a specific unit or function. The Handbook contains: general system reference data, including instruction formats; operation codes; code translation charts; interface information; error indication data; reference to diagnostic programs; etc.

Handbook, 380 pages

G310-0012

IBM WORLD TRADE MARKETING PUBLICATIONS KWIC INDEX  
This KWIC (key-word-in-context) Index lists publications generally available for distribution or sale to users of IBM data processing products and services. It is the World Trade edition of the IBM Marketing Publications KWIC Index. Manual, 168 pages

G320-0956

ATS/360 TERMINAL OPERATOR'S QUICK REFERENCE GUIDE PROGRAM NUMBERS 360A-CX-18X, 360A-CX-19X  
This guide is intended to facilitate rapid instruction of the computer center operator using System/360 ATS/DOS. It is essentially based on information appearing in the ATS/DOS Computer Center Operator's manual (GH20-0511).  
This reference guide will be updated from time to time to reflect system changes and improvements; however, the reader should remember that the basic program documentation (which includes GH20-0511) is the authoritative source of program information and will first reflect such changes. Reference Guide, 72 pages

G320-0958

ATS/360 - DOS COMPUTER OPERATOR'S QUICK REFERENCE GUIDE PROGRAM NUMBER 360A-CX-18X  
This guide is intended to facilitate rapid instruction of the terminal operator using System/360 ATS. It is essentially based on information appearing in the ATS Terminal Operator's manual (GH20-0509).  
This reference guide will be updated from time to time to reflect system changes and improvements; however, the reader should remember that the basic program documentation (which includes GH20-0509) is the authoritative source of program information and will first reflect such changes. Reference Guide, 39 pages

G320-1002

ATS/360 - OS COMPUTER OPERATOR'S QUICK REFERENCE GUIDE PROGRAM NUMBER 360A-CX-19X  
This guide is intended to provide the computer center operator using System/360 ATS/OS with a quick reference to operational commands. It is not an instruction manual. The table of contents is organized by sequence of operations. An index is provided at the back of the guide. Manual, 36 pages, 6 x 9

G320-1028

SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) DIAGNOSTIC MESSAGES PROGRAM NUMBER 360A-UH-11X APPLICATION PROGRAM MANUAL  
This manual contains a list of the diagnostic messages for the Shared Hospital Accounting System application program. Manual, 6 x 9 inch, 20 pages

G320-1030

SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) TERMINAL OPERATORS REFERENCE GUIDE - PROGRAM NUMBER 360A-UH-11X  
This manual serves as a quick reference for terminal operators using SHAS. Manual, 8 1/2 x 11 inch, 15 pages

G320-1238

S/360 - S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5796-AAT  
MUSIC is a time-sharing system that offers a wide variety of facilities in a cost effective environment. It offers many languages and features normally found in larger systems. By combining the full functions of multiple languages and interactive capabilities with demonstratable dependability, MUSIC has proved to be a multipurpose high-performance system suitable for many types of operations, particularly in the Educational Area. For instance, it is currently being used by large city-wide school and university installations in addition to commercial and governmental organizations.  
This manual provides the necessary information to market the time-sharing system. It includes configuration support and descriptions of the functions provided. Manual, 20 pages

G320-1244

CUSTOMER EDUCATION COURSE CATALOG  
This three-section catalog has been prepared to provide users of IBM data processing equipment with information on the various courses, curriculums, and education materials available to them through IBM Customer Education.  
A. GENERAL INFORMATION: This covers basic enrollment information, terms and conditions of education programs and agreements, location of various education centers and availability of special purpose programs such as  
o Time payments  
o On-site courses  
o Tailored courses (RPQ Request Price Quotation)  
o Computerized education configurators  
o Education Consulting Services  
B. EDUCATION PLANNING GUIDES: Since it is advantageous to develop an overall education plan that is in line with application implementation or personnel requirements,

these flow chart aids have been developed to help the user match the curriculum with his requirements. In this fashion, the user should be able to project his education schedule with the related tuition for budgetary purposes.

- C. DETAILED COURSE DESCRIPTIONS: This section contains the courses offered to users of IBM data processing equipment. The descriptions cover the intended audience, as well as other relevant information. The descriptions have been written to give the reader as much detail as possible to help him select the proper course(s) from the broad spectrum offered.

As can be seen in the Table of Contents, the courses are cross-indexed in three sequences, alphabetic, course code and curriculum.

This catalog obsoletes the following publications in the "IBM Education ... a course of action" series, also known as Course Selection Guide modules.

G520-2327	Systems Science Education
G520-2329	The Operating System
G520-2330	DOS/TOS
G520-2334	1130-1800-System/7
G520-2335	S/360 Model 20 and Unit Record
G520-2336	Industry Applications
G520-2469	Operating System Curriculum Planning Catalog, 650 pages

G320-1269

SYSTEM/370 PROGRAM PRODUCTS CROSS INDUSTRY APPLICATION OS DOS VM/370-CMS  
This catalog is a quick reference to the cross Industry Program Products and Installed User Programs for IBM System/370 and System/360 running OS (VS1, VS2, MFT, and MVT), DOS and DOS/VS, and CMS Subsystem of VM/370.  
The Application Areas supported by these programs are: Business management, Mathematical and Statistical libraries, Optimization - Mathematical programming, Project Management and Scheduling, Simulation, Manpower training, and Information management. Catalog, 30 pages

G320-1405

LOADFLOW PLOTTING SYSTEM VARIBUS CORPORATION ANNOUNCEMENT NOTICE - PROGRAM NUMBER 5796-AAF  
The Baribus Corporation installed user program called loadflow plotting system, an electric utility program for interconnection of the major northeastern power systems. It operates on S/360 or S/370 under OS. Flyer, 4 pages

G320-1408

S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING MUSIC RELEASE II INSTALLED USER PROGRAM RELEASE NOTICE PROGRAM NUMBER 5796-AAT  
A new release of the MUSIC Timesharing System is now available. It contains significant new system support for S/370 Models 125, 158, 165 and 168, including 3330/3333 Model II, 3704/3705, enhancements to BASIC and APL workspace support. In addition, its interface to VM/370 has been improved to provide more efficient operation when running in a virtual machine under VM/370 control. Programming services have been extended until December 31, 1974. MUSIC offers a high performance and high function timesharing facility previously unavailable to the low entry System/370 user. Notice, 6 pages

G320-1409

CONSOLIDATED FUNCTIONS EQUITY PRODUCTS (CFEP) VARIABLE ANNUITIES, MUTUAL FUNDS - DATAMANN INC., ANNOUNCEMENT NOTICE INSTALLED USER - PROGRAM NUMBER 5796-AAF  
This IUP is an information systems approach to the issuing, maintenance, processing and servicing of variable and fixed accumulation account annuities and mutual funds. On line capability is included for visual display terminals under both OS and DOS CICS. Optional card entry system available under both OS and DOS. The program was developed by Datamann, Inc. a subsidiary of Horace Mann Educators to process annuities at Horace Mann Life Insurance Company and the Horace Mann Mutual Fund. Announcement notice, 4 pages

G320-1415

S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS) ANNOUNCEMENT NOTICE - IUP NUMBER 5796-ABF  
YARDS is an alumni fund raising system with solicitation and donation history files. It has a command language of non data processing people to manipulate the files for solicitation purposes. It can be used by a wide range of fund raising organizations. Notice, 4 pages

G320-1418

ON-LINE ORDER SYSTEM - JAMES ALLAN AND SONS - ANNOUNCEMENT NOTICE - IUP NUMBER 5796-ABK  
This flyer describes the on-line order system which has enabled James Allan and Sons to take full advantage of the capabilities provided by disk storage and visual terminals

using an advanced on-line order control system.

James Allan processes approximately 500 meat orders per day that average eight line items per order. In the data base is a customer file of approximately 2,000 customers and a product line of nearly 900 products.  
Announcement Notice, 2 pages

G320-1420

DEMAND DEPOSIT ACCOUNTING SYSTEM WITH OVERDRAFT BANKING THE PLANTER NATIONAL BANK AND TRUST COMPANY, ROCKY MOUNT, NORTH CAROLINA ANNOUNCEMENT NOTICE - PROGRAM NUMBER 5796-ABL  
This IUP provides an automated solution to all the requirements normally associated with the demand deposit accounting application. Overdraft banking is an integral part of the system. This feature allows a revolving line of credit for the customer and is one of the more profitable services offered by a commercial bank. Record format consists of a fixed length master segment with a number of variable length optional segments. A wide variety of programs supplement daily processing to provide a comprehensive set of more than fifty reports within the total system.  
Fanfold 3 hole punched flyer, 4 pages

G320-1439

S/370 FILM LIBRARY MANAGEMENT SYSTEM (FLMS) RELEASE NOTICE PROGRAM NUMBER 5796-ACW  
Film Library Management System (FLMS) provides a comprehensive on-line management system for film libraries in colleges and universities, school systems, government agencies, and media companies. FLMS features on-line booking, file update, and inquiry via the IBM 3270 Display System operating under CICS, allowing operational and management control to be retained by the film library staff.  
Customer and film inventory records are maintained in the process of booking and distribution of films in a cost effective environment. Usage and request histories are kept and periodic analyses are produced to assist management in planning and control. All necessary printed output including confirmation notices, shipping labels, and invoices are automatically produced. The source programs are written in PL/I which along with CICS facilities conversion to DOS if desired.  
Flyer, 10 pages

G320-1440

RESPONSIBILITY ACCOUNTING SYSTEM ANNOUNCEMENT NOTICE - IUP NUMBER 5796-ACA  
The Responsibility Accounting System was developed to provide general ledger, cost accounting and budget performance monitoring in a commercial bank environment. Four major data bases: general ledger, responsibility center, cost center, and vendor are processed by programs written with ANS COBOL. The system provides accounting and maintenance functions along with cost versus plan performance monitoring of five management levels within the corporation (cost center within department, within department group, within division, and within corporation).  
Flyer, 4 page fan-fold

G320-1441

STUDENT RESPONSE ANALYSIS PROCESSORS (STRAP) FOR S/370 THE OHIO STATE UNIVERSITY - IUP NUMBER 5796-ACX  
STRAP provides the user of Coursewriter III Program Products, information about the response time and reactions to courses in development and in use. It is useful in student counseling, general education program analysis in work and research. It assists the instructor in evaluating the instructional procedures and provides comprehensive student data. It increases the participation of the instructor with the student in computer aided instruction.  
Notice, 4 pages

G320-1516

AN APL TEXT EDITOR AND COMPOSER 5796-PAC IS READY FOR SHIPMENT - AVAILABILITY NOTICE - PROGRAM NUMBER - 5796-PAC  
This program is designed to process text interactively at a terminal. It is written in APL to run with the APL program products.  
Functions are included for entering, revising, composing, printing, and storing text. Any type element can be used on the terminal for a wide choice of type styles including upper and lower case.  
This package is for use by secretaries, scientists, engineers, administrators or any others who produce papers, letters, reports or specifications.  
Notice, 4 pages

G320-1517

APL/PDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM (PDTS): IUP AVAILABILITY NOTICE PROGRAM NUMBER 5796-PAD  
This brochure highlights the facilities of APL/PDTS Installed User Program which is designed to assist managers and planners in monitoring performance against plan on programming development projects. The program provides best and worst case project completion dates based upon user resource constraints in graphical, tabular or bar chart form.  
Installed User Program Availability Notice, 4 pages

G320-1518

FLIGHT DATA DISPLAY SYSTEM - IUP AVAILABILITY NOTICE PROGRAM NUMBER 5796-PAE  
This system is an additional capability of the IBM Programmed Airlines Reservation System (PARS). Operating in the PARS environment under the Airlines Control Program (ACP), it will enable an airline to store information pertaining to flights arriving and departing from specific airports, format this information for public display media and display this information on any PARS terminal.  
Notice, 4 pages

G320-1519

FLIGHT DATA DISPLAY SYSTEM, GENERAL INFORMATION MANUAL PROGRAM NUMBER 5796-PAE  
This manual describes the features of the Flight Data Display System. This system provides both a control of flight information, and the communication of that information to video monitors of the type found at airports. It also provides flight information at agent terminals on request.  
Manual, 20 pages

G320-1520

SCRIPT/370 (5796-PAP) IS READY FOR SHIPMENT AVAILABILITY NOTICE  
SCRIPT/370 provides text-processing capabilities to users of the IBM Virtual Machine Facility/370, VM/370. It executes as a command of the Conversational Monitor System, the time-shared component of VM/370.  
The SCRIPT command creates formatted output from one or more CMS files, each of which contains text and/or Script control words. The Script files are created and modified at a terminal using the CMS editor.  
SCRIPT/370 manuscript facilities include right margin justification, line centering, extensive top and bottom title, capabilities, and the ability to invoke additional Script input files from the file being processed. Other facilities to assist in the preparation of large documents include symbolic capabilities, which can automatically generate a table of contents and specification of up to 9 levels of revision codes to print at the left margin of the formatted output. SCRIPT/370 is a superset of the manuscript facility called SCRIPT which is a component of the IBM Type III program CP-67/CMS. It is used extensively for document preparation by the Publications Department of the VM/370 Development Group.  
Flyer, 4 pages

G320-1521

DATA DICTIONARY/DIRECTORY WITH CMIS DATA ELEMENT GLOSSARY (5796-PAG) IUP AVAILABILITY NOTICE - PROGRAM NUMBER 5796-PAG  
This system is designed to help the user establish a controlled environment for computer-processable data. It accommodates both narrative and technical descriptions of data, along with other information for maintaining data integrity and identifying responsibility, data relationships, data structures, and application usage.  
Also included is a glossary of over 4,000 manufacturing data element definitions. The glossary can be manipulated by the Data Dictionary/Directory to add, delete, or make changes to data elements.  
Notice, 6 pages

G320-1522

MULTICOLUMN DISTILLATION PROGRAM - AVAILABILITY NOTICE IUP - 5796-PAH  
The availability notice is a marketing oriented document that describes the purpose and capabilities of the program, advantages of design, and problems solved by the program referenced in the title.  
Flyer, 2 pages

G320-1523

DBPROTOTYPE (5796-PBB), IMSMAP (5796-PBC), PLIMS (5796-PBF), BTS (5796-PBD), TEST IMS UTILITIES (5796-PBE) ARE NOW READY FOR SHIPMENT AVAILABILITY NOTICE  
Five IMS Version 2.3 Productivity Aids - DBPROTOTYPE for Data Base Design, IMSMAP for Data Base Structure Mapping and Documentation, PLIMS for IMS application programming, BTS and TEST IMS UTILITIES for IMS application testing, now available for shipment from PID are described. These five IUP's have been developed and used by IBM internal installations to support the design, development, testing, and documentation of IMS data bases and application programs.  
Notice

G320-1524

CYCLE-TIME SIMULATOR SYSTEM AVAILABILITY NOTICE - IUP NUMBER 5796-PBG  
The Cycle-Time Simulator System is a generalized "simulation model" for a multiproduct manufacturing line with interdependent production equipment. On the basis of various product demands, the system simulates resources such as manpower and equipment and generates product cycle time. It takes into consideration equipment reliability, man-machine interactions, rework, and process-related constraints. The system can also be used to plan resource requirements to fulfill required product cycle time. The Cycle-Time Simulator System is a management support analysis

tool that can be employed in determining the impact of changes such as adding a new product, equipment/tool reliabilities, job enlargement, manpower changes, and alternate manufacturing plans.  
Notice, 8 pages

G320-1525

IBM WAREHOUSE SIMULATOR AVAILABILITY NOTICE IUP 5796-PBK 5796-PBK

The IBM Warehouse Simulator is a powerful material handling systems design tool that enables industrial engineers to thoroughly investigate numerous storage and retrieval configurations during the design of a stacker crain warehouse. As a result, the program significantly enhances the design process which strives to minimize warehouse cost while meeting storage and service objectives.

The program uses both analytical and simulation techniques to test all possible warehouse configurations for a given set of operating conditions and determines the least cost solution. As a result, it allows industrial engineers to quickly evaluate many configurations for various specifications.

The program is written in Operating System/360 FORTRAN IV, operates in batch mode on a System/360 or System/370 and can be implemented with minimal time and expense. This IBM internally developed program is installed in the Systems Products Division, Endicott, New York.  
Flyer, 4 pages

G320-1526

IBM MULTIPLANT SOURCING ANNOUNCEMENT NOTICE - IUP NUMBER 5796-PBL

IBM Multiplant Sourcing is a powerful tool for reducing product cost in large manufacturing companies. It facilitates maximum use of the production skills and resources of individual plants and suppliers by providing the information necessary for effective joint sourcing decisions.

The programs that IBM Multiplant Sourcing comprises are being used successfully today by IBM to make sourcing decisions for subproducts, manufactured throughout the world. Mutual requirements for identical products by multiple plants and the resources and capabilities of plants and their suppliers are considered in each sourcing decision. As a result, unnecessary expenditures of manpower and dollars in individual plants have been dramatically reduced.

While the program was developed by IBM for use internally, it is applicable to the general multiplant sourcing problem and offers similar savings in other companies.  
Notice, 4 pages

G320-1529

3270 FORMATTING FEATURE FOR BATCH TERMINAL SIMULATOR IUP 5796-PBD - NOTICE

This notice is intended to inform the potential user about the program and that it has been released. The 3270 Formatting Feature is an expansion of the Batch Terminal Simulator IUP (5796-PBD); which is described in Availability Notice G320-1523. BTS allows IMS batch, batch message and message processing programs to be tested without having teleprocessing hardware installed. The addition of the 3270 Formatting Feature provides the ability to test applications using the IMS Message Formatting Service (MFS) without the use of 3270 hardware. This means that development of new online applications, or conversion of batch programs for online use, can proceed while still in the batch only test/development mode.  
Flyer, 7 pages

G320-1530

TEST DATA GENERATOR FOR SYSTEM/370 - IUP 5796-PBP - NOTICE

This notice is designed to inform potential users about the program and that it has been released.  
Test Data Generator constructs data used in testing an application program. The user describes the characteristics of the data and supplies the "seed" for a random number generator; the program constructs test files containing randomly generated data and optionally gives the user a data for testing the logic of application programs should provide savings by not having to prepare test data manually, thus reducing programming time and eliminating the heavy volume of keypunching normally required to establish test files. It should also provide less biased data for the actual test. Frequently, it can eliminate or postpone the writing and testing of data file load programs.  
Release Notice, 16 pages

G320-1532

DATA COMMUNICATIONS ANALYZER IUP 5796-PCA, NOTICE

The Data Communication Analyzer (DCANALYZER) program is designed to assist the user in evaluating design alternatives for IMS data base/data communication systems. It produces relative data on service times and throughput of transactions processed on iterative runs of DCANALYZER under varying design combinations. The user can analyze and compare this data to select the design best suited to his needs.

This notice is intended to inform potential users about the program and that it has been released.  
Release Notice

G320-1533

TERMTEXT/FORMAT - IUP 5796-PBR NOTICE

TERMTEXT/Format was designed for the in-house publisher of books, catalogs, directories, and technical manuals. Coupled with the power and versatility of the Advanced Text Management System (ATMS), it provides the total facilities of text entry and correction through typewriter like and display terminals, and comprehensive page makeup. TERMTEXT/Format accepts text from ATMS and automatically puts it in the format requested by the user. Pre-defined formats, called "profiles", can be established once and then used as required.  
Flyer

G320-1534

LIBRARY ACCESS SYSTEM - CIRCULATION CONTROL

The Library Access System - Circulation Control program which provides on-line library control of charge-in, discharge, reserve, and cancellation activities. Inquiry may be made into the circulation status of documents and the library activity and circulation privileges of patrons.  
Announcement Notice

G320-1621

IBM MARKETING PUBLICATIONS KWIC INDEX

This reference document contains general information about publications in the Systems Library. It contains three sections as follows:

- 1) alphabetic KWIC index by titles
- 2) index by machine type number
- 3) price list in form number sequence (omitting the first character of the order number)

Reference Index, 192 pages

G320-1973

CP-67/CMS VERSION 3.1: OPERATOR'S REFERENCE GUIDE (SUMMARY), PROG. NO. 360D-05.2.005

This pocket reference guide lists commands, requests and control information. It is condensed for guide operator reference. Illustrations and overview drawings are included.

Operator's Reference Guide, 64 pages

G320-8062

DISTRIBUTION ORDER ENTRY SYSTEM - S/370 AND 3270'S, 2319/3330/3340 SUPPORT, LAG DRUG CO.: IUP 5796-ABT NOTICE

No abstract available.  
Notice, 6 pages

G320-8063

ADVANCED STATISTICAL ANALYSIS PROGRAM ASTAP ANNOUNCEMENT NOTICE - IUP NUMBER 5796-PBH

This IUP provides engineers with a powerful tool for use in the design and reliability analysis of linear and nonlinear electrical networks. Although the Advanced Statistical Analysis Program (ASTAP) is oriented primarily toward analysis of electronic circuits, it can also be used to simulate any physical system that can be represented by a network model.

The program can be used to perform DC and AC steady-state as well as transient analysis. In addition, a Monte Carlo statistical simulation can be performed in conjunction with DC, AC, or transient analysis to predict the effect of component variations on network performance. A common user-oriented input language is provided for describing the network to be analyzed in any of the above modes.  
Notice, 4 pages

G320-8065

THE TWIN FAIR MERCHANDISE PROCESSING SYSTEM FOR SYSTEM/370 CICS AND 3270'S AT TWIN FAIR DISTRIBUTORS CORP.: IUP 5796-ADB NOTICE

No abstract available.  
Announcement Notice, 4 pages

G320-8067

GENERALIZED CREATE/REORGANIZE UTILITY SYSTEM FOR S/370 EASTMAN KODAK - RELEASE NOTICE - IUP NUMBER 5796-ACZ

The S/370 Generalized Create/Reorganize Utility System provides the Chained File Management System (CFMS) user the capability of decreasing file reorganization time by as much as ten to one. The system provides a highly efficient generalized set of utilities for creation and maintenance of CFMS files (both BDAM and ISAM). Major functions include high speed dump and restore of both BDAM and ISAM files, reorganization of individual chained files, expansion of master file space between reorganizations, and enhanced record addition capabilities for ISAM files. Any CFMS user currently expending 10 or more hours per month on reorganizations should achieve enough savings in the first 6 months of operation to justify the paid up license of this IUP.  
Notice, 4 pages

G320-8071

FREIGHT BILL AUDIT AND RATING SYSTEM IUP 5796-AEJ, RELEASE NOTICE

The Freight Bill Audit & Rating System, as installed at the Goodyear Tire and Rubber Company, is a unique traffic system

that permits computer generated computation of the lowest charge for most truck and rail shipments of one or more (straight or mixed) commodities from any origin to any destination for which the data base has been created. The system also features computer audit (reconciliation) of most carrier freight bills prior to payment. Programs are provided which may be used to create and maintain an extensive data base of the shipper's traffic pattern.  
Release Notice

G320-8074

SYSTEM/370 MICR OS TRANSIT SYSTEM, INDIANA NATIONAL BANK:  
IUP 5796-ADG NOTICE

The Indiana National Bank, with over \$1.7 billion in assets and over 40 branches in the city and county, is one of the largest commercial banks in Indiana.

The MICR OS Transit System was developed as an effective method of solving many of the bank's critical check processing problems. By installing the system, the bank states that it was able to increase throughput and realize a significant improvement in availability of funds.  
Notice, 4 pages

G320-8088

S/370 CICS ON-LINE TEST/DEBUG CON EDISON - IUP 5796-AEF  
NOTICE

CICS On-Line Test/Debug provides the programmer with the facilities to test and debug application programs or user files while CICS is operating by entering command statements via a 3270 Information Display System. The features include the ability to display and location in main memory of the machine, alter any location within the CICS job step boundaries, stop the execution of a specific CICS task at a specific address within an application program, display and alter storage records on any data set available to the CICS job step, immediately update changes made to storage records on file, and open or close files on-line. In effect, this program provides a programmer with access to a 3270 the ability to "console debug" programs without interrupting the normal operation of your installation.  
Flyer, 4 pages

G320-8089

S/370 CICS/COBOL CALL INTERFACE NATIONAL BANK OF DETROIT  
IUP 5796-AEG NOTICE

Current users of the Customer Information Control System (CICS) who are writing application programs in ANS COBOL usually write Assembler Language macros in their application programs. This procedure requires the use of the CICS Preprocessor Program and two compilations of the program, one for the Assembler Language macros and one for the COBOL.

This program provides a COBOL/CICS interface technique which eliminates the use of the CICS Preprocessor Program and makes the writing and debugging of ANS COBOL/CICS application programs considerably easier. The system consists of 12 modules, one for each of the CICS management functions, and a Resident Interface Module. When the COBOL application programmer requires a CICS service, rather than write an Assembler Language macro, he simply codes a predefined COBOL CALL statement passing a list of parameters depending upon the service requested. The tested CICS macro is then issued in the subsequently called CICS Service Handler and control is returned to the requesting COBOL program upon completion of the CICS service.  
Flyer

G320-8094

COMPUTER GENERATES CORRESPONDENCE - IUP 5796-AER,  
RELEASE NOTICE

This notice is intended to alert potential users to the fact that this program has been released.

The Computer Generated Correspondence System as installed at Fidelity Union Life Insurance Company, Dallas, Texas allows letters to be requested in two ways: on demand through an IBM 3270 visual display terminal or automatically from CFO daily cycle, agency and payroll systems. Pre-composed letters are stored on a DASD. Existing data bases are accessed to provide information such as policy number, name, address, etc., while variable data is entered when the letter is requested. The on-line and batch letter requests are combined, sorted by letter type and printed. During the print run, the pre-composed letter is extracted from the letter file and the variable information is inserted at its proper place. Usage statistics are maintained by letter type. To optimize DASD utilization and to avoid data duplication, all words in the pre-composed letter file are maintained as codes which point to word dictionaries. The facility exists to generate multiple copies of the same letter and also to prepare envelopes.  
Release Notice

G320-8097

DISTRIBUTION ORDER ENTRY SYSTEM FOR SYSTEM 360/370 with  
3270's 3340 SUPPORT - IUP 5796-ABT, NOTICE

The Lag Drug visual display technique can provide needed information quickly to order takers. Companies that take orders over the telephone require immediate information concerning their customers, warehouse inventory current prices, discounts, free goods, special deals or promotions. Utilizing a flexible, combination approach of alpha dictionary or numeric entry, the Lag Order Entry System can assist the distributor in improving customer service because

items ordered are agreed upon with the customer and then entered correctly. This System not only helps increase customer service but also means less returned merchandise, sales increase, warehouse efficiency, reduction in order entry, lower investment and continuous increased performance. This feature supporting the 3340, is an added feature to the original DOES System.  
Release Notice

G520-2326

IBM EDUCATION - A COURSE OF ACTION - SELF STUDY -  
COURSES AND STUDENT MATERIALS CATALOG

This book covers the full spectrum of self-study courses to augment the classroom courses offered by IBM. It also contains education materials that may be purchased to supplement a data processing education library. The fold out section of the back cover contains an Education Materials Order Form.  
Catalog, 12 pages

G520-2467

COURSE SELECTION GUIDE - DP EDUCATION FOR MANAGERS

This pamphlet includes a short description for lecture courses for DP Education for Managers. Course topics, prerequisites, tuition, and class durations are indicated along with a management curriculum chart.  
Brochure

GA33-1506

IBM SYSTEM/370 MODEL 125 FUNCTIONAL CHARACTERISTICS MANUAL  
This manual contains information on the operations that can be performed on the System/370 Model 125, including channel and I/O operations.

The Model 125 is a general purpose data processing system, controlled from a central processing unit, with a direct attachment for disk drives as a standard feature. It can be equipped with a multiplexer channel and with integrated attachments and adapters for magnetic tape units, card I/O devices, a printer, and teleprocessing devices.

The manual describes the basic architecture and features of the central processing unit, and the channel characteristics.

The intended readership consists mainly of systems analysts evaluating the capabilities of the Model 125 in terms of its manual and program operations, and of system programmers writing channel programs or operating systems for the Model 125. The manual is only of limited use to application programmers because it contains little information related to programming languages.

The first main section of the publication, "System Control", describes the architectural features such as the program status word control registers, and fixed areas in main storage, and gives details of mode selection and other manual operations. The second main section describes the channel characteristics, and specifies the commands, status and sense information of the natively-attached I/O devices. A separate chapter describes the teleprocessing attachment. Instruction timings are listed in an appendix.

Prerequisite Publications:

IBM System/370 System Summary, GA22-7001  
IBM System/360 Principles of Operation, GA22-6821  
IBM System/370 Principles of Operation, GA22-7000 Manual, 252 pages

## Part 3. Current Editions by Order Number

The flag \*\* preceding an order number indicates a new or changed item. The flag # following an order number shows that more than one edition is current. Any Technical Newsletter applying to the latest edition also applies to all earlier editions but is listed only once. (See Preface.)

14	**GA09-1600-0			IBM 3270 INFORMATION DISPLAY SYSTEM CUSTOM FEATURE DESCRIPTION: 129-3270 ATTACHMENT (RPQ 8T0093)
10	GA10-0018-0			5486 CARD SORTER OPERATOR'S GUIDE (IN SPANISH)
04	GA19-0004-1			IBM 1219 READER SORTER, MODEL 32
09	GA19-0010-3			IBM 1419 MAGNETIC CHARACTER READER, MODEL 32
13	GA19-0019-0			IBM 3944 DIAL TERMINAL
04	GA19-0023-2			IBM SYSTEM/360 MODEL 30 1401/1440/1460 COMPATIBILITY FEATURE INVERTED PRINT EDIT AND STERLING SUB-FEATURES
04	GA19-0034-3			IBM 1419 MODEL 32 ATTACHED TO IBM SYSTEM/360 MODEL 25, 30, 40, 50, AND 65
04	GA19-0036-3#			IBM 1275 OPTICAL READER SORTER FOR SYSTEM/360 AND SYSTEM/370
	GA19-0036-0#			PAPER AND PRINT QUALITY REQUIREMENTS FOR IBM 1270 AND 1275 OPTICAL READER SORTERS
00	**GA19-0063-1			IBM 3600 FINANCE COMMUNICATION SYSTEM CONFIGURATOR
00	**GA21-9001-0			IBM 1060 CONFIGURATOR
15	**GA21-9010-3			IBM 1060 DATA COMMUNICATIONS SYSTEM INSTALLATION MANUAL - PHYSICAL PLANNING
02	GA21-9025-4#			IBM 1442-N1 AND N2 COMPONENT DESCRIPTION AND OPERATING PROCEDURES - SRL MANUAL
	GA21-9025-3#			IBM 2501 MODELS B1 AND B2 COMPONENT DESCRIPTION AND OPERATING PROCEDURES
02	GA21-9026-3			IBM 2520-B1, B2, AND B3, COMPONENT DESCRIPTION AND OPERATING PROCEDURES - SRL MANUAL
02	GA21-9027-4#			
	GA21-9027-3#	GN21-0104	GN21-0087	
		GN21-0083		
09	**GA21-9028-2			IBM 357/1030/2790 BADGE SPECIFICATIONS
04	GA21-9031-3			IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES: 1231-N1 (OPTICAL MARK PAGE READER)
02	GA21-9033-3			IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES, IBM 2540 CARD READ PUNCH - SRL MANUAL
09	**GA21-9041-0			IBM 1035 COMPONENT DESCRIPTION AND OPERATING PROCEDURES
14	**GA21-9050-3	**GN21-0110		IBM 2956 OPTICAL MARK/HOLE READER MODELS 2 AND 3 COMPONENT DESCRIPTION AND OPERATING PROCEDURES
04	GA21-9064-6			IBM SYSTEM/360 COMPONENT DESCRIPTION AND OPERATING PROCEDURES IBM 1287 OPTICAL READER
10	GA21-9078-2			IBM 5486 CARD SORTER OPERATOR'S GUIDE
04	GA21-9081-3	GN21-0134	GN21-0148	IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 1288 OPTICAL PAGE READER MODEL 1
		GN21-0147		
02	GA21-9124-4	**GN21-0202		IBM 3504 CARD READER/IBM 3505 CARD READER AND IBM 3525 CARD PUNCH SUBSYSTEM
09	**GA21-9131-1	**GN21-0195		3741 DATA STATION OPERATOR'S GUIDE
09	**GA21-9136-1	**GN21-0194	**GN21-0176	3742 DUAL DATA STATION OPERATOR'S GUIDE
		**GN21-0189		
04	GA21-9139-0			IBM 1287 OPTICAL READER MODEL 5: GENERAL INFORMATION
04	GA21-9143-1			IBM 3881 OPTICAL MARK READER MODELS 1 AND 2 REFERENCE MANUAL AND OPERATOR'S GUIDE
02	GA21-9144-0			IBM 2596 CARD READ PUNCH PROGRAMMER'S REFERENCE MANUAL AND OPERATOR'S GUIDE - SYSTEMS REFERENCE LIBRARY
04	GA21-9147-1	**GN21-0201		IBM 3886 OPTICAL CHARACTER READER MODEL I REFERENCE MANUAL
04	GA21-9148-1			IBM 3886 OPTICAL CHARACTER READER INPUT DOCUMENT DESIGN GUIDE AND SPECIFICATIONS
04	GA21-9150-0			IBM SYSTEM/360 AND SYSTEM/370 COMPONENT DESCRIPTION AND OPERATING PROCEDURES: IBM 1287 OPTICAL READER, MODEL 5
09	**GA21-9152-1			IBM 3740 DATA ENTRY SYSTEM - SYSTEM SUMMARY AND INSTALLATION PLANNING
		GN21-0168		
04	GA21-9154-0			IBM 3886 OPTICAL CHARACTER READER MODEL 2 COMPONENT REFERENCE MANUAL
02	GA21-9167-0	**GN21-0197		IBM SYSTEM/370: 5425 MULTI-FUNCTION CARD UNIT PROGRAMMER'S REFERENCE MANUAL AND OPERATOR'S GUIDE
09	**GA21-9170-1			IBM 3747 DATA CONVERTER REFERENCE MANUAL & OPERATOR'S GUIDE
08	**GA21-9182-0			THE IBM DISKETTE FOR STANDARD DATA INTERCHANGE
09	**GA21-9183-0	**GN21-0182	**GN21-0180	IBM 3741 DATA STATION REFERENCE MANUAL
09	**GA21-9184-0			IBM 3742 DUAL DATA STATION REFERENCE MANUAL
09	**GA21-9194-0			IBM 3741 MODELS 3 AND 4 PROGRAMMABLE WORK STATION PROGRAMMING REFERENCE MANUAL
09	**GA21-9196-1			IBM 3741 MODELS 3 AND 4 PROGRAMMABLE WORK STATION GENERAL INFORMATION
08	GA21-9197-0			IBM 3540 DISKETTE INPUT/OUTPUT UNIT OPERATOR'S GUIDE AND PROGRAMMER'S REFERENCE MANUAL
00	**GA22-6810-12			IBM SYSTEM/360 SYSTEM SUMMARY
00	GA22-6813-5#			IBM SYSTEM/360 MODEL 40 CONFIGURATOR
	GA22-6813-4#			
00	GA22-6814-4			IBM SYSTEM/360 MODEL 50 CONFIGURATOR
01	GA22-6821-6#			IBM SYSTEM/360 PRINCIPLES OF OPERATION
	GA22-6821-7#	GN22-0354	GN22-0361	
00	GA22-6823-11			SYSTEM/360 INPUT/OUTPUT CONFIGURATOR
05	GA22-6828-1			IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 7340 MODEL 3 HYPERTAPE DRIVE
09	GA22-6846-4			IBM SYSTEM/360 COMPONENT DESCRIPTION
				IBM 2702 TRANSMISSION CONTROL
09	GA22-6864-5#			IBM 2701 DATA ADAPTER UNIT COMPONENT DESCRIPTION
	GA22-6864-4#			
05	GA22-6866-6#			SYSTEM/360 COMPONENT DESCRIPTIONS: 2400-SERIES MAGNETIC TAPE UNITS, 2803/2804 TAPE CONTROLS, AND 2816 SWITCHING UNIT MODEL 1
	GA22-6866-5#	GN32-0008		
08	GA22-6868-3#			IBM SYSTEM/360 - COMPONENT DESCRIPTION, IBM 1827 DATA CONTROL UNIT
	GA22-6868-2#			
00	GA22-6872-1			IBM 1827 DATA CONTROL UNIT - CONFIGURATOR
00	GA22-6874-1			IBM SYSTEM/360 MODEL 44 CONFIGURATOR
01	GA22-6875-6			IBM SYSTEM/360 MODEL 44 FUNCTIONAL CHARACTERISTICS
01	GA22-6877-5#			IBM SYSTEM/360 COMPONENT DESCRIPTIONS AND OPERATING PROCEDURES IBM 1052 PRINTER-KEYBOARD MODEL 7 WITH
	GA22-6877-4#	GN22-0305		IBM 2150 CONSOLE

01	GA22-6881-3#			IBM SYSTEM/360 MODEL 40 FUNCTIONAL CHARACTERISTICS
	GA22-6881-2#			
01	GA22-6884-4			IBM SYSTEM/360 MODEL 65 FUNCTIONAL CHARACTERISTICS
00	GA22-6887-5			SYSTEM/360 MODEL 65 CONFIGURATOR
00	GA22-6888-3#			IBM SYSTEM/360 MODEL 75 CONFIGURATOR
01	GA22-6889-2	GN27-2931		IBM SYSTEM/360 MODEL 75 FUNCTIONAL CHARACTERISTICS
13	GA22-6892-1			IBM SYSTEM/360 SPECIAL FEATURE CHANNEL-TO-CHANNEL ADAPTER
07	GA22-6895-3			IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2820 STORAGE CONTROL AND 2301 DRUM STORAGE
01	GA22-6898-3#			IBM SYSTEM/360 MODEL 50 FUNCTIONAL CHARACTERISTICS
	GA22-6898-2#	GN22-0330		
13	GA22-6900-2	GN22-0301		DATA ACQUISITION SPECIAL FEATURES FOR THE IBM SYSTEM/360 MODEL 44
01	GA22-6907-3#			IBM SYSTEM/360 MODEL 91 FUNCTIONAL CHARACTERISTICS
	GA22-6907-2#			
01	GA22-6908-2#			IBM SYSTEM/360 MODEL 50 OPERATING PROCEDURES
	GA22-6908-1#			
01	GA22-6909-0			IBM SYSTEM/360 MODEL 75 OPERATING PROCEDURES
01	GA22-6910-0			IBM SYSTEM/360 MODEL 44 OPERATING PROCEDURES
01	GA22-6911-1			IBM SYSTEM/360 MODEL 40 OPERATING PROCEDURES
01	GA22-6916-1	GN22-0325	GN22-0326	IBM SYSTEM/360 MODEL 85 FUNCTIONAL CHARACTERISTICS
00	GA22-6920-3			IBM SYSTEM/360 MODEL 85 CONFIGURATOR
01	GA22-6927-1			IBM SYSTEM/360 MODEL 85 OPERATING PROCEDURES
01	GA22-6935-0	GN22-0391	GN22-0401	IBM SYSTEM/370 MODEL 165 FUNCTIONAL CHARACTERISTICS
01	GA22-6942-2#			IBM SYSTEM/370 MODEL 155 FUNCTIONAL CHARACTERISTICS
01	GA22-6943-3	GN22-0469		IBM SYSTEM/360 AND SYSTEM/370 MODEL 195 FUNCTIONAL CHARACTERISTICS
00	GA22-6944-3			IBM SYSTEM/360 AND SYSTEM/370 MODEL 195 CONFIGURATOR
10	GA22-6951-0	GN22-0366		IBM 50 MAGNETIC DATA INSCRIBER OPERATOR'S GUIDE
01	**GA22-6954-1			IBM'S/360 & S/370 MODEL 195 OPERATING PROCEDURES
13	GA22-6955-1			IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION: 709/7090/7094/7094 II COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165
00	GA22-6956-0			IBM SYSTEM/370 MODEL 165 CONFIGURATOR
00	GA22-6957-1			IBM SYSTEM/370 MODEL 155 CONFIGURATOR
13	GA22-6958-1			IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION: 7070/7074 COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165
01	GA22-6962-1	GN22-0400	GN22-0463	IBM SYSTEM/370 MODEL 155 CHANNEL CHARACTERISTICS
		GN22-0478		
13	GA22-6963-1			IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION 7080 COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165
01	GA22-6966-1			IBM SYSTEM/370 MODEL 155 OPERATING PROCEDURES
01	GA22-6969-1	**GN22-0481		IBM SYSTEM/370 MODEL 165 OPERATING PROCEDURES
13	GA22-6983-0			SYSTEM/370 SPECIAL FEATURE: CHANNEL-TO-CHANNEL ADAPTER
01	GA22-7000-3			IBM SYSTEM/370 PRINCIPLES OF OPERATION
00	GA22-7001-3#	GN22-0470	**GN22-0473	IBM SYSTEM/370 SYSTEM SUMMARY
	GA22-7001-2#	GN22-0466		
00	**GA22-7002-5			SYSTEM/370 INPUT/OUTPUT CONFIGURATOR
01	GA22-7010-1	GN22-0477		SYSTEM/370 MODEL 168 FUNCTIONAL CHARACTERISTICS MANUAL
01	GA22-7011-2	GN22-0475	**GN22-0483	IBM SYSTEM/370 MODEL 158 FUNCTIONAL CHARACTERISTICS
01	GA22-7012-0	GN22-0462	**GN22-0474	IBM SYSTEM/370 MODEL 158 CHANNEL CHARACTERISTICS
00	GA22-7013-2			SYSTEM/370 MODEL 158 CONFIGURATOR
00	GA22-7014-0			SYSTEM/370 MODEL 168 CONFIGURATOR
13	GA22-7016-0			IBM SYSTEM/370 MODEL 165 II DYNAMIC ADDRESS TRANSLATION FACILITY
13	**GA22-7017-0	GN22-0464	GN22-0476	IBM SYSTEM/370 MODEL 155 II DYNAMIC ADDRESS TRANSLATION FACILITY
09	**GA24-1029-4			IBM 1001 DATA TRANSMISSION SYSTEM
04	GA24-1421-4#			IBM 1412 MAGNETIC CHARACTER READER MODEL I
	GA24-1421-3#			
03	GA24-1446-1			IBM 1404 PRINTER
04	GA24-1452-2			PRINT QUALITY CONSIDERATIONS IBM 1418 AND IBM 1428
04	GA24-1473-3			IBM 1418 OPTICAL CHARACTER READER IBM 1428 ALPHAMERIC OPTICAL READER
04	GA24-1499-8#			IBM 1219 READER SORTER IBM 1419 MAGNETIC CHARACTER READER
	GA24-1499-7#	GN24-0491		
09	**GA24-3018-5			IBM 1030 DATA COLLECTION SYSTEM
09	**GA24-3020-4			IBM 1050 REFERENCE DIGEST
15	**GA24-3021-5			IBM 1030 DATA COLLECTION SYSTEM INSTALLATION MANUAL - PHYSICAL PLANNING
15	**GA24-3022-5			IBM 1050 DATA COMMUNICATIONS SYSTEM INSTALLATION MANUAL, PHYSICAL PLANNING
09	**GA24-3034-2			IBM 1060 DATA COMMUNICATIONS SYSTEM
00	**GA24-3045-4			IBM 1030 CONFIGURATOR
03	**GA24-3073-9#			IBM 1403 PRINTER COMPONENT DESCRIPTION
	GA24-3073-8#	GN24-0672		
13	GA24-3081-3			MARK READ STATION (SLANTED MARK) FOR IBM 1418 AND IBM 1428
00	**GA24-3090-5			IBM TELEPROCESSING SYSTEMS SUMMARY
03	GA24-3120-7			IBM 1443 PRINTER MODELS 1 THROUGH 4 AND N1, AND 1445 PRINTER MODELS 1 AND N1: COMPONENT DESCRIPTION
09	**GA24-3125-3			IBM 1050 OPERATOR'S GUIDE
01	GA24-3231-7#			IBM SYSTEM/360 MODEL 30 FUNCTIONAL CHARACTERISTICS
	GA24-3231-6#			
00	GA24-3232-3			IBM SYSTEM/360 MODEL 30 CONFIGURATOR
13	GA24-3255-7	GN24-0437		IBM SYSTEM/360 MODEL 30 1401/1440/1460 COMPATIBILITY FEATURE SRL MANUL
04	GA24-3256-5	GN21-0102		IBM 1285 OPTICAL READER COMPONENT DESCRIPTION AND OPERATING PROCEDURES
09	**GA24-3266-1			IBM 1092 AND 1093 PROGRAMMED KEYBOARDS
03	GA24-3312-8#			IBM 2821 CONTROL UNIT COMPONENT DESCRIPTION
	GA24-3312-7#	GN24-0455	GN24-0453	
13	GA24-3342-0			BATCH NUMBERING FEATURE FOR IBM 1241 AND 1419 MAGNETIC INK CHARACTER RECOGNITION READERS

13	GA24-3365-3			IBM SYSTEM/360 MODEL 30 1620 COMPATIBILITY FEATURE
01	GA24-3373-3#			IBM SYSTEM/360 MODEL 30 OPERATING GUIDE
	GA24-3373-2#	GN24-0432		
08	**GA24-3388-5#			IBM 2671 PAPER TAPE READER,
	GA24-3388-4#	**GN33-0004		IBM 2822 PAPER TAPE READER CONTROL - COMPONENT DESCRIPTION
09	**GA24-3403-4#			IBM 2740 COMMUNICATION TERMINALS MODEL 1 AND 2
	GA24-3403-3#	GN27-3034	GN27-3091	COMPONENT DESCRIPTION
01	GA24-3411-2			IBM SYSTEM/360 MODEL 30 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION
09	**GA24-3415-3#			IBM 2741 COMMUNICATION TERMINAL
	GA24-3415-2#	GN27-3053		
09	GA24-3426-0			IBM 2712 REMOTE MULTIPLEXOR
15	**GA24-3435-5			PLANNING AND INSTALLATION OF A DATA COMMUNICATION SYSTEM USING IBM LINE ADAPTERS
09	**GA24-3471-1			IBM 1050 SYSTEM SUMMARY
09	**GA24-3474-1			IBM 1050 DATA COMMUNICATION SYSTEM PRINCIPLES OF OPERATION
04	GA24-3500-2			IBM 1259 MAGNETIC CHARACTER READER COMPONENT DESCRIPTION
15	GA24-3509-3			IBM 2944 DATACHANNEL REPEATER INSTALLATION MANUAL-PHYSICAL PLANNING
01	GA24-3510-1	GN24-0425	GN24-0454	IBM SYSTEM/360 MODEL 25 FUNCTIONAL CHARACTERISTICS
00	GA24-3511-4			IBM SYSTEM/360 MODEL 25 CONFIGURATOR
13	GA24-3512-2	GN24-0452		IBM SYSTEM/360 MODEL 25 1401/1460 AND 1440 COMPATIBILITY FEATURES
15	GA24-3516-3			IBM 2938 ARRAY PROCESSOR MODEL 1 RPQ W24563, MODEL 2 RPQ 815188 INSTALLATION MANUAL - PHYSICAL PLANNING
14	GA24-3519-1	GN24-0448	GN24-0459	IBM SYSTEM/360 CUSTOM EQUIPMENT DESCRIPTION: 2938 ARRAY PROCESSOR (MODEL 1, RPQ W24563; MODEL 2, RPQ 815188)
		GN24-0469		IBM SYSTEM/360 MODEL 25 OPERATING PROCEDURES
01	GA24-3523-2			IBM SYSTEM/360 MODEL 25 MODE FEATURE
13	GA24-3524-3#			
	GA24-3524-2#			IBM SYSTEM/360 MODEL 25 INTEGRATED COMMUNICATIONS ATTACHMENT FEATURE
13	GA24-3526-2			IBM SYSTEM/360 MODEL 25 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION
01	GA24-3538-1#			IBM SYSTEM/360 MODEL 25 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION
04	GA24-3542-2			IBM 1255 MAGNETIC CHARACTER READER MODELS 1, 2, AND 3 COMPONENT DESCRIPTION
03	GA24-3543-4#	**GN24-0689		IBM 3211 PRINTER 3216 INTERCHANGEABLE TRAIN CARTRIDGE AND 3811 PRINTER CONTROL UNIT COMPONENT DESCRIPTION AND OPERATOR'S GUIDE
	GA24-3543-3#			
15	GA24-3545-1			IBM 2956-5 MULTI-POCKET READER SORTER INSTALLATION MANUAL PHYSICAL PLANNING
14	GA24-3547-0			IBM SYSTEM/360 MODEL 25, HIGH-SPEED CHANNEL-2314 ATTACHMENT FEATURE RPQ E69109
01	GA24-3550-2			IBM 3215 CONSOLE PRINTER-KEYBOARD COMPONENT DESCRIPTION
14	GA24-3551-0			IBM 2956-5 MULTI-POCKET MCR READER SORTER CUSTOM UNIT DESCRIPTION: RPQ W19976
01	GA24-3552-2			IBM 3210 CONSOLE PRINTER-KEYBOARDS COMPONENT DESCRIPTION
01	GA24-3557-5#	GN24-0636	**GN24-0659	IBM SYSTEM/370 MODEL 145 FUNCTIONAL CHARACTERISTICS
15	GA24-3561-0			IBM 1925 MODEL 18 INTERFACE SWITCH UNIT RPQ 811301 INSTALLATION MANUAL--PHYSICAL PLANNING
15	GA24-3562-0			IBM 2911 MODEL 14 INTERFACE SWITCH UNIT RPQ 811503 INSTALLATION MANUAL--PHYSICAL PLANNING
14	GA24-3564-0			IBM SYSTEM/360 MODEL 30 STORAGE EXPANSION FEATURE MANUAL: RPQ'S EA3807, EA1527; OR RPQ'S Y91283 AND Y91325 (WORLD TRADE)
15	GA24-3566-1#	GN24-0476		IBM 1972 MODEL 3 PRODUCTION TERMINAL
	GA24-3566-0#			IBM 1972 MODEL 4 INSTRUCTION CONSOLE INSTALLATION MANUAL PHYSICAL PLANNING COMPONENT DESCRIPTION
01	GA24-3572-1			IBM SYSTEM/360 MODEL 22 FUNCTIONAL CHARACTERISTICS SYSTEMS MANUAL
01	GA24-3573-1	**GN24-0655		IBM SYSTEM/370 MODEL 145 CHANNEL CHARACTERISTICS
01	GA24-3574-1#			IBM SYSTEM/360 MODEL 22 OPERATOR'S GUIDE
01	GA24-3579-0			IBM SYSTEM/360 MODEL 22 CHANNEL CHARACTERISTICS AND FUNCTIONAL EVALUATION - SYSTEMS LIBRARY MANUAL
14	GA24-3590-0			IBM 1972 MODEL 3 PRODUCTION TERMINAL 1972 MODEL 4 INSTRUCTION CONSOLE OPERATOR'S GUIDE
35	GA24-3594-0	GN24-0496	GN24-0498	IBM EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS AND DOS/V5 PLANNING GUIDE - PROGRAM NUMBER 5799-ADR
35	GA24-3595-0	GN24-0497	GN24-0499	IBM EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS AND DOS/V5 (PRPQ): PLANNING GUIDE, PROG. NO. 5799-ADT
04	GA24-3602-1	GN24-0647		IBM 3890 DOCUMENT PROCESSOR - GENERAL INFORMATION
35	GA24-3604-1	**GN33-7051		EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING DOS SYSTEM LIBRARY MANUAL - RPQ NUMBER 5799-ADT
35	GA24-3605-1	**GN33-7052		IBM EMULATOR MANUAL FOR RCA 301 ON SYSTEM/370 USING DOS - PROGRAM NUMBER 5799-ADR
04	GA24-3612-0			IBM 3890 DOCUMENT PROCESSOR MACHINE AND PROGRAMMING DESCRIPTION
14	GA26-1583-0			IBM SYSTEM/360 CUSTOM FEATURE DESCRIPTION - 2973 MODEL 2 FILE SWITCH RPQ F13209
07	GA26-1589-3			COMPONENT SUMMARY-2835 STORAGE CONTROL
07	GA26-1592-3	GN26-0303	GN26-0306	2305 FIXED HEAD STORAGE
14	GA26-1593-1			REFERENCE MANUAL FOR IBM 3830 STORAGE CONTROL AND IBM 3330 DISK STORAGE
14	GA26-1599-2	GN26-0289		IBM 2968 MODEL 11 AUDIO/VISUAL CONTROL: COMPONENT DESCRIPTION AND OPERATING PROCEDURES RPQ F30209
15	GA26-1600-1			IBM 2730 MODEL 1 TRANSACTION VALIDATION TERMINAL, IBM 2968 MODEL 9 AND MODEL 12 RECEIVER-TERMINAL CONTROL UNIT
07	GA26-1606-2			2730 MODEL 1, 2968 MODEL 9, AND 2968 MODEL 12: INSTALLATION MANUAL - PHYSICAL PLANNING
07	**GA26-1615-3			IBM 2319 DISK STORAGE - A-SERIES, COMPONENT DESCRIPTION INTRODUCTION IBM 3330 A-SERIES DISK STORAGE - SYSTEM LIBRARY MANUAL



07	**GA26-1617-3			REFERENCE MANUAL FOR IBM 3830 STORAGE CONTROL MODEL 2
07	**GA26-1619-3			IBM 3340 COMPONENT SUMMARY
07	**GA26-1620-2			REFERENCE MANUAL FOR IBM INTEGRATED STORAGE CONTROL
15	GA26-1621-1			INSTALLATION MANUAL PHYSICAL PLANNING IBM 2984 MODEL 1 CASH
				ISSUING TERMINAL RPQ 834660
07	GA26-1625-0			IBM 3348 DATA MODULE HANDLING PROCEDURES
07	**GA26-1630-0			IBM 3330 SERIES DISK STORAGE MODEL 1 TO MODEL 11
				CUSTOMER CONVERSION GUIDE
13	**GA26-1632-0			IBM 3340 DISK/STORAGE - FIXED HEAD FEATURE USERS GUIDE
07	GA26-3599-6#			IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2314 DIRECT ACCESS
				STORAGE FACILITY AND 2844 AUXILIARY STORAGE CONTROL
07	GA26-3633-1			DATA CELL HANDLING GUIDE
14	GA26-3699-1#			IBM 1971-1980 CUSTOM TERMINAL FUNCTIONAL CHARACTERISTICS,
				OPERATING PROCEDURES, AND PHYSICAL PLANNING
08	GA26-4187-2			DISKETTE HANDLING PROCEDURES
14	GA26-5714-0			IBM 2314/2844 MULTIPLEX STORAGE CONTROL FEATURE - AIRLINES
				BUFFER
07	**GA26-5756-10			IBM DISK PACK AND CARTRIDGE HANDLING PROCEDURES
03	GA26-5893-7			IBM SYSTEM/360 AND SYSTEM/370 COMPONENT DESCRIPTION AND
				OPERATING PROCEDURES: IBM 2560 MULTI-FUNCTION CARD MACHINE
07	GA26-5988-7			IBM SYSTEM/360 COMPONENT DESCRIPTIONS--2841 AND
				ASSOCIATED DASD
14	GA26-5993-1			IBM SYSTEM/360 CUSTOM FEATURE, 2972 LINE
				CONTROL UNIT, MODEL 1
06	GA27-2700-5			IBM SYSTEM/360 COMPONENT DESCRIPTION:
				IBM 2260 DISPLAY STATION
				IBM 2848 DISPLAY CONTROL
06	GA27-2701-3#			IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250
				DISPLAY UNIT MODEL 1
06	GA27-2702-0			IBM SYSTEM/360 COMPONENT DESCRIPTION IBM
				2250 DISPLAY UNIT MODEL 2 IBM 2840 DISPLAY CONTROL MODEL 1
09	GA27-2703-2#			IBM 2703 TRANSMISSION CONTROL COMPONENT DESCRIPTION
09	GA27-2704-1			IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2711 LINE
				ADAPTER UNIT
09	GA27-2710-1			IBM 7772 AUDIO RESPONSE UNIT VOCABULARY
09	GA27-2711-1#			IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 7772 AUDIO
				RESPONSE UNIT
09	GA27-2711-0#			COMPONENT DESCRIPTION: IBM 7770 AUDIO RESPONSE UNIT MODEL 3
				IBM SYSTEM/360 MODEL 67 CONFIGURATOR
09	GA27-2712-1			IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION
00	GA27-2713-3			709/7040/7044/7090/7094/7094 II COMPATIBILITY FEATURE FOR
13	GA27-2715-2			SYSTEM/360 MODELS 65 AND 67
				IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION 7080
13	GA27-2716-0	GN27-2912		COMPATIBILITY FEATURE FOR SYSTEM/360 MODEL 65
				IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION 7074
				COMPATIBILITY FEATURE FOR SYSTEM/360 MODELS 50 AND 65
01	GA27-2719-2#			IBM SYSTEM/360 MODEL 67 FUNCTIONAL CHARACTERISTICS
06	GA27-2721-1#			IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2250 DISPLAY UNIT
				MODEL 3 IBM 2840 DISPLAY CONTROL MODEL 2
15	GA27-2724-1			IBM SYSTEM/360 CUSTOM SYSTEMS UNIT 2916 LONG LINE ADAPTER,
				MODELS 3 AND 4 INSTALLATION BULLETIN - PHYSICAL PLANNING
10	GA27-2725-2	GN22-0341	GN22-0340	IBM 50 MAGNETIC DATA INSCRIBER COMPONENT DESCRIPTION
		GN22-0339	GN22-0331	
05	GA27-2726-1			IBM SYSTEM/360 COMPONENT DESCRIPTION IBM 2495 TAPE
				CARTRIDGE READER
15	GA27-2727-1			IBM SYSTEM/360 CUSTOM SYSTEMS UNIT 2909 MODEL 3 -
				ASYNCHRONOUS DATA CHANNEL RPQ F13299 RPQ 882045
				INSTALLATION BULLETIN-PHYSICAL PLANNING
01	GA27-2728-1#			IBM SYSTEM/360 MODEL 65 OPERATING PROCEDURES
15	GA27-2729-0			IBM SYSTEM/360 CUSTOM SYSTEMS UNIT 2972 MODEL 7
				SCIENTIFIC INTERFACE CONTROL UNIT RPQ E46181
				INSTALLATION BULLETIN - PHYSICAL PLANNING
06	GA27-2730-0			COMPONENT DESCRIPTION IBM 2285 DISPLAY COPIER
06	GA27-2731-2	GN27-2945		IBM SYSTEM/360 COMPONENT DESCRIPTION
				IBM 2265 DISPLAY STATION IBM 2845 DISPLAY CONTROL
13	GA27-2733-0	GN27-2938	GN27-2936	IBM SYSTEM/360 SPECIAL FEATURE DESCRIPTION
		GN27-2941		709/7090/7094/7094 II COMPATIBILITY FEATURE FOR
				IBM SYSTEM/360 MODEL 85
14	GA27-2737-0			IBM 2909-3 ASYNCHRONOUS DATA CHANNEL RPQ F13299
				CUSTOM FEATURE DESCRIPTION
09	**GA27-2739-4			AN INTRODUCTION TO THE IBM 3270 INFORMATION DISPLAY SYSTEM
14	GA27-2740-0			IBM 7412 MODEL 1 CONSOLE, CUSTOM SYSTEMS RPQ AA2846,
				CUSTOM FEATURE DESCRIPTION
15	GA27-2741-0			INSTALLATION BULLETIN PHYSICAL PLANNING FOR IBM 7412
				CONSOLE MODEL 1 CUSTOM SYSTEMS RPQ AA2846
09	**GA27-2742-3			OPERATOR'S GUIDE FOR IBM 3270 INFORMATION DISPLAY SYSTEMS
09	**GA27-2749-3			IBM 3270 INFORMATION DISPLAY SYSTEM COMPONENT DESCRIPTION
09	**GA27-2750-1			IBM 3270 PROBLEM DETERMINATION GUIDE
14	**GA27-2752-0			IBM 3284/3286 PRINTER CUSTOM FEATURE DESCRIPTION MARGIN STOP
				VARIABLE RPQ #EB3995
14	**GA27-2753-2			IBM 3284/3286 PRINTER CUSTOM FEATURE DESCRIPTION VERTICAL
				FORMS INDEX CONTROL (RPQ EB4324)
14	**GA27-2758-0			IBM 3270 INFORMATION DISPLAY SYSTEM CUSTOM FEATURE
				DESCRIPTION, DUAL CASE CHARACTER SET RPQ 8K0366
00	**GA27-2762-1			IBM 3600 FINANCE COMMUNICATION SYSTEM CONFIGURATOR
09	GA27-2764-1			INTRODUCING THE IBM 3600 FINANCE COMMUNICATION SYSTEM
				SYSTEMS MANUAL
09	**GA27-2765-1			IBM 3600 FINANCE COMMUNICATION SYSTEM MANAGEMENT PLANNING
				GUIDE
15	**GA27-2766-1	**GN31-0045		IBM 3600 FINANCE COMMUNICATION SYSTEM INSTALLATION MANUAL
				PHYSICAL PLANNING
09	GA27-2767-0+			AN INTRODUCTION TO THE IBM 3790 COMMUNICATION SYSTEM
00	GA27-2768-1+			3790 COMMUNICATION SYSTEM CONFIGURATOR

15	GA27-2769-0+			IBM 3790 COMMUNICATION SYSTEM INSTALLATION MANUAL PHYSICAL PLANNING
01	GA27-2770-0			A GUIDE TO 60 HERTZ UPS SELECTION
01	GA27-2771-0			A GUIDE TO 50 HERTZ UPS SELECTION
01	GA27-2772-0			A UPS INSTALLATION PLANNING GUIDE
13	**GA27-2774-0			A GUIDE TO USING THE TEST REQUEST FEATURE ON IBM 3270 INFORMATION DISPLAY SYSTEMS
09	**GA27-3001-1			IBM 2740/2741 COMMUNICATIONS TERMINAL - OPERATOR'S GUIDE
09	**GA27-3004-2#			GENERAL INFORMATION - BINARY SYNCHRONOUS COMMUNICATIONS
09	**GA27-3005-3			IBM 2780 DATA TRANSMISSION TERMINAL - COMPONENT DESCRIPTION
15	**GA27-3006-3	**GN27-3118	**GN27-3123	IBM REMOTE MULTIPLEXERS AND COMMUNICATIONS TERMINALS INSTALLATION MANUAL - PHYSICAL PLANNING
09	GA27-3011-1			IBM 2760 OPTICAL IMAGE UNIT COMPONENT DESCRIPTION
09	**GA27-3013-2			SYSTEM COMPONENTS: IBM 2770 DATA COMMUNICATION SYSTEM
09	**GA27-3014-3#			IBM 2770 SYSTEM SUMMARY
09	**GA27-3015-3#			IBM 2790 DATA COMMUNICATION SYSTEM COMPONENT DESCRIPTION
09	**GA27-3016-2			IBM 2790 SYSTEM SUMMARY
15	**GA27-3017-5	**GN27-3121	**GN27-3132	IBM 2790 DATA COMMUNICATION SYSTEM INSTALLATION MANUAL PHYSICAL PLANNING
00	**GA27-3018-1			IBM 2770 CONFIGURATORS (MANUAL)
15	**GA27-3019-3	**GN27-3130		IBM 2770 DATA COMMUNICATION SYSTEM INSTALLATION MANUAL--PHYSICAL PLANNING
00	**GA27-3021-2			IBM 2790 CONFIGURATOR
09	GA27-3029-1			2721 PORTABLE AUDIO TERMINAL
09	**GA27-3035-3			IBM 2790 DATA COMMUNICATION SYSTEM OPERATOR'S GUIDE
09	**GA27-3038-1			OPERATOR'S GUIDE: IBM 2770 DATA COMMUNICATION SYSTEM
09	GA27-3039-0			IBM 2721 PORTABLE AUDIO TERMINAL OPERATOR'S HANDBOOK
14	GA27-3040-0			CUSTOM UNIT DESCRIPTION - 1970-1 REMOTE AUDIO RESPONSE UNIT
15	GA27-3041-0			IBM 1970 MODEL 1 REMOTE AUDIO RESPONSE UNIT INSTALLATION MANUAL - PHYSICAL PLANNING
09	GA27-3043-2			IBM 3735 PROGRAMMABLE BUFFERED TERMINAL CONCEPT AND APPLICATION
15	GA27-3044-1			IBM 2976 MOBILE TERMINAL SYSTEM CUSTOM SYSTEM DESCRIPTION OPERATOR'S GUIDE - PHYSICAL PLANNING
09	GA27-3048-0+			IBM 3670 BROKERAGE COMMUNICATION SYSTEM SYSTEM CONCEPTS AND CONFIGURATOR
15	GA27-3049-1			IBM 3670 BROKERAGE COMMUNICATION SYSTEM INSTALLATION MANUAL--PHYSICAL PLANNING
09	GA27-3050-1			IBM 3670 BROKERAGE COMMUNICATION SYSTEM COMPONENT DESCRIPTION MANUAL
09	GA27-3051-1	GN27-3120	**GN27-3122	INTRODUCTION TO THE 3705 COMMUNICATIONS CONTROLLER
09	GA27-3055-4	**GN27-3129		IBM 3705 COMMUNICATIONS CONTROLLER OPERATOR'S GUIDE
09	**GA27-3058-2			IBM 3872 MODEM USER'S GUIDE
09	**GA27-3059-0			IBM 3872 MEDIUM-SPEED MODEM DIGEST - REFERENCE SUMMARY
09	**GA27-3061-2			IBM 3735 PROGRAMMABLE BUFFERED TERMINAL OPERATOR'S GUIDE
09	**GA27-3062-1			IBM 3872 MODEM PROBLEM DETERMINATION CARD
09	**GA27-3063-2	**GN27-3131		COMPONENT INFORMATION FOR THE IBM 3780 DATA COMMUNICATION TERMINAL
14	**GA27-3066-2			SUPPLEMENTARY OPERATOR'S AND PROGRAMMER'S GUIDE INFORMATION CARD IBM 3735 WITH IBM 129 CARD DATA RECORDER (RPQ#EB1935)
14	GA27-3068-0	GN19-0157		IBM 2984 MODEL 1 CASH ISSUING TERMINAL CUSTOM UNIT DESCRIPTION OPERATOR'S GUIDE
14	**GA27-3069-0			SUPPLEMENTARY OPERATOR'S AND PROGRAMMER'S GUIDE INFORMATION IBM 3735 WITH IBM KEYPAD UNIT AND FILE SEARCH (RPQ #853102)
30	GA27-3070-2			3735 SUPPORT PROGRAM CODING MANUAL: NO-CHARGE PRPQ, PROG. NO. 5799-WEZ
14	**GA27-3073-0			IBM 3735 WITH AUTO FDP EXECUTION RPQ #MB7057 OPERATOR'S CARD
15	GA27-3074-0			IBM 3650 RETAIL STORE SYSTEM INSTALLATION MANUAL--PHYSICAL PLANNING
09	GA27-3075-0			IBM 3650 RETAIL STORE SYSTEM INTRODUCTION
09	GA27-3076-1+			IBM 3660 SUPERMARKET STORE CONTROL SYSTEM INTRODUCTION
15	**GA27-3079-1+			IBM 3660 SUPERMARKET SYSTEM INSTALLATION MANUAL - PHYSICAL PLANNING
09	**GA27-3091-0			IBM 3704 OPERATOR REFERENCE SUMMARY
09	**GA27-3092-0			IBM 3705 OPERATOR REFERENCE SUMMARY
05	GA32-0006-3			TAPE SPECIFICATIONS FOR IBM ONE-HALF INCH TAPE DRIVES AT: 556 AND 800 BPI AND 3200 FCI
05	GA32-0007-2			COMPONENT DESCRIPTION IBM 2420 MODEL 5 MAGNETIC TAPE UNIT
14	**GA32-0009-2			IBM 2968 TAPE TRANSMISSION UNIT MODELS 7 AND 10: CUSTOM FEATURE COMPONENT SUMMARY
05	GA32-0015-0			IBM 3410/3411 MAGNETIC TAPE SUBSYSTEM COMPONENT SUMMARY MANUAL
05	GA32-0020-3			3803/3420 MAGNETIC TAPE SUBSYSTEMS
05	**GA32-0021-1			IBM 3803-2/3420 MAGNETIC TAPE SUBSYSTEMS SUBSYSTEM DESCRIPTION
05	GA32-0022-0			IBM 3410/3411 MAGNETIC TAPE SUBSYSTEM COMPONENT DESCRIPTION MANUAL
85	GA32-0023-1			IBM 3803/3420 CUSTOMER CONVERSION GUIDE
09	**GA33-0001-1			IBM 3875 MODEM USER'S GUIDE
09	**GA33-0002-0			IBM 3874 MODEM USER'S GUIDE
01	**GA33-1506-2	**GN33-1591		IBM SYSTEM/370 MODEL 125 FUNCTIONAL CHARACTERISTICS
00	**GA33-1507-3			IBM SYSTEM/370 MODEL 125 CONFIGURATOR
00	GA33-1508-1			IBM 3125 PROCESSING UNIT INTEGRATED COMMUNICATIONS ADAPTER: CONFIGURATOR MANUAL
01	**GA33-1509-1			IBM SYSTEM/370 MODEL 125 OPERATION PROCEDURES
01	GA33-1510-0	**GN33-1589		IBM SYSTEM/370 MODEL 115 FUNCTIONAL CHARACTERISTICS
00	**GA33-1511-2			IBM SYSTEM/370 MODEL 115 CONFIGURATOR
01	GA33-1512-0			IBM SYSTEM/370 MODEL 125 CHANNEL CHARACTERISTICS
00	GA33-1513-0			IBM 3115 PROCESSING UNIT INTEGRATED COMMUNICATIONS ADAPTER CONFIGURATOR
01	**GA33-1514-0			OPERATOR'S LIBRARY SYSTEM/370 MODEL 115 PROCEDURES
03	**GA33-1515-0	**GN33-1590		IBM 3203 PRINTER COMPONENT DESCRIPTION AND OPERATOR'S GUIDE
01	**GA33-1516-0			IBM SYSTEM/370 MODEL 115 CHANNEL CHARACTERISTICS

01	**GA33-3005-5#	**GN24-0682	IBM SYSTEM/370 MODEL 135 FUNCTIONAL CHARACTERISTICS
13	GA33-3007-2#		IBM SYSTEM/370 MODEL 135-TERMINAL ADAPTER TYPE I MODEL II
	GA33-3007-1#		(FOR ICA): SPECIAL FEATURE DESCRIPTION SYSTEM LIBRARY MANUAL
13	GA33-3008-1		IBM SYSTEM/370 MODEL 135 TERMINAL ADAPTER TYPE III FOR ICA:
			SPECIAL FEATURE DESCRIPTION
13	**GA33-3009-3#		IBM SYSTEM/370 MODEL 135-SYNCHRONOUS DATA ADAPTER TYPE II
	GA33-3009-2#		(FOR ICA): SPECIAL FEATURE DESCRIPTION
	GA33-3009-1#		
01	GA33-3010-1		IBM SYSTEM/370 MODEL 135 CHANNEL CHARACTERISTICS
13	**GA33-3011-1#		IBM SYSTEM/370 MODEL 135 - TELEGRAPH ADAPTER TYPE II
	GA33-3011-0#		(FOR ICA): SPECIAL FEATURE DESCRIPTION MANUAL
00	**GA33-3014-2	**GN24-0685	IBM SYSTEM/370 MODEL 135 CONFIGURATOR
14	**GA33-3015-0		REFERENCE MANUAL FOR IBM 5985 COLOR DISPLAY CONTROL UNIT
			MODEL H02 AND IBM 5941 DISPLAY CONSOLE MODEL H02 (SEE
			ABSTRACT FOR RPQ'S)
08	**GA33-4500-2		IBM SYSTEM/360 COMPONENT DESCRIPTIONS - 2826 PAPER TAPE
			CONTROL UNIT 1017 PAPER TAPE READER 1018 PAPER TAPE PUNCH
09	**GA34-0016-1		IBM 5275 DIRECT NUMERICAL CONTROL STATION INTRODUCTION AND
			COMPONENT DESCRIPTION
14	GA34-1507-2	GN34-1523	IBM SYSTEM/7-360/370 CHANNEL ATTACHMENT: GENERAL INFORMATION
			MANUAL, RPQ D08112
14	GA34-1511-1		SYSTEM/370 IBM 5098-N05 SENSOR BASED CONTROL UNIT GENERAL
			INFORMATION MANUAL
14	GA34-1531-1		IBM 5275 MACHINE TOOL CONTROL UNIT (MCU) ACCESSORY RPQ
			D08286: GENERAL INFORMATION MANUAL
09	**GA36-0001-1		IBM 4872 MODEM MODEL 1
08	**GA36-0002-1		IBM 4481 FILM READER/RECORDER
08	**GA36-0003-1		4481 FILM READER/RECORDER PROGRAMMER'S GUIDE
09	**GA36-0004-0		IBM 4872 MODEM MODELS 2 AND 3
97	SBOF-2250-0		PTF FOR OS/VS2
99	SBOF-3575		VM/370 PLC MICROFICHE LISTINGS
97	SBOF-6100-0		PTF PROGRAM NUMBER 360S-AL-531
97	SBOF-6103-0		PTF PROGRAM NUMBER 360S-AS-037
97	SBOF-6106-0		PTF PROGRAM NUMBER 360S-CB-524
97	SBOF-6109-0		PTF PROGRAM NUMBER 360S-CB-545
97	SBOF-6110-0		PTF PROGRAM NUMBER 360S-CI-505
97	SBOF-6113-0		PTF PROGRAM NUMBER 360S-CI-535
97	SBOF-6116-0		PTF PROGRAM NUMBER 360S-CI-555
97	SBOF-6119-0		PTF PROGRAM NUMBER 360S-CO-503
97	SBOF-6122-0		PTF PROGRAM NUMBER 360S-CQ-513
97	SBOF-6125-0		PTF PROGRAM NUMBER 360S-CQ-519
97	SBOF-6128-0		PTF PROGRAM NUMBER 360S-CQ-548
97	SBOF-6131-0		PTF PROGRAM NUMBER 360S-DM-508
97	SBOF-6137-0		PTF PROGRAM NUMBER 360S-DN-527
97	SBOF-6140-0		PTF PROGRAM NUMBER 360S-DN-533
97	SBOF-6143-0		PTF PROGRAM NUMBER 360S-DN-539
97	SBOF-6146-0		PTF PROGRAM NUMBER 360S-DN-554
97	SBOF-6149-0		PTF PROGRAM NUMBER 360S-ED-521
97	SBOF-6152-0		PTF PROGRAM NUMBER 360S-FO-500
97	SBOF-6155-0		PTF PROGRAM NUMBER 360S-FO-520
97	SBOF-6158-0		PTF PROGRAM NUMBER 360S-FO-550
97	SBOF-6161-0		PTF PROGRAM NUMBER 360S-IO-523
97	SBOF-6164-0		PTF PROGRAM NUMBER 360S-IO-526
97	SBOF-6167-0		PTF PROGRAM NUMBER 360S-LD-547
97	SBOF-6170-0		PTF PROGRAM NUMBER 360S-LM-501
97	SBOF-6173-0		PTF PROGRAM NUMBER 360S-LM-512
97	SBOF-6176-0		PTF PROGRAM NUMBER 360S-LM-525
97	SBOF-6179-0		PTF PROGRAM NUMBER 360S-LM-532
97	SBOF-6182-0		PTF PROGRAM NUMBER 360S-LM-537
97	SBOF-6185-0		PTF PROGRAM NUMBER 360S-LM-542
97	SBOF-6188-0		PTF PROGRAM NUMBER 360S-LM-546
97	SBOF-6192-0		PTF PROGRAM NUMBER 360S-NL-511
97	SBOF-6195-0		PTF PROGRAM NUMBER 360S-PL-552
97	SBOF-6198-0		PTF PROGRAM NUMBER 360S-PT-516
97	SBOF-6201-0		PTF PROGRAM NUMBER 360S-RC-536
97	SBOF-6204-0		PTF PROGRAM NUMBER 360S-RC-541
97	SBOF-6207-0		PTF PROGRAM NUMBER 360S-RC-543
97	SBOF-6210-0		PTF PROGRAM NUMBER 360S-RC-551
97	SBOF-6213-0		PTF PROGRAM NUMBER 360S-RG-038
97	SBOF-6216-0		PTF PROGRAM NUMBER 360S-SM-023
97	SBOF-6219-0		PTF PROGRAM NUMBER 360S-UT-506
97	SBOF-6222-0		PTF MODULE GENERATION - OS
97	SBOF-6225-0		PTF SERVICE AIDS OS
97	SBOF-6230-0		PTF PROGRAM NUMBER 360N-AS-465
97	SBOF-6232-0		PTF PROGRAM NUMBER 360N-AS-466
97	SBOF-6234-0		PTF PROGRAM NUMBER 360N-CB-452
97	SBOF-6236-0		PTF PROGRAM NUMBER 360N-CB-468
97	SBOF-6238-0		PTF PROGRAM NUMBER 360N-CB-482
97	SBOF-6240-0		PTF PROGRAM NUMBER 360N-CL-453
97	SBOF-6242-0		PTF PROGRAM NUMBER 360N-CQ-469
97	SBOF-6244-0		PTF PROGRAM NUMBER 360N-CQ-470
97	SBOF-6248-0		PTF PROGRAM NUMBER 360N-DN-481
97	SBOF-6250-0		PTF PROGRAM NUMBER 360N-EU-484
97	SBOF-6252-0		PTF PROGRAM NUMBER 360N-EU-485
97	SBOF-6254-0		PTF PROGRAM NUMBER 360N-FO-451
97	SBOF-6256-0		PTF PROGRAM NUMBER 360N-FO-479
97	SBOF-6258-0		PTF PROGRAM NUMBER 360N-IO-454
97	SBOF-6260-0		PTF PROGRAM NUMBER 360N-IO-455
97	SBOF-6262-0		PTF PROGRAM NUMBER 360N-IO-456
97	SBOF-6264-0		PTF PROGRAM NUMBER 360N-IO-457
97	SBOF-6266-0		PTF PROGRAM NUMBER 360N-IO-458
97	SBOF-6268-0		PTF PROGRAM NUMBER 360N-IO-476

97	SBOF-6270-0		PTF PROGRAM NUMBER 360N-IO-477
97	SBOF-6272-0		PTF PROGRAM NUMBER 360N-IO-478
97	SBOF-6274-0		PTF PROGRAM NUMBER 360N-PL-464
97	SBOF-6276-0		PTF PROGRAM NUMBER 360N-PT-459
97	SBOF-6278-0		PTF PROGRAM NUMBER 360N-RG-460
97	SBOF-6280-0		PTF PROGRAM NUMBER 360N-SM-400
97	SBOF-6282-0		PTF PROGRAM NUMBER 360N-SM-450
97	SBOF-6284-0		PTF PROGRAM NUMBER 360N-SM-483
97	SBOF-6286-0		PTF PROGRAM NUMBER 360N-SV-473
97	SBOF-6288-0		PTF PROGRAM NUMBER 360N-SV-474
97	SBOF-6290-0		PTF PROGRAM NUMBER 360N-SV-475
97	SBOF-6292-0		PTF PROGRAM NUMBER 360N-SV-486
97	SBOF-6294-0		PTF PROGRAM NUMBER 360N-SV-487
97	SBOF-6296-0		PTF PROGRAM NUMBER 360N-SV-488
97	SBOF-6298-0		PTF PROGRAM NUMBER 360N-UT-461
97	SBOF-6300-0		PTF PROGRAM NUMBER 360N-UT-462
97	SBOF-6302-0		PTF PROGRAM NUMBER 360N-UT-463
97	SBOF-6304-0		PTF PROGRAM NUMBER 360N-UT-471
97	SBOF-6306-0		PTF PROGRAM NUMBER 360N-UT-472
97	SBOF-6308-0		PTF SERVICE AIDS DOS
78	GB21-0001-0		GENERALIZED VEHICLE SCHEDULING PROGRAM (VSP) NETWORK FOR LOS ANGELES; FIELD DEVELOPED PROGRAM AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AAA
78	SB21-0002-0	SN20-6041	GENERALIZED VEHICLE SCHEDULING PROGRAM NETWORK FOR LOS ANGELES FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AAA
78	**LB21-0003-1# LB21-0003-0#		VEHICLE SCHEDULING PROGRAM GENERALIZED VSP NETWORK FOR LOS ANGELES, CALIFORNIA: FIELD DEVELOPED PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER 5798-AAA
67	GB21-0010-0		2770/1255 REMOTE MICR ENTRY SYSTEM (UNDER DOS BTAM) - FDP AVAILABILITY NOTICE - PROG. NO. 5798-AAD
67	SB21-0011-0		2770/1255 REMOTE MICR ENTRY SYSTEM PROGRAM DESCRIPTION/OPERATION MANUAL PROGRAM NUMBER 5798-AAD
67	LB21-0012-0		2770/1255 REMOTE MICR ENTRY SYSTEM - SYSTEMS GUIDE PROGRAM NUMBER 5798-AAD
78	**GB21-0019-1# GB21-0019-0#		VEHICLE MAINTENANCE & COST ANALYSIS: S/360 MODELS 20, 25 & UP - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAG
78	SB21-0020-1#		VEHICLE MAINTENANCE AND COST ANALYSIS, SYSTEM/360 MODELS 20, 25 AND UP: PROGRAM DESCRIPTION/OPERATIONS MANUAL, FDP PROG. NO. 5798-AAG
78	LB21-0021-0	LN20-6230	VEHICLE MAINTENANCE AND COST ANALYSIS, SYSTEM/360 MODELS 20, 25 AND UP: SYSTEMS GUIDE, FDP PROG. NO. 5798-AAG
75	GB21-0031-0		PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370 AVAILABILITY NOTICE - FDP #5798-AAL
75	SB21-0032-0	SN20-6178	PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP #5798-AAL
75	LB21-0033-0		PRODUCTION ORDER INVENTORY TRACKING SYSTEM FOR S/360-370 SYSTEMS GUIDE - FDP # 5798-AAL
33	GB21-0034-0		DOS SORT EXIT ROUTINES FOR CS/30/40 DISK FILES - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAM
33	SB21-0035-0		DISK OPERATING SYSTEM SORT EXIT ROUTINES FOR CONTROL SYSTEM (CS)/30/40 FILES - FIELD DEVELOPED PROGRAM DESCRIPTION OPERATIONS MANUAL - PROGRAM NUMBER 5798-AAM
33	LB21-0036-0		DISK OPERATING SYSTEM SORT EXIT ROUTINES FOR CS/30/40 FILES SYSTEMS GUIDE - PROGRAM NUMBER 5798-AAM
76	GB21-0043-1		PUBLIC UTILITY FINANCIAL PLANNING SYSTEM - FDP AVAILABILITY NOTICE - PROG. NO. 5798-AAQ
76	SB21-0044-0		PUBLIC UTILITY FINANCIAL PLANNING SYSTEM - FIELD DEVELOPED PROGRAM - PROGRAM DESCRIPTION OPERATIONS MANUAL PROGRAM NUMBER 5798-AAQ
76	LB21-0045-0		PUBLIC UTILITY FINANCIAL PLANNING SYSTEM GUIDE PROGRAM NUMBER 5798-AAQ
34	GB21-0046-0		SMF SELECTABLE ANALYZER FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAR
34	SB21-0047-0		OPERATING SYSTEM/360 SYSTEM MANAGEMENT FACILITY SELECTABLE ANALYZER - PROGRAM DESCRIPTION/OPERATION MANUAL PROGRAM NUMBER 5798-AAR
34	LB21-0048-1		OS SMF SELECTABLE ANALYZER SYSTEMS GUIDE, FDP PROG. NO. 5798-AAR
30	**GB21-0061-1# GB21-0061-0#		MINIMUM TELEPROCESSING COMMUNICATION SYSTEM (DOS) - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AAY
30	SB21-0062-1		MINIMUM TELEPROCESSING COMMUNICATIONS SYSTEM MANUAL PROGRAM NUMBER 5798-AAY
30	LB21-0063-0	LN20-6067	MINIMUM TELEPROCESSING COMMUNICATIONS SYSTEM: FDP SYSTEMS GUIDE, PROG. NO. 5798-AAY, FEATURE NO. 8021
36	GB21-0067-1# GB21-0067-0#		USER ROLLOUT/ROLLIN FOR SYSTEM/360 MODEL 22 & UP - FDP AVAILABILITY NOTICE - PROG. NO. 5798-ABA
36	SB21-0068-0		DISK OPERATING SYSTEM DYNAMIC ROLLOUT/ROLLIN FIELD DEVELOPED PROGRAM DESCRIPTION OPERATIONS MANUAL PROGRAM NUMBER 5798-ABA
36	LB21-0069-1		DISK OPERATING SYSTEM DYNAMIC ROLLOUT/ROLLIN PROGRAM NUMBER 5798-ABA - FIELD DEVELOPED PROGRAM SYSTEMS GUIDE
72	GB21-0157-0		PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING AND EVALUATION (PICTURE) - DOS - FDP AVAILABILITY NOTICE, PROG. NO. 5798-ACL
72	SB21-0158-0		PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING AND EVALUATION - PROGRAM NUMBER 5798-ACL PROGRAM DESCRIPTION/OPERATIONS MANUAL
72	LB21-0159-0	LN20-6068	PRODUCT AND INVENTORY COSTING WITH TRENDS FOR USER REPORTING AND EVALUATION - SYSTEMS GUIDE - PROGRAM NUMBER 5798-ACL

74	GB21-0229-0			SHAS PENDING INSURANCE CLAIMS ACCOUNTING PROGRAMS (DOS) FDP AVAILABILITY NOTICE, PROG. NO. 5798-ADN
74	SB21-0230-1#			SHAS PENDING INSURANCE CLAIMS - PROGRAM NUMBER 5798-ADN
74	LB21-0231-0	LN20-6015	LN20-6090	PROGRAM DESCRIPTION/OPERATIONS MANUAL SHAS PENDING INSURANCE CLAIMS - PROGRAM NUMBERS 5798-ADN
30	GB21-0238-0			FIELD DEVELOPED PROGRAM - SYSTEMS GUIDE DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES
30	SB21-0239-1#			FDP AVAILABILITY NOTICE - PROG. NO. 5798-ADT DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES
30	LB21-0240-1#			PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-ADT DOS 2311-2314/19 DASD DEVICE INDEPENDENCE ROUTINES
24	GB21-0283-0			SYSTEMS GUIDE - PROGRAM NUMBER 5798-ADT TSO ON-LINE COBOL SYMBOLIC DEBUG - FDP AVAILABILITY NOTICE
24	SB21-0284-2# SB21-0284-1#			PROGRAM NUMBER 5798-AEZ TSO ON-LINE COBOL SYMBOLIC DEBUG
24	LB21-0285-1			PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AEZ TSO ON-LINE COBOL SYMBOLIC DEBUG - SYSTEMS GUIDE
78	GB21-0313-0			PROGRAM NUMBER 5798-AEZ OS ROTABLE CONTROL PROGRAM - FIELD DEVELOPED PROGRAM
78	SB21-0314-0			AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AFA OS ROTABLE CONTROL PROGRAM - FIELD DEVELOPED PROGRAM
78	LB21-0315-0			DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AFA OS ROTABLE CONTROL PROGRAM - FIELD DEVELOPED PROGRAM
78	GB21-0316-0			SYSTEMS GUIDE - PROGRAM NUMBER 5798-AFA DOS ROTABLE CONTROL PROGRAM - FDP AVAILABILITY NOTICE, PROG.
78	SB21-0317-0			NO. 5798-AFC IBM DISK OPERATING SYSTEM/360 ROTABLE CONTROL PROGRAM
78	LB21-0318-0			FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AFC IBM DISK OPERATING SYSTEM/360 ROTABLE CONTROL PROGRAM
21	GB21-0334-1# GB21-0334-0# SB21-0335-3#			FIELD DEVELOPED PROGRAM SYSTEMS GUIDE PROGRAM NUMBER 5798-AFC IBM DISK OPERATING SYSTEM/360 ROTABLE CONTROL PROGRAM
21	LB21-0336-1#	LN20-6118	LN20-6183	FIELD DEVELOPED PROGRAM SYSTEMS GUIDE DOS TO OS ASSEMBLER MACRO CONVERSION, FDP 5798-AFL, NOTICE
24	GB21-0387-0			DOS TO OS ASSEMBLER LANGUAGE MACRO CONVERSION, FDP 5798-AFL DESCRIPTION/OPERATIONS
24	**SB21-0388-1# SB21-0388-0#	SN20-6205		DOS TO OS ASSEMBLER LANGUAGE MACRO CONVERSION - FIELD DEVELOPED PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER 5798-AFL
24	**LB21-0389-2# LB21-0389-1#			HONEYWELL 200 SERIES COBOL TO IBM ANS COBOL CONVERSION AIDS FDP AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AGC HONEYWELL 200 SERIES COBOL TO IBM ANS COBOL CONVERSION AID
81	GB21-0393-0			FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AGC HONEYWELL 200 SERIES COBOL TO IBM ANS COBOL CONVERSION AID
81	SB21-0394-0			FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER 5798-AGC IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL
81	LB21-0395-0			BUSINESS SIMULATION FOR APL/360 - PROGRAM NUMBER 5798-AGM FIELD DEVELOPED PROGRAM-AVAILABILITY NOTICE IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL
82	GB21-0399-0			BUSINESS SIMULATION FOR APL/360 - FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AGM
82	SB21-0400-0			IBGS - INTERACTIVE BUSINESS GAME SIMULATION - A GENERAL BUSINESS SIMULATION FOR APL/360 - FIELD DEVELOPED PROGRAM
82	LB21-0401-0			SYSTEMS GUIDE - PROGRAM NUMBER 5798-AGM APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 AVAILABILITY
82	GB21-0408-1			NOTICE - FDP NUMBER 5798-AGF APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 PROGRAM
82	SB21-0409-1# SB21-0409-0#			DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AGF APL COORDINATE GEOMETRY SYSTEM FOR SYSTEM/370 SYSTEMS GUIDE
82	LB21-0410-1# LB21-0410-0#			FDP NUMBER 5798-AGF ZEROS AND INTEGRALS IN APL FDP AVAILABILITY NOTICE - PROGRAM
30	GB21-0411-0			NUMBER 5798-AGJ ZEROS AND INTEGRALS IN APL FDP - PROGRAM
30	SB21-0412-0			DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AGJ ZEROS AND INTEGRALS IN APL FDP - SYSTEMS GUIDE - PROGRAM
30	LB21-0413-0			NUMBER 5798-AGJ GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360
22	GB21-0414-0			PROG. NO. 5798-AGK - FDP AVAILABILITY NOTICE GRAPHPAK - INTERACTIVE GRAPHICS PACKAGE FOR APL/360
22	SB21-0415-0			FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AGK
22	LB21-0416-0	**LN20-6259		PROGRAM NUMBER 5798-AGK FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE
72	GB21-0432-1			PROGRAM NUMBER 5798-AGK GRAPHS AND HISTOGRAMS IN APL AVAILABILITY NOTICE - FDP
72	SB21-0433-1			NUMBER 5798-AGL GRAPHS AND HISTOGRAMS IN APL PROGRAM DESCRIPTION/OPERATIONS
72	LB21-0434-1			MANUAL - FDP NUMBER 5798-AGL GRAPHS AND HISTOGRAMS IN APL SYSTEMS GUIDE - FDP NUMBER
79	GB21-0450-0			5798-AGL ANALYTICAL PROCESSING TECHNIQUE (APT) UNDER CP-67/CMS
79	SB21-0451-1			FDP AVAILABILITY NOTICE, PROG. NO. 5798-AGD APT UNDER CMS: FDP PROGRAM DESCRIPTION/OPERATIONS MANUAL, PROG. NO. 5798-AGD
				APT UNDER CP/CMS - PROGRAM NUMBER 5798-AGD
				FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE
				DOS TIME ACCOUNTING AND BILLING - FDP AVAILABILITY NOTICE, PROG. NO. 5798-AHB
				DOS TIME ACCOUNTING AND BILLING - FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AHB

79	LB21-0452-2#		DOS TIME ACCOUNTING AND BILLING - FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER 5798-AHB
24	GB21-0490-0		UNIVAC 9300 COBOL TO IBM ANS COBOL CONVERSION AID PROG. NO. 5798-AHP, FDP AVAILABILITY NOTICE
24	SB21-0491-1		UNIVAC 9300 COBOL TO IBM ANS COBOL CONVERSION AID FIELD DEVELOPED PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AHP
24	LB21-0492-0	LN20-6191	UNIVAC 9300 COBOL TO IBM ANS COBOL CONVERSION AID FIELD DEVELOPED PROGRAM-SYSTEMS GUIDE - PROGRAM NUMBER 5798-AHP
24	GB21-0493-1		RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360/370 AVAILABILITY NOTICE - FDP NUMBER 5798-AHT
24	SB21-0494-0		RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360,370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AHT
24	LB21-0495-0		RCA COBOL TO IBM ANS COBOL CONVERSION AID FOR SYSTEM/360,370 SYSTEMS GUIDE - FDP NUMBER 5798-AHT
81	**GB21-0505-1#		CUSTOMER INFORMATION FILE USING DOS/CICS
	GB21-0505-0#		FDP - AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AHX
81	SB21-0506-1#		CUSTOMER INFORMATION FILE USING DOS/CICS
	SB21-0506-0#		FDP - PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AHX
81	LB21-0507-1#		CUSTOMER INFORMATION FILE USING DOS/CICS
	LB21-0507-0#		FDP - SYSTEMS GUIDE - PROGRAM NUMBER 5798-AHX
79	GB21-0541-0		LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES FDP AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AJK
79	SB21-0542-0		LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AJK
79	LB21-0543-0		LEASE VS. PURCHASE ANALYSIS OF CAPITAL EXPENDITURES SYSTEMS GUIDE - FDP NUMBER 5798-AJK
40	GB21-0553-0		OPERATOR TRAINING - DOS CONSOLE SIMULATION DRILLS: BASIC TRAINING COURSE A3609 (PROG. NO. 5798-AJM), CUSTOMER PROBLEM DETERMINATION COURSE A3611 (PROG. NO. 5798-AJN), AND MULTIPROGRAMMING COURSE A3612 (PROG. NO. 5798-AJP) FIELD DEVELOPED PROGRAMS-AVAILABILITY NOTICE
40	SB21-0554-0		DOS BASIC OPERATOR TRAINING - PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AJM
40	LB21-0555-0		DOS BASIC OPERATOR TRAINING - SYSTEMS GUIDE
40	SB21-0557-0		FIELD DEVELOPED PROGRAM - PROGRAM NUMBER 5798-AJM
40	LB21-0558-0		DOS CUSTOMER PROBLEM DETERMINATION OPERATOR TRAINING PROGRAM DESCRIPTION/OPERATIONS MANUAL - FIELD DEVELOPED PROGRAM - PROGRAM NUMBER 5798-AJN
40	SB21-0560-0		DOS CUSTOMER PROBLEM DETERMINATION OPERATOR TRAINING FIELD DEVELOPED PROGRAM SYSTEMS GUIDE - PROGRAM NUMBER 5798-AJN
40	LB21-0561-0		DOS MULTIPROGRAMMING OPERATOR TRAINING - FIELD DEVELOPED PROGRAM - PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5798-AJP
40	GB21-0574-0		DOS MULTIPROGRAMMING OPERATOR TRAINING - SYSTEMS GUIDE
36	GB21-0574-0		FIELD DEVELOPED PROGRAM - PROGRAM NUMBER 5798-AJP
36	SB21-0575-0		OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER CONVERSION AND REPLACEMENT (DDPREP) AVAILABILITY NOTICE FDP NUMBER 5798-AJU
36	LB21-0576-0		OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER CONVERSION AND REPLACEMENT (DDPREP) PROGRAM DESCRIPTION/ OPERATIONS MANUAL - FDP NUMBER 5798-AJU
32	GB21-0610-0		OS/360/370 JOB CONTROL LANGUAGE DEVICE DEPENDENT PARAMETER CONVERSION AND REPLACEMENT (DDPREP) - SYSTEMS GUIDE - FDP NUMBER 5798-AJU
32	SB21-0611-0		2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-AKH
32	LB21-0612-0		2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360,370 PROGRAM DESCRIPTION/OPERATIONS MANUAL FDP NUMBER 5798-AKH
30	GB21-0620-1		2927 TAPE TO PRINTER UTILITY FOR SYSTEM/360,370 SYSTEMS GUIDE - FDP NUMBER 5798-AKH
30	SB21-0621-0		3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - AVAILABILITY NOTICE - PROGRAM NUMBER 5798-AKL
30	LB21-0622-2		3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5798-AKL
37	GB21-0635-0		3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP - SYSTEMS GUIDE - PROGRAM NUMBER 5798-AKL
37	**SB21-0636-1#		ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-AKR
	SB21-0636-0#	SN20-6215	ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AKR
37	LB21-0637-0		ERROR STATISTICS BY VOLUME FOR SYSTEM/360, 370 SYSTEMS GUIDE FDP NUMBER 5798-AKR
79	GB21-0638-1		DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360 AVAILABILITY NOTICE - FDP NUMBER 5798-AKS
79	SB21-0639-0	SN20-6120	DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AKS
79	LB21-0640-0	LN20-6121	DATA EDITING AND FORMATTING AIDS FOR SYSTEM/360 SYSTEMS GUIDE - FDP NUMBER 5798-AKS
32	GB21-0671-1#		DOS/OS 3735 COMMUNICATIONS UTILITY FOR SYSTEM/360,370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALG
32	GB21-0671-0#		DOS/OS COMMUNICATIONS UTILITY FOR SYSTEM/360,370 - PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALG
32	SB21-0672-1	**SN20-6219	DOS/OS COMMUNICATIONS UTILITY FOR SYSTEM/360,370 SYSTEMS GUIDE - FDP NUMBER 5798-ALG
32	LB21-0673-1#		CREDIT UNION SYSTEM/360/370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALJ
	LB21-0673-0#		
67	GB21-0677-0		CREDIT UNION SYSTEM/360/370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALJ
67	SB21-0678-0		CREDIT UNION SYSTEM/360/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALJ

67	LB21-0679-0			CREDIT UNION SYSTEM/360/370 SYSTEMS GUIDE - FDP NUMBER 5798-ALJ
30	**GB21-0683-2			MINIMUM TELE-COMMUNICATION SYSTEM FOR S/370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALN
30	**SB21-0684-2			MINIMUM TELE-COMMUNICATION SYSTEM FOR S/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALN
30	**LB21-0685-1			MINIMUM TELE-COMMUNICATION SYSTEM FOR S/370 SYSTEMS GUIDE FDP NUMBER 5798-ALN
30	GB21-0686-2			DOS 2311/14/19 - 3330 DASD DEVICE INDEPENDENCE ROUTINES AVAILABILITY NOTICE - FDP NUMBER 5798-ALK
30	SB21-0687-1			DOS 2311/14/19-3330 DASD DEVICE INDEPENDENCE ROUTINES PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALK
30	LB21-0688-0			DOS 2311/14/19-3330 DASD DEVICE INDEPENDENCE ROUTINES SYSTEMS GUIDE - FDP NUMBER 5798-ALK
21	GB21-0704-0			BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM DOS ALC CONVERSION AID FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-AMC
21	SB21-0705-0			BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM DOS ALC CONVERSION AID FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMC
21	LB21-0706-0			BURROUGHS 100/200/300/500 BASIC ASSEMBLER LANGUAGE TO IBM DOS ALC CONVERSION AID FOR SYSTEM/360, 370 SYSTEMS GUIDE FDP NUMBER 5798-AMC
64	GB21-0734-0			ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360 FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ALY
64	SB21-0735-0			ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360 FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ALY
64	LB21-0736-0	LN20-6155		ARITHMETIC PROFICIENCY TRAINING PROGRAM USING SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ALY
30	**GB21-0740-1			DOS 3330 DATA SET CONVERSION AID AVAILABILITY NOTICE - FDP NUMBER 5798-AMN
30	**SB21-0741-1			DOS 3330 DATA SET CONVERSION AID PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMN
30	**LB21-0742-1			DOS 3330 DATA SET CONVERSION AID SYSTEMS GUIDE - FDP NUMBER 5798-AMN
81	GB21-0749-0			CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VS1 AVAILABILITY NOTICE - FDP NUMBER 5798-AMR
81	SB21-0750-0			CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VS1 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AMR
81	LB21-0751-0	LN20-6172	LN20-6208	CUSTOMER INFORMATION FILE (CIF) USING CICS UNDER OS/VS1 SYSTEM GUIDE - FDP NUMBER 5798-AMR
30	GB21-0761-0			STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ANE
30	SB21-0762-0	SN20-6225		STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING AID FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL FDP NUMBER 5798-ANE
30	LB21-0763-0			STREAM - A3270 INFORMATION DISPLAY SYSTEM PROGRAMMING AID FOR SYSTEM/360,370 SYSTEMS GUIDE - FDP NUMBER 5798-ANE
67	GB21-0764-0			TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE AVAILABILITY NOTICE - FDP NUMBER 5798-AND
67	SB21-0765-0	SN20-6173		TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AND
67	LB21-0766-0			TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 ONLINE SYSTEMS GUIDE - FDP NUMBER 5798-AND
67	GB21-0776-0			TELLER CONTROL SYSTEM FOR SYSTEM/370 (OS) AVAILABILITY NOTICE - FDP NUMBER 5798-ANH
67	SB21-0777-0			TELLER CONTROL SYSTEM FOR SYSTEM/370 (OS): FDP 5798-ANH DESCRIPTION/OPERATIONS
67	LB21-0778-0			TELLER CONTROL SYSTEM FOR SYSTEM/370 (OS) SYSTEMS GUIDE FDP NUMBER 5798-ANH
81	GB21-0800-0			CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ANK
81	SB21-0801-1			CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ANK
81	LB21-0802-1#			CPU CONSOLE AS SYSTEM/360, 370 CICS MASTER TERMINAL FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ANK
24	GB21-0836-0			BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID AVAILABILITY NOTICE - FDP NUMBER 5798-APH
24	SB21-0837-0			BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-APH
24	LB21-0838-0			BURROUGHS 2500 SERIES COBOL TO IBM ANS COBOL CONVERSION AID SYSTEMS GUIDE - FDP NUMBER 5798-APH
24	GB21-0839-0			IBM ANS COBOL CONVERSION AID FOR NCR CENTURY COBOL FOR SYSTEM/360/370 AVAILABILITY NOTICE - FDP NUMBER 5798-APG
24	SB21-0840-0			IBM ANS COBOL CONVERSION AID FOR NCR CENTURY COBOL FOR SYSTEM/360/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-APG
24	LB21-0841-0			IBM ANS COBOL CONVERSION AID FOR NCR CENTURY COBOL FOR SYSTEM/360/370 SYSTEMS GUIDE - FDP NUMBER 5798-APG
67	SB21-0852-0			THE TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 OFF-LINE PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-APX
67	LB21-0853-0			TELLER CONTROL SYSTEM UNDER CICS/DOS/360-370 OFF-LINE SYSTEMS GUIDE - FDP NUMBER 5798-APX
32	GB21-0857-0			OS/DITTO AVAILABILITY NOTICE - FDP NUMBER 5798-ARD
32	SB21-0858-0			OS/DITTO PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ARD
32	LB21-0859-0			OS/DITTO SYSTEMS GUIDE - FDP NUMBER 5798-ARD
32	GB21-0875-2			DOS/DITTO FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ARN
32	SB21-0876-1			DOS/DITTO FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ARN

32	LB21-0877-1		DOS/DITTO FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ARN
32	GB21-0890-0		DOS FILE GENERATION UTILITY AVAILABILITY NOTICE - FDP NUMBER 5798-ARX
32	SB21-0891-0		DOS FILE GENERATION UTILITY PDOM - FDP NUMBER 5798-ARX
32	LB21-0892-0		DOS FILE GENERATION UTILITY SYSTEMS GUIDE - FDP NUMBER 5798-ARX
80	GB21-0908-1		IMS/360 2260-3270 CONVERSION AID FOR SYSTEM/360, 370 AVAILABILITY NOTICE - FDP NUMBER 5798-ASG
80	SB21-0909-0	SN20-6179	IMS/360 2260-3270 CONVERSION AID FOR SYSTEM/360, 370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ASG
80	LB21-0910-0	LN20-6189	IMS/360 2260-3270 CONVERSION AID FOR SYSTEM/360, 370 SYSTEMS GUIDE - FDP NUMBER 5798-ASG
24	GB21-0914-0		IBM ANS COBOL FROM GE-415 COBOL CONVERSION AID FDP 5798-ASY, NOTICE
24	**SB21-0915-0		IBM ANS COBOL FROM GE-415 COBOL CONVERSION AID FDP 5798-ASY DESCRIPTION/OPERATIONS
24	LB21-0916-0		IBM ANS COBOL FROM GE-415 COBOL CONVERSION AID FDP 5798-ASY SYSTEMS GUIDE
74	GB21-0935-0		HEALTH CARE SUPPORT/ADMISSIONS SYSTEM FOR SYSTEM/370: AVAILABILITY NOTICE - FDP NUMBER 5798-ASZ
74	**SB21-0936-1		HEALTH CARE SUPPORT/ADMISSIONS SYSTEM FOR SYSTEM/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ASZ
74	**LB21-0937-0	**LN20-6244	HEALTH CARE SUPPORT/ADMISSIONS SYSTEM FOR SYSTEM/370 SYSTEMS GUIDE - FDP NUMBER 5798-ASZ
79	GB21-0938-0		DATA COMPRESSION/EXPANSION FOR S/360/370 AVAILABILITY NOTICE FDP NUMBER 5798-ATB
79	SB21-0939-0		DATA COMPRESSION/EXPANSION FOR S/360/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATB
74	**GB21-0963-1#		HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370 AVAILABILITY NOTICE - FDP NUMBER 5798-ATR
	GB21-0963-0#		
74	SB21-0964-0		HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATR
74	LB21-0965-0		HEALTH CARE SUPPORT/PATIENT HISTORY SYSTEM FOR SYSTEM/370 SYSTEMS GUIDE - FDP NUMBER 5798-ATR
72	GB21-0975-0		INTERACTIVE PLOTTING POST PROCESSOR FOR APT UNDER CMS AVAILABILITY NOTICE - FDP NUMBER 5798-ARX
72	SB21-0976-0		INTERACTIVE PLOTTING POST PROCESSOR FOR APT UNDER CMS PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATX
63	GB21-0978-0		DISTRIBUTION SYSTEM SIMULATOR (DSS) FOR SYSTEM/360-370 AVAILABILITY NOTICE - FDP NUMBER 5798-ATY
63	SB21-0979-0	**SN20-6245	DISTRIBUTION SYSTEM SIMULATOR (DSS) FOR SYSTEM/360-370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-ATY
63	LB21-0980-0		DISTRIBUTION SYSTEM SIMULATOR (DSS) FOR SYSTEM/360-370 SYSTEMS GUIDE - FDP NUMBER 5798-ATY
63	GB21-0984-0		APPAREL CUT SCHEDULING FOR SYSTEM/3 MODEL 10 OR SYSTEM/360/370/DOS AVAILABILITY NOTICE - FDP NUMBER 5798-AWA
63	SB21-0985-0		APPAREL CUT SCHEDULING FOR SYSTEM/3 MODEL 10 OR SYSTEM/360/370/DOS PROGRAM DESCRIPTION/OPERATIONS MANUAL FDP NUMBER 5798-AWA
63	LB21-0986-0		APPAREL CUT SCHEDULING FOR SYSTEM/3 MODEL 10 OR SYSTEM/360/370/DOS SYSTEMS GUIDE - FDP NUMBER 5798-AWA
71	**GB21-0987-0		ALPHA SEARCH INQUIRY SYSTEM/IMS INTERFACE
71	**SB21-0988-0		ALPHA SEARCH INQUIRY SYSTEM/IMS INTERFACE - FDP 5798-AWB DESCRIPTION/OPERATIONS
71	**LB21-0989-0		ALPHA SEARCH INQUIRY SYSTEM/IMS INTERFACE - FDP 5798-AWB SYSTEMS GUIDE
72	**GB21-0996-1#		PEGGED REQUIREMENTS/REQUIREMENTS PLANNING SYSTEM/360/370/DOS AVAILABILITY NOTICE - FDP NUMBER 5798-AWE
	GB21-0996-0#		
72	SB21-0997-0		PEGGED REQUIREMENTS/REQUIREMENTS PLANNING SYSTEM/360/370/DOS PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AWE
72	LB21-0998-0		PEGGED REQUIREMENTS/REQUIREMENTS PLANNING SYSTEM/360/370/DOS SYSTEMS GUIDE - FDP NUMBER 5798-AWE
24	GB21-0999-0		DOS SOURCE STATEMENT LIBRARY MAINTENANCE FOR ANS COBOL ON SYSTEM/370 AVAILABILITY NOTICE - FDP NUMBER 5798-AWD
24	SB21-1000-0		DOS SOURCE STATEMENT LIBRARY MAINTENANCE FOR ANS COBOL ON SYSTEM/370 PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AWD
24	LB21-1001-0		DOS SOURCE STATEMENT LIBRARY MAINTENANCE FOR ANS COBOL ON SYSTEM/370 SYSTEMS GUIDE - FDP NUMBER 5798-AWD
30	GB21-1002-0		DOS/VS DASD DEVICE INDEPENDENCE OPEN (DI OPEN) AVAILABILITY NOTICE - FDP # 5798-AWH
30	SB21-1003-1		DOS/VS DASD DEVICE INDEPENDENCE OPEN (DI OPEN) PROGRAM DESCRIPTION/OPERATIONS MANUAL - FDP NUMBER 5798-AWH
30	LB21-1004-1		DOS/VS DASD DEVICE INDEPENDENCE OPEN (DI OPEN) SYSTEMS GUIDE FDP NUMBER 5798-AWH
21	GB21-1008-0		DOS/VS ASSEMBLER TESTING AID - FDP NUMBER 5798-AWJ NOTICE
21	SB21-1009-0		DOS/VS ASSEMBLER TESTING AID - FDP NUMBER 5798-AWJ DESCRIPTION/OPERATIONS
21	LB21-1010-0		DOS/VS ASSEMBLER TESTING AID - FDP NUMBER 5798-AWJ SYSTEMS GUIDE
81	GB21-1035-2		CICS/3270 SIMULATOR (5798-AXC), CICS DYNAMIC MAP (5798-AXR), AND CICS PERFORMANCE ANALYZER (5798-AZN): 3 FDP'S NOTICE
81	**SB21-1036-0		CICS/3270 SIMULATOR - FDP 5798-AXC DESCRIPTION/OPERATIONS
67	**GB21-1038-0		CUSTOMER INFORMATION FILE (CIF) USING IMS DB/DC FOR SYSTEM/370 - FDP 5798-AWZ NOTICE
67	**SB21-1039-0		CUSTOMER INFORMATION FILE (CIF) USING IMS DB/DC FOR SYSTEM/370 - FDP 5798-AWZ DESCRIPTION/OPERATIONS
67	**LB21-1040-0		CUSTOMER INFORMATION FILE (CIF) USING IMS DB/DC FOR SYSTEM/370 - FDP 5798-AWZ SYSTEMS GUIDE
67	**LB21-1041-0		CUSTOMER INFORMATION FILE (CIF) USING IMS DB/DC FOR SYSTEM/370 (5798-AWZ) FDP - TERMINAL OPERATOR'S GUIDE



71	**GB21-1044-0			CFO II - DL/I INTERFACE - FDP 5798-AXW - NOTICE
71	**SB21-1045-0			CFO II - DL/I INTERFACE - FDP 5798-AXW
74	LB21-1061-0			DESCRIPTION/OPERATIONS
74	GB21-1062-1			SYSTEM/370 SUPPORT FOR THE ECG SIGNAL ACQUISITION SYSTEM
74	SB21-1063-0			FDP 5798-AXF - SYSTEMS GUIDE
74	GB21-1065-0			SYSTEM/370 SUPPORT FOR THE ECG SIGNAL ACQUISITION SYSTEM
74	SB21-1066-0	**SN20-6243	**SN20-6265	FDP 5798-AXF, AXG - NOTICE
74	LB21-1067-0			SYSTEM/370 SUPPORT FOR THE ECG SIGNAL ACQUISITION SYSTEM
81	**SB21-1075-1	**SN20-6263	**SN20-6266	FDP'S 5798-AXF, 5798-AXG DESCRIPTION/OPERATIONS
75	GB21-1083-0			HEALTH CARE SUPPORT/PHARMACY ORDER ENTRY & ADMINISTRATIVE
75	SB21-1084-0			SYSTEM - FDP 5798-AXQ, NOTICE
75	LB21-1085-0			HEALTH CARE SUPPORT/PHARMACY ORDER ENTRY & ADMINISTRATIVE
80	**GB21-1092-0			SYSTEM - DESCRIPTION/OPERATIONS - FDP 5798-AZQ
80	GB21-1104-1	**SN20-6255		HEALTH CARE SUPPORT/PHARMACY ORDER ENTRY & ADMINISTRATIVE
80	**SB21-1105-1			SYSTEM - SYSTEMS GUIDE - FDP 5798-AXQ
80	LB21-1106-0			CICS DYNAMIC MAP - FDP 5798-AXR
79	GB21-1110-0			DESCRIPTION/OPERATIONS
79	SB21-1111-0			COLOR MATCHING (DYE SELECTION AND FORMULATION)
74	GB21-1113-0			FDP 5798-AXL, AXK, AXN, AXP - NOTICE
74	SB21-1114-1			COLOR MATCHING (DYE SELECTION AND FORMULATION)
74	LB21-1115-1			FDP'S 5798-AXK, L, N, & P DESCRIPTION/OPERATIONS
39	**GB21-1122-0			COLOR MATCHING (DYE SELECTION AND FORMULATION)
30	GB21-1134-0			FDP 5798-AXL, AXK, AXN, AXP - SYSTEMS GUIDE
30	SB21-1135-0			LOW LEVEL CODING AND CONTINUITY CHECKING - FDP 5798-AYN
30	LB21-1136-0			COBIMS - FDP 5798-AYK - AVAILABILITY NOTICE
81	GB21-1137-0			COBIMS - FDP 5798-AYK - DESCRIPTION/OPERATIONS
74	GB21-1155-0			COBIMS - FDP 5798-AYK - SYSTEMS GUIDE
74	SB21-1156-0			VM/370 CONTROL AND ACCOUNTING PROGRAMS - FDP 5798-AYP
74	SB21-1157-0			NOTICE
74	LB21-1158-0			VM/370 CONTROL AND ACCOUNTING PROGRAMS - FDP 5798-AYP
81	**SB21-1181-1	**SN20-6262		DESCRIPTION/OPERATIONS
32	GB21-1195-0			HEALTH CARE SUPPORT/HOSPITAL ORDER COMMUNICATIONS SYSTEM
32	SB21-1196-0			FDP 5798-AYG NOTICE
32	LB21-1197-0			HEALTH CARE SUPPORT/HOSPITAL ORDER COMMUNICATIONS SYSTEM
70	**GB21-1198-0			FDP - 5798-AYG DESCRIPTION/OPERATIONS
70	**SB21-1199-0			HEALTH CARE SUPPORT/HOSPITAL ORDER COMMUNICATIONS SYSTEM
70	**LB21-1200-0			FDP 5798-AYG - SYSTEMS GUIDE
67	GB21-1201-0			TSO COMMAND PROCESSOR - FDP 5798-AYF NOTICE
67	SB21-1202-0			AUTOMATIC LINE SPEED SELECTION FOR IBM 3704/3705
67	LB21-1203-0			FDP 5798-AYR, NOTICE
30	**GB21-1210-0			AUTOMATIC LINE SPEED SELECTION FOR 3704/3705
30	**SB21-1211-0			FDP 5798-AYR DESCRIPTION/OPERATIONS
30	**LB21-1212-0			AUTOMATIC LINE SPEED SELECTION FOR IBM 3704/3705
80	**GB21-1225-0			FDP 5798-AYR SYSTEMS GUIDE
80	**SB21-1226-0			STATISTICS GENERATING PACKAGE - NOTICE
38	**GB21-1249-0			FDP 5798-AYY
38	**SB21-1250-0	**SN20-6264		HEALTH CARE SUPPORT/PHARMACY INVENTORY & STOCK TRANSFER
38	**LB21-1251-0			SYSTEM - NOTICE 5798-AZJ
80	**GB21-1255-0			HEALTH CARE SUPPORT/PHARMACY INVENTORY & STOCK TRANSFER
80	**SB21-1256-0	**SN20-6258		SYSTEM - DESCRIPTION/OPERATIONS FDP 5798-AZJ
80	**LB21-1257-0	**LN20-6257		HEALTH CARE SUPPORT/PHARMACY INVENTORY & STOCK TRANSFER
39	**GB21-1273-0			HEALTH CARE SUPPORT/PHARMACY INVENTORY & STOCK TRANSFER
39	**LB21-1275-0			SYSTEM - TERMINAL OPERATOR'S GUIDE FDP 5798-AZJ
				HEALTH CARE SUPPORT/PHARMACY INVENTORY & STOCK TRANSFER
				SYSTEM FDP 5798-AZJ SYSTEMS GUIDE
				CICS PERFORMANCE ANALYZER - FDP 5798-AZN
				DESCRIPTION/OPERATIONS
				UTILITY DATA REDUCTION SUBROUTINES FOR S/360-370
				FDP 5798-AZW, NOTICE
				UTILITY DATA REDUCTION SUBROUTINES FOR S/360-370
				FDP 5798-AZW DESCRIPTIONS/OPERATIONS
				UTILITY DATA REDUCTION SUBROUTINES FOR S/360-370
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				SYSTEMS/370 JUSTICE SYSTEM FDP 5798-AZX, NOTICE
				SYSTEM/370 JUSTICE SYSTEM FDP 5798-AZX
				DESCRIPTION/OPERATIONS
				SYSTEM/370 JUSTICE SYSTEM FDP 5798-AZX, SYSTEMS GUIDE
				BASE CUSTOMER ACCOUNT STATUS AND SEGREGATION SYSTEM
				FDP 5798-BAX, DESCRIPTION/OPERATIONS
				BASE CUSTOMER ACCOUNT STATUS AND SEGREGATION SYSTEM
				FDP - 5798-BAX - DESCRIPTION/OPERATIONS
				BASE CUSTOMER ACCOUNT STATUS AND SEGREGATION SYSTEM
				FDP 5798-BAX SYSTEMS GUIDE
				ON-LINE PREPARATION OF VIDEO/370 FORMATS
				FDP 5798-BAC, NOTICE
				ON-LINE PREPARATION OF VIDEO/370 FORMATS
				FDP 5798-BAC, DESCRIPTION/OPERATIONS
				ON-LINE PREPARATION OF VIDEO/370 FORMATS
				FDP 5798-BAC - SYSTEMS GUIDE
				BOMP/DBOMP EMULATION INTERFACE TO THE BILL PROCESSOR SYSTEMS
				IMS/360 BRIDGE - 5798-BAQ
				BOMP/DBOMP EMULATION INTERFACE TO THE BILL PROCESSOR SYSTEM
				IMS/369 BRIDGE - FDP 5798-BAQ DESCRIPTION/OPERATIONS
				DOS/VS POWER WORKSTATION SUPPORT FOR THE IBM 2922
				FDP 5798-BBY - NOTICE
				DOS/VS POWER WORKSTATION SUPPORT FOR THE IBM 2922
				FDP 5798-BBY - DESCRIPTION/OPERATIONS
				DOS/VS POWER WORKSTATION SUPPORT FOR THE IBM 2922
				FDP 5798-BBY
				IMS DICTIONARY SYSTEM - FDP 5798-BBA - NOTICE
				IMS DICTIONARY SYSTEM - FDP 5798-BBA DESCRIPTION/OPERATIONS
				IMS DICTIONARY SYSTEM - FDP 5798-BBA - SYSTEMS GUIDE
				TSO/VS2 PROGRAMMING CONTROL FACILITY - FDP 5798-BBJ - NOTICE
				TSO/VS2 PROGRAMMING CONTROL FACILITY - FDP 5798-BBJ
				SYSTEMS GUIDE

30	GB21-1291-0			3330 DEVICE SUPPORT EXTENDED-S/370 OS/MFT/MVT FDP 5798-BCE NOTICE
30	**SB21-1292-1#			3330 DEVICE SUPPORT EXTENDED S/370 OS/MFT/MVT
	SB21-1292-0#			FDP 5798-BCE DESCRIPTION/OPERATIONS
40	**GB21-1294-0			OS/VS2 RELEASE 1 STORAGE UTILIZATION DISPLAY PROGRAM
				FDP 5798-BCL, NOTICE
40	**SB21-1295-0			OS/VS2 RELEASE 1 STORAGE UTILIZATION DISPLAY PROGRAM
				FDP 5798-BCL DESCRIPTION/OPERATIONS
40	**LB21-1296-0			OS/VS2 RELEASE 1 STORAGE UTILIZATION DISPLAY PROGRAM
				FDP 5798-BCL - SYSTEMS GUIDE
81	**SB21-1305-0			CUSTOMER INFORMATION FILE OS/DOS FDP'S 5798-AHX, 5798-AMR
80	**GB21-1336-0			IMS DC MONITOR FDP 5798-BDF, NOTICE
80	**SB21-1337-0			IMS DC MONITOR - FDP 5798-BDF, DESCRIPTION/OPERATIONS
80	**LB21-1338-0			IMS DC MONITOR-FDP 5798-BDF SYSTEMS GUIDE
30	**GB21-1342-0			3890 DOS/VS APPLICATION/INSTALLATION SUPPORT (5798-BDC)
				FDP AVAILABILITY NOTICE
30	**SB21-1343-0			3890 DOS/VS APPLICATION/INSTALLATION SUPPORT - FDP 5798-BDC,
				DESCRIPTION/OPERATIONS
33	**GB21-1361-0			DOS/VS SORT FOR 1400 FILES FDP 5798-BDH, NOTICE
33	**SB21-1362-0			DOS/VS SORT FOR 1400 FILES FDP 5798-BDH,
				DESCRIPTION/OPERATIONS
33	**LB21-1363-0			DOS/VS SORT FOR 1400 FILES FDP 5798-BDH SYSTEMS GUIDE
79	**GB21-1367-0			INTERACTIVE TRAINING SYSTEM/TCAM INTERFACE (5798-BDP)
				FDP 5798-BDP, NOTICE
79	**SB21-1368-0			INTERACTIVE TRAINING SYSTEM/TCAM INTERFACE FDP 5798-BDP
				DESCRIPTION/OPERATIONS
79	**LB21-1369-0			INTERACTIVE TRAINING SYSTEM/TCAM INTERFACE FDP 5798-BDP
				SYSTEMS GUIDE
81	**GB21-1373-0			CICS SOURCE PROGRAM MAINTENANCE ON-LINE - FDP 5798-BDT,
				NOTICE
81	**SB21-1374-0			CICS SOURCE PROGRAM MAINTENANCE ON-LINE FDP 5798-BDT
				DESCRIPTION/OPERATIONS
33	**GB21-1376-0			CMS SORT FOR VM/370 FDP 5798-BDW, NOTICE
33	**SB21-1377-0			CMS SORT FOR VM/370 FDP 5798-BDW DESCRIPTION/OPERATIONS
33	**LB21-1378-0			CMS SORT FOR VM/370 FDP 5798-BDW SYSTEMS GUIDE
73	**GB21-9915-0			TERMTEXT FORMAT - IUP 5796-PBR, GENERAL INFORMATION
81	**GB21-9922-1			STATISTICS GENERATING REPORT BROCHURE - FDP 5798-AYY
64	GB21-9936-0			STUDENT RESPONSE ANALYSIS PROCESSOR (STRAP) OHIO STATE
				UNIVERSITY COLUMBUS, OHIO - REPORT BROCHURE IUP # 5796-ACX
63	GB21-9937-0			IBM WAREHOUSE SIMULATOR SYSTEM/360/370: IUP 5796-PBK REPORT
				BROCHURE
79	GB21-9945-0			DATA EDITING AND FORMATTING AIDS FOR S/360/370 REFERENCE
				CARD - FDP NUMBER 5798-ARKS
81	GB21-9947-0			S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS)
				MARKETING MATERIALS FOLDER - IUP NUMBER 5796-ABF
85	GB21-9949-2			IBM CUSTOMER INFORMATION FDP/IUP REFERENCE SUMMARY
78	GB21-9981-0			VEHICLE MAINTENANCE AND COST ANALYSIS SYSTEM - MARKETING
				GUIDE - PROGRAM NUMBER 5798-AAG
24	GB21-9985-0			TIME SHARING OPTION ON-LINE COBOL SYMBOLIC DEBUG REQUESTS
				REFERENCE CARD FOR FDP 5798-AEZ
34	GB21-9986-0			SMF SELECTABLE ANALYZER AND ACCOUNTING FOR DP OPERATIONS
				REPORT BROCHURE, FDP 5798-AAR
21	**LCB6-3772-2			IBM SYSTEM/360 OS ASSEMBLER H - PROGRAM NUMBER 5734-AS1
33	LCB8-6757-2			SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE
				PROGRAM NUMBER 5736-SM1
14	GCB8-6796-0			IBM 2947-4 CHECK COLLECTION CONTROLLER (RPQ #888264)
				SEQUENTIAL ACCESS METHOD (CSAM) MAIN MODULE-DOS
				MICROFICHE LISTING, PROG. NO. 5799-WAF
14	GCB8-6797-0			IBM 2947-4 CHECK COLLECTION CONTROLLER (RPQ #888264)
				SEQUENTIAL ACCESS METHOD (CSAM) ERR MODULE-DOS
				MICROFICHE LISTING - PROGRAM NUMBER 5799-WAF
14	GCB8-6798-0			IBM 2947-4 CHECK COLLECTION CONTROLLER (RPQ #888264)
				SEQUENTIAL ACCESS METHOD (CSAM) MAIN MODULE-OS
				MICROFICHE LISTING - PROGRAM NUMBER 5799-WAG
14	GCB8-6799-0			IBM 2947-4 CHECK COLLECTION CONTROLLER (RPQ #888264)
				SEQUENTIAL ACCESS METHOD (CSAM) ERR MODULE-OS
				MICROFICHE LISTING - PROGRAM NUMBER 5799-WAG
80	SC09-0007-2			VANDL-1 PRQ DESCRIPTION AND OPERATION MANUAL (VANCOUVER
				DATA LANGUAGE ONE) - PROGRAM NUMBER 5799-AEY
15	**GC19-0001-6			IBM SYSTEM/360 WORLD TRADE INSTALLATION MANUAL-PHYSICAL
				PLANNING
15	GC19-0004-2	GN19-0133	GN19-0135	IBM SYSTEM/370 INSTALLATION MANUAL -- PHYSICAL PLANNING
00	**GC20-0001-0			VIRTUAL STORAGE SUPPLEMENT (TO IBM SYSTEM/360 AND
				SYSTEM/370 BIBLIOGRAPHY)
85	GC20-1618-5#			NUMBER SYSTEMS - STUDENT TEXT
20	GC20-1619-8	GN20-0030-30		CATALOG OF PROGRAMS FOR IBM SYSTEM/360 MODELS 25 AND ABOVE
85	SC20-1637-3			A GUIDE TO PL/I FOR FORTRAN USERS
85	SC20-1646-6			A PROGRAMMER'S INTRODUCTION TO
				IBM SYSTEM/360 ASSEMBLER LANGUAGE
85	GC20-1649-7	**GN23-0840		INTRODUCTION TO IBM SYSTEM/360 DIRECT ACCESS STORAGE DEVICES
				AND ORGANIZATION METHODS
85	SC20-1651-2			A GUIDE TO PL/I FOR COMMERCIAL PROGRAMMERS
				COURSE CODE P3668
85	**GC20-1663-1			OS DEVELOPMENT SUPPORT LIBRARIES
85	GC20-1667-1			INTRODUCTION TO IBM SYSTEM/360 ARCHITECTURE
85	**GC20-1668-2			DATA COMMUNICATIONS PRIMER
85	GC20-1684-3#			INTRODUCTION TO IBM DATA PROCESSING SYSTEMS
36	GC20-1685-1			SYSTEM/360 DISK OPERATING SYSTEM USER'S GUIDE: CONTROL
				STATEMENT TECHNIQUES
04	GC20-1686-3	GN20-3152		OCR INPUT PREPARATION GUIDE FOR THE IBM 1287/1288 OPTICAL
				CHARACTER READERS
06	GC20-1688-3#			IBM 2260 DISPLAY STATION OPERATOR MANUAL
85	GC20-1699-4			DATA PROCESSING GLOSSARY

85	GC20-1706-1			COURSEWRITER III (VERSION 2) STUDENT TEXT, PROG. NO. 360A-UX-01X
01	**GC20-1729-3			A GUIDE TO THE IBM SYSTEM/370 MODEL 155
01	**GC20-1730-3			A GUIDE TO THE IBM SYSTEM/370 MODEL 165
04	GC20-1733-0			IBM 1287/1288 OCR ERROR RECOVERY GUIDE
01	**GC20-1734-3			A GUIDE TO THE IBM SYSTEM/370 MODEL 145
01	**GC20-1738-5			A GUIDE TO THE IBM SYSTEM/370 MODEL 135
04	GC20-1739-0			HANDPRINTING CONSIDERATIONS FOR THE IBM 1287/1288 OPTICAL CHARACTER READERS
60	**GC20-1740-3			STATE AND LOCAL GOVERNMENT INDUSTRIES BIBLIOGRAPHY
85	**GC20-1744-1			COURSEWRITER III, VERSION 3 STUDENT TEXT
60	**GC20-1747-1			PROGRAM NUMBERS 5734-E13, 5736-E11 EDUCATION INDUSTRY BIBLIOGRAPHY
04	GC20-1751-0			IBM 3881 OPTICAL MARK READER SYSTEMS DESIGN GUIDE
01	**GC20-1754-1			A GUIDE TO THE IBM SYSTEM/370 MODEL 158
01	**GC20-1755-1			A GUIDE TO THE IBM SYSTEM/370 MODEL 168
04	GC20-1760-0			IBM 3886 OPTICAL CHARACTER READER FORMS KIT
13	**GC20-1767-0			OPTICAL MARK READ/CARD PRINT APPLICATION SOLUTIONS IBM 3504 and 3505 CARD READERS IBM 3525 CARD PUNCH
60	**GC20-1769-0			FINANCE AND SECURITIES INDUSTRIES BIBLIOGRAPHY
85	SC20-8092-1			SYSTEM/360 DOS OPERATION TRAINING MANUAL: STUDENT TEXT, COURSE CODE A3650
85	GC20-8095-2			IBM SYSTEM/360 INTRODUCTION TO TELE-PROCESSING STUDENT TEXT
85	GC20-8096-0	GN23-0817		INTRODUCTION TO DATA MANAGEMENT STUDENT TEXT
25	GC21-5000-1	GN28-0219		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT FORTRAN IV (CARD) PROGRAMMER'S GUIDE PROGRAM NUMBER 360P-FO-205
32	GC21-5001-1			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DISTRIBUTION PROGRAM SPECIFICATIONS AND OPERATING GUIDE PROGRAM NUMBER 360P-UT-208
28	SC21-5005-3	SN28-1021	SN28-1040	IBM DOS RPG II LANGUAGE, PROG. NO. 5736-RG1
30	GC21-5008-0	SN28-1053		IBM SYSTEM/360 OPERATING SYSTEM PLANNING FOR THE IBM 3211 PRINTER DATA MANAGEMENT MACRO INSTRUCTIONS AND SERVICES
32	SC21-5013-1	SN21-5198		DOS IBM 1288 BASIC UNFORMATTED READ SYSTEM: A DATA CAPTURE UTILITY PROGRAM, PROG. NO. 5736-UT1
32	SC21-5014-1	SN21-5197		OS IBM 1288 BASIC UNFORMATTED READ SYSTEM: A DATA CAPTURE UTILITY PROGRAM, PROG. NO. 5734-UT3
28	GC21-5021-1			IBM DOS RPG II GENERAL INFORMATION MANUAL PROGRAM NUMBER 5736-RG1
28	GC21-5028-5			IBM DISK OPERATING SYSTEM RPG II PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-RG1
28	SC21-5033-1#			IBM SYSTEM/360 DISK OPERATING SYSTEM
	SC21-5033-0#			RPG TO RPG II CONVERSION REFERENCE MANUAL
28	GC21-5052-0			IBM DISK OPERATING SYSTEM RPG II AUTO REPORT FEATURE GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5736-RG1
28	SC21-5056-0	SN28-1022	SN28-1024	IBM DOS RPG II AUTO REPORT FEATURE - REFERENCE MANUAL PROGRAM NUMBER 5736-RG1
30	GC21-5063-0			DOS PROGRAMMING SUPPORT FOR IBM 2596 CARD READ PUNCH
32	GC21-5067-1			PROGRAM PRODUCT FUNCTIONAL DESCRIPTION FOR IBM DOS 1288 BASIC UNFORMATTED READ SYSTEM - PROGRAM PRODUCT NUMBER 5736-UT1
32	GC21-5068-0			PROGRAM PRODUCT FUNCTIONAL DESCRIPTION FOR IBM 1288 BASIC UNFORMATTED READ SYSTEM (MFT/MVT/V51/V52) PROG. NO. 5734-UT3
30	**GC21-5071-1			IBM 3740 BTAM/TCAM PROGRAMMER'S GUIDE GUIDE
08	**GC21-5072-2			DOS/V5 SYSTEM INFORMATION FOR IBM 3540 DISKETTE INPUT/OUTPUT DOS/V5 SYSTEM INFORMATION FOR IBM 3540 INPUT/OUTPUT UNIT
28	GC21-7514-1			INTRODUCTION TO RPG II
15	**GC22-6820-12			IBM SYSTEM/360 INSTALLATION MANUAL - PHYSICAL PLANNING
15	GC22-6922-1			IBM 2911 MODELS 1, 2, AND 5 AND IBM 2989 MODEL 8, INSTALLATION MANUAL - PHYSICAL PLANNING
15	GC22-6939-0			IBM SYSTEM/360 SPECIAL FEATURE: 2680 CRT PRINTER INSTALLATION MANUAL PHYSICAL PLANNING
15	GC22-7004-2	GN22-2011	GN22-2013	IBM SYSTEM/370 INSTALLATION MANUAL -- PHYSICAL PLANNING
33	GC24-3320-7			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE PROGRAMS SPECIFICATIONS PROGRAMS: 1 - CHANNEL - 360P-SM-043 2 - CHANNEL - 360P-SM-044
33	GC24-3321-4	GN28-2389		IBM SYSTEM/360 BASIC OPERATING SYSTEM SORT/MERGE PROGRAM SPECIFICATIONS PROGRAM NUMBER 360B-SM-308
37	GC24-3343-3#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT AUTOTEST SPECIFICATIONS (8K TAPE) PROGRAM NUMBER 360P-PT-045
33	GC24-3345-3			IBM 1401/1460 TIMING PROGRAMS FOR IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE PROGRAMS (8K TAPE) PROGRAM 1401-LM-078, VERSION 2 (2401-2404) PROGRAM 1401-LM-080, VERSION 1 (2415)
36	GC24-3354-7	GN33-8596	GN33-8569	IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM PROGRAMMER'S GUIDE PROGRAM NUMBER 360P-AS-091
21	GC24-3355-7			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT ASSEMBLER WITH INPUT/OUTPUT MACROS (TAPE) SPECIFICATIONS SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBER 360P-AS-021
21	GC24-3361-6	GN33-8608	GN33-8564	IBM SYSTEM/360 BASIC OPERATING SYSTEM ASSEMBLER WITH INPUT/OUTPUT MACROS SPECIFICATIONS PROGRAM NUMBER 360B-AS-309
		GN33-8571	GN33-8633	
32	GC24-3363-7#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DASD UTILITY PROGRAMS SPECIFICATIONS

21	GC24-3364-3	GN33-8639		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC OPERATING SYSTEM MACRO DEFINITION LANGUAGE
36	GC24-3372-6	GN33-8605	GN33-8565	IBM SYSTEM/360 BASIC OPERATING SYSTEM PROGRAMMER'S GUIDE
		GN33-8572	GN33-8544	
28	GC24-3374-2			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SPECIFICATIONS REPORT PROGRAM GENERATOR (CARD)
33	GC24-3377-0			IBM 1401/1460 TIMING PROGRAM FOR IBM BASIC OPERATING SYSTEM/360 SORT/MERGE PROGRAM PROGRAM 1401-LM-079
37	GC24-3378-3#			IBM SYSTEM/360 BASIC OPERATING SYSTEM SPECIFICATIONS AUTOTEST (8K DISK) PROGRAM NUMBER 360B-PT-306
28	GC24-3387-5#			IBM SYSTEM/360 BASIC OPERATING SYSTEM REPORT PROGRAM GENERATOR SPECIFICATIONS PROGRAM NUMBER 360B-RG-307
40	GC24-3391-5#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM OPERATING GUIDE PROGRAM NUMBER 360P-AS-091 RPG PROGRAM NUMBER 360P-RG-201
32	GC24-3392-8	GN33-8641		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DASD UTILITY PROGRAMS OPERATING GUIDE
32	GC24-3396-4#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT UNIVERSAL CHARACTER SET UTILITY PROGRAM OPERATING GUIDE PROGRAM NUMBER 360P-UT-048
30	GC24-3398-5#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT 1412/1419 SPECIFICATIONS AND OPERATING GUIDE PROGRAM NUMBER 360P-IO-058
30	**GC24-3408-3#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT 1231 GC24-3408-2# SPECIFICATIONS AND OPERATING GUIDE PROGRAM NUMBER: 360P-IO-060
32	GC24-3409-3	GN28-2338		IBM SYSTEM/360 BASIC OPERATING SYSTEM UTILITY PROGRAMS SPECIFICATIONS PROGRAM NUMBERS 360B-UT-300, 360B-UT-301
33	GC24-3413-3			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT SORT/MERGE PROGRAMS OPERATING GUIDE PROGRAMS: 1 - CHANNEL - 360P-SM-043 2 - CHANNEL - 360P-SM-044
21	GC24-3414-9#	GN33-8157		IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEM ASSEMBLER LANGUAGE
37	GC24-3417-3#	GN33-8642		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT AUTOTEST OPERATING GUIDE PROGRAM NUMBER 360P-PT-045
28	GC24-3418-3			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT REPORT PROGRAM GENERATOR (TAPE) SPECIFICATIONS PROGRAM NUMBER 360P-RG-201
30	GC24-3427-8#			DOS DATA MANAGEMENT CONCEPTS, PROG. NO. 360N-CL-453
30	GC24-3430-3			IBM SYSTEM/360, TAPE OPERATING SYSTEM, DATA MANAGEMENT CONCEPTS
24	GC24-3433-6#			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS COBOL LANGUAGE SPECIFICATIONS COBOL DOS PROGRAM NUMBER 360N-CB-452 COBOL TOS PROGRAM NUMBER 360M-CB-402
30	GC24-3437-3#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT INPUT/OUTPUT GC24-3437-2# 1418/1428 SPECIFICATIONS AND OPERATING GUIDE PROGRAM NUMBER 360P-IO-059
33	GC24-3438-5#			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS TAPE SORT/MERGE PROGRAM PROGRAM NUMBERS 360M-SM-400 360N-SM-400
33	GC24-3439-3			IBM 1401/1460 TIMING PROGRAM FOR DOS AND TOS TAPE SORT/MERGE PROGRAM, PROG. NO. 1401-LM-010(2401-2404), 1401-LM-012(2415)
37	GC24-3441-4#			IBM SYSTEM/360 TAPE OPERATING SYSTEM AUTOTEST SPECIFICATIONS PROGRAM NUMBER 360M-PT-407
33	GC24-3444-5			IBM SYSTEM/360 DISK OPERATING SYSTEM DISK SORT/MERGE PROGRAM PROGRAM NUMBER 360N-SM-450
33	GC24-3445-2			IBM 1401/1460 TIMING PROGRAM FOR IBM SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE PROGRAM PROGRAM NUMBER 1401-LM-011
40	GC24-3450-3	GN33-8566	GN33-8577	IBM SYSTEM/360 BASIC OPERATING SYSTEM OPERATING GUIDE
		GN33-8533		
28	GC24-3464-2	GN21-5106		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT REPORT PROGRAM GENERATOR (CARD) OPERATING GUIDE
32	**GC24-3465-8#			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS GC24-3465-7# UTILITY PROGRAMS SPECIFICATIONS PROGRAM NUMBERS 360N-UT-461, 462, 463
34	GC24-5015-6	GN24-5450		IBM SYSTEM/360 TAPE OPERATING SYSTEM, SYSTEM GENERATION AND MAINTENANCE
34	GC24-5020-5			IBM SYSTEM/360, TAPE OPERATING SYSTEM, PERFORMANCE ESTIMATES
40	GC24-5021-4			IBM SYSTEM/360, TAPE OPERATING SYSTEM, OPERATING GUIDE
40	GC24-5022-12#			IBM SYSTEM/360 DISK OPERATING SYSTEM OPERATING GUIDE PROGRAM NUMBER 360N-CL-453
40	GC24-5024-4#			IBM SYSTEM/360 BASIC OPERATING SYSTEM OPERATOR MESSAGES
24	GC24-5025-6#			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS COBOL PROGRAMMER'S GUIDE PROGRAM NUMBERS 360N-CB-452 360M-CB-402
32	GC24-5026-2	GN28-2340		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT CARD AND TAPE UTILITY PROGRAMS SPECIFICATIONS
32	GC24-5027-4	GN33-8658		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT CARD AND TAPE UTILITY PROGRAMS OPERATING GUIDE
24	GC24-5029-4			IBM SYSTEM/360 OPERATING SYSTEM COBOL (E) PROGRAMMER'S GUIDE PROGRAM NUMBER 360S-CO-503
20	GC24-5030-11#			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS CONCEPTS AND FACILITIES
34	GC24-5033-12#			IBM SYSTEM/360 DISK OPERATING SYSTEM: GC24-5033-11# SYSTEM GENERATION AND MAINTENANCE
36	GC24-5034-2			IBM SYSTEM/360 TAPE OPERATING SYSTEM, SYSTEM CONTROL AND SYSTEM SERVICE PROGRAMS
30	GC24-5035-4			IBM SYSTEM/360, TAPE OPERATING SYSTEM, SUPERVISOR AND INPUT/OUTPUT MACROS

36	GC24-5036-7	GN33-8736	GN33-8758	IBM SYSTEM/360 DISK OPERATING SYSTEM: SYSTEM CONTROL AND SYSTEM SERVICE PROGRAMS
30	GC24-5037-12# GC24-5037-11#	GN33-8737	GN33-8757	IBM SYSTEM/360 DISK OPERATING SYSTEM SUPERVISOR AND INPUT/OUTPUT MACROS SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBER 360N-CL-453
25	GC24-5038-4#			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS BASIC FORTRAN IV PROGRAMMERS GUIDE
24	GC24-5039-1			PROGRAM NUMBERS 360N-FO-451 AND 360M-FO-409
20	GC24-5041-2			IBM SYSTEM/360 DISK OPERATING SYSTEM COBOL DASD MACROS
32	**GC24-5042-7# GC24-5042-6# GC24-5061-4	GN33-8636		PROGRAM NUMBER 360N-CB-468
34				IBM SYSTEM/360 BASIC OPERATING SYSTEM, MASTER INDEX
37	GC24-5062-1			DOS AND TOS UTILITY MACROS PROG. NOS. 360M-UT-411 AND 360N-UT-471
20	GC24-5063-4			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC TAPE SYSTEM
20	GC24-5064-1			SYSTEM GENERATION AND MAINTENANCE
37	GC24-5066-3	GN24-5452		PROGRAM NUMBER 360P-AS-091
20	GC24-5067-1			IBM SYSTEM/360 DISK OPERATING SYSTEM AUTOTEST SPECIFICATIONS
32	GC24-5069-1#			DOS MASTER INDEX
30	GC24-5070-3#			IBM SYSTEM/360 TAPE OPERATING SYSTEM, PROGRAMMING INDEX
30	GC24-5072-2#			TOS OLTEP SPECIFICATIONS AND OPERATING GUIDE, PROG. NO. 360M-DN-418
36	GC24-5073-2			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT MASTER INDEX
40	GC24-5074-4	GN33-8730	GN33-8759	IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT
34	GC24-5082-1			MODULAR FILE MAINTENANCE PROGRAM SPECIFICATIONS AND OPERATING GUIDE
37	GC24-5086-4#			PROGRAM NUMBER 360P-UT-219
34	GC24-6000-0	GN24-5453		BPS, BOS, TOS, AND DOS: TAPE LABELS
29	GC24-9005-6	GN33-9124 GN33-9129	GN33-9130 GN33-9137	IBM SYSTEM/360 DISK OPERATING SYSTEM, DASD LABELS
35	GC26-3564-2			DISK OPERATING SYSTEM SYSTEM PROGRAMMER'S GUIDE
28	GC26-3570-7			DOS MESSAGES - PROG. NO. 360N-CL-453
21	GC26-3734-0			DOS TO OS/MFT, OS/MVT, OR OS/VSI MANAGEMENT PLANNING GUIDE
21	GC26-3735-1			DOS OLTEP
21	SC26-3740-1			IBM SYSTEM/360 DOS-TO-OS IMPLEMENTATION GUIDE
21	GC26-3743-3			DOS AND TOS PL/I (D) COMPILER PROGRAMMER'S GUIDE
30	GC26-3746-2			PL/I - PROGRAMMER'S GUIDE
21	**GC26-3756-7#	GN33-8155 **GN33-8183	GN33-8167	IBM SYSTEM/360 CONVERSION AIDS: THE 1401/1440/1460
21	GC26-3758-3#			TAPE OVERLAP EMULATOR PROGRAM FOR IBM SYSTEM/360
21	GC26-3758-2#	GN33-8151		MODEL 30, PROGRAM NUMBER 360C-EU-097
21	SC26-3759-1	SN33-8171		DOS AND TOS RPG LANGUAGE SPECIFICATIONS, PROG. NOS. 360N-RG-460 (DOS), 360M-RG-408 (TOS)
14	GC26-3767-0			IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION: TSO ASSEMBLER PROMPTER DESIGN OBJECTIVES, PROGRAM 5734-CP2
21	SC26-3768-2	SN33-8172		IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER H
21	SC26-3770-1	SN33-8162		DESIGN OBJECTIVES SHEET, PROGRAM NUMBER 5734-AS1
21	GC26-3771-3#			OS TSO ASSEMBLER PROMPTER USER'S GUIDE, PROG. NO. 5734-CP2
35	**GC26-3777-4	GN33-8149		IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER H
21	GC26-3782-1			SPECIFICATION SHEET, PROGRAM NUMBER 5734-AS1
30	GC26-3794-1			OS DATA MANAGEMENT SERVICES GUIDE - SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBERS 360S-AS-036, 037 360S-DM-508, 509 360S-IO-526
37	GC26-3796-0			IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (F) PROGRAMMER'S GUIDE - PROGRAM NUMBER 360S-AS-037
28	GC26-5999-1			OS ASSEMBLER H GENERAL INFORMATION MANUAL, PROG. #5734-AS1
09	GC27-0001-2			OS ASSEMBLER H PROGRAMMER'S GUIDE, PROG. NO. 5734-AS1
35	GC27-6908-3	GN27-1323 GN27-1361	GN27-1340	IBM 2740/2968 AUDIO-VISUAL CONTROL USER'S GUIDE
30	GC27-6909-6#			RPQ NUMBER F30209
35	GC27-6911-3#			OS ASSEMBLER H SYSTEM INFORMATION, PROG. NO. 5734-AS1
30	GC27-6912-8			OS ASSEMBLER H MESSAGES, PROG. NO. 5734-AS1
31	GC27-6918-3			OS ASSEMBLER H LANGUAGE, PROG. NO. 5734-AS1
32	GC27-6924-2			DOS TO OS EMULATOR
30	GC27-6927-1			IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION
35	GC27-6929-0			ASSEMBLER PROMPTER PROGRAM PRODUCT SPECIFICATIONS
				PROGRAM NUMBER 5734-CP2
				OS DATA MANAGEMENT MACRO INSTRUCTIONS - SYSTEMS REFERENCE LIBRARY - LIBRARY MANUAL - PROGRAM NUMBERS 360S-DM-508, 509 360S-IO-526
				OS TESTRAN SYSTEM INFORMATION - SYSTEMS REFERENCE LIBRARY
				PROGRAM NUMBER 360S-PT-516
				IBM SYSTEM/360 RPG TRANSLATOR
				IBM 3600 FINANCE COMMUNICATION SYSTEM - SYSTEM SUMMARY
				IBM SYSTEM/360 CONVERSION AIDS: THE 7074 EMULATOR PROGRAM
				FOR IBM SYSTEM/360, MODELS 50 AND 65,
				PROGRAM NUMBER 360C-EU-725
				IBM SYSTEM/360 OPERATING SYSTEM, GRAPHIC PROGRAMMING
				SERVICES FOR IBM 2250 DISPLAY UNIT,
				PROGRAM NUMBER 360S-IO-523
				IBM SYSTEM/360 CONVERSION AIDS: THE 7080 EMULATOR PROGRAM
				FOR IBM SYSTEM/360 MODEL 65, PROGRAM NUMBER 360C-EU-727
				IBM SYSTEM/360 OPERATING SYSTEM GRAPHIC PROGRAMMING SERVICES
				FOR IBM 2260 DISPLAY STATION (LOCAL ATTACHMENT)
				PROGRAM NUMBER 360S-IO-523
				IBM SYSTEM/360 OPERATING SYSTEM: MAINTENANCE PROGRAM;
				PROGRAM NUMBER 360S-UT-506
				IBM SYSTEM/360 DISK OPERATING SYSTEM VOCABULARY FILE UTILITY
				PROGRAM FOR THE IBM 7772 AUDIO RESPONSE UNIT
				PROGRAM NUMBER 360N-UT-472
				IBM SYSTEM/360 OPERATING SYSTEM GRAPHIC PROGRAMMING SERVICES
				FOR IBM 2280 AND 2282 FILM UNITS PROGRAM NUMBER 360S-IO-523
				IBM SYSTEM/360 CONVERSION AIDS: SAMPLE PROBLEMS FOR IBM
				SYSTEM/360 EMULATOR PROGRAMS: PROG. NOS. 360C-EU-074, -097, -725, -726, -727, -728, -729, -731 AND -733

30	GC27-6932-4#			IBM SYSTEM/360 OPERATING SYSTEM, GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV, COBOL, AND PL/I, PROGRAM NUMBER 360S-LM-537
30	GC27-6933-3	GN27-1371		IBM SYSTEM/360 OPERATING SYSTEM USER'S GUIDE FOR JOB CONTROL FROM THE IBM 2250 DISPLAY UNIT, PROGRAM NUMBER 360S-RC-541
36	GC27-6935-0			IBM SYSTEM/360 OPERATING SYSTEM PLANNING FOR ROLLOUT/ROLLIN
25	GC27-6937-2#			IBM SYSTEM/360 OPERATING SYSTEM AND 1130 DISK MONITOR SYSTEM, SYSTEM/360 - 1130 DATA TRANSMISSION FOR FORTRAN PROGRAM NUMBERS 360S-LM-542 AND 1130-LM-011
30	GC27-6938-1	GN27-1315 GN27-1370	GN27-1330	IBM SYSTEM/360 OPERATING SYSTEM AND 1130 DISK MONITOR SYSTEM USER'S GUIDE FOR JOB CONTROL FROM AN IBM 2250 DISPLAY UNIT ATTACHED TO AN IBM 1130 SYSTEM PROGRAM NUMBERS 360S-RC-543 AND 1130-CQ-012
34	GC27-6939-10	GN28-2546		IBM SYSTEM/360 OPERATING SYSTEM: MFT GUIDE A FIXED NUMBER OF TASKS (MFT) PROGRAM NUMBER 360S-CI-505
35	GC27-6940-5#			SYSTEM/360 DISK OPERATING SYSTEM 1401/1440/1460 EMULATOR PROGRAMS COMPATIBILITY SUPPORT 30/40 PROGRAM NUMBERS 360N-EU-484 AND 360N-EU-485
36	GC27-6942-2			IBM SYSTEM/360 OPERATING SYSTEM INTRODUCTION TO MAIN STORAGE HIERARCHY SUPPORT FOR IBM 2361 MODELS 1 AND 2
35	GC27-6948-2			7074 OS EMULATOR ON SYSTEM/370 REFERENCE, PROG. NOS. 360C-EU-739, 741 (OS); 5744-AJ1, AK1 (VS1, VS2)
40	GC27-6949-2			IBM SYSTEM/360 OPERATING SYSTEM: OPERATOR'S GUIDE FOR DISPLAY CONSOLES
35	GC27-6951-2			EMULATING THE IBM 7094 ON IBM MODELS 85 AND 165 USING OS/360 PROG. NO. 360C-EU-734 (FOR MOD 85), 360C-EU-740 (FOR MOD 165)
35	GC27-6952-2			7080 OS EMULATOR ON MODELS 165/168: REFERENCE, PROG. NOS. 360C-EU-737 (MFT/MVT), 5744-AL1 (VS1/VS2)
30	SC27-6955-4			VIDEO/370 USERS GUIDE - PROGRAM PRODUCTS 5734-RC5, 5736-RC3
30	SC27-6960-5			VIDEO/370 SYSTEM INFORMATION MANUAL - PROG. NOS. 5736-RC3 AND 5734-RC5
30	GC27-6967-2#			PROGRAM PRODUCT SPECIFICATIONS VIDEO/370 OS - PROGRAM NUMBER 5734-RC5
	GC27-6967-1#			
	GC27-6967-0#			
30	GC27-6969-2#			PROGRAM PRODUCT SPECIFICATIONS VIDEO/370 DOS - PROGRAM NUMBER 5736-RC3
	GC27-6969-1#			
	GC27-6969-0#			
37	GC27-6970-0			IBM SYSTEM/360 OPERATING SYSTEM PROBLEM DETERMINATION AIDS AND MESSAGES AND CODES FOR GPS AND GSP - PROGRAM NUMBERS 360S-IO-523 AND 360S-LM-537
30	GC27-6975-0			IBM 2260 BTAM AND 2260 GAM TO IBM 3270 BTAM CONVERSION GUIDE - PROGRAM NUMBERS 360S-CQ-513, 360N-CQ-469
30	GC27-6977-0			DOS PROGRAMMING SUPPLEMENT FOR THE 3270 INFORMATION DISPLAY SYSTEM - MANUAL
30	GC27-6978-1	GN27-1426		DOS VERSION 4 - BASIC TELECOMMUNICATIONS ACCESS METHOD MANUAL - PROGRAM NUMBER 370N-CQ-469
35	GC27-6983-0			7094 OS EMULATOR ON MODELS 165/168 REFERENCE PROGRAM NUMBER FOR OS/MFT AND OS/MVT - 360C-EU-740 AND PROGRAM NUMBER FOR OS/VS1 AND OS/VS2 - 5744-AM1
30	GC27-6999-0			AN INTRODUCTION TO PROGRAMMING THE IBM 3270
21	GC28-2000-4			IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER LANGUAGE
36	**GC28-2001-8			IBM SYSTEM/360 TIME-SHARING SYSTEM COMMAND SYSTEM USER'S GUIDE
20	GC28-2003-5			IBM SYSTEM/360 TIME SHARING SYSTEM CONCEPTS AND FACILITIES
21	GC28-2004-5	GN28-3202		IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER USER MACRO INSTRUCTIONS - SYSTEMS REFERENCE LIBRARY
31	GC28-2005-4	GN28-3206		IBM SYSTEM/360 TIME-SHARING SYSTEM LINKAGE EDITOR
37	GC28-2006-1			IBM SYSTEM/360 TIME-SHARING SYSTEM TIME SHARING SUPPORT SYSTEM
25	GC28-2007-3			IBM SYSTEM/360 TIME-SHARING SYSTEM FORTRAN IV
36	GC28-2008-3	GN28-3210		IBM SYSTEM/360 TIME SHARING SYSTEM SYSTEM PROGRAMMER'S GUIDE
34	GC28-2010-6			IBM SYSTEM/360 TIME-SHARING SYSTEM SYSTEM GENERATION AND MAINTENANCE
40	GC28-2017-4			IBM SYSTEM/360 TIME SHARING SYSTEM VERSION 8.1: TERMINAL USER'S GUIDE
20	GC28-2023-3			IBM SYSTEM/360 TIME SHARING SYSTEM MASTER INDEX
36	GC28-2024-4			IBM SYSTEM/360 TIME-SHARING SYSTEM MANAGER'S AND ADMINISTRATOR'S GUIDE
25	GC28-2025-4	GN28-3204		IBM SYSTEM/360 TIME-SHARING SYSTEM FORTRAN PROGRAMMER'S GUIDE
25	GC28-2026-3	GN28-3182		IBM SYSTEM/360 TIME SHARING SYSTEM FORTRAN IV LIBRARY SUBPROGRAMS
37	GC28-2028-0	GN28-3198	GN28-3211	IBM SYSTEM/360 TIME SHARING SYSTEM TEST AND MAINTENANCE USER'S GUIDE - PROGRAM NUMBER 360G-CL-627
21	GC28-2032-5#	GN28-3201		IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER PROGRAMMER'S GUIDE
40	GC28-2033-8	GN28-3207		IBM SYSTEM/360 TIME-SHARING SYSTEM OPERATOR'S GUIDE
34	GC28-2034-1	GN28-3184		IBM SYSTEMS/360 TIME SHARING SYSTEM MULTITERMINAL TASK PROGRAMMING AND OPERATION PROGRAM NUMBER 360S-CI-555
40	GC28-2037-7	GN28-3209	GN28-3220	IBM SYSTEM/360 TIME SHARING SYSTEM: SYSTEM MESSAGES
32	GC28-2038-3			IBM SYSTEM/360 TIME-SHARING SYSTEM INDEPENDENT UTILITIES
20	GC28-2043-12			IBM SYSTEM/360 TIME-SHARING SYSTEM ADDENDUM PROGRAM NUMBER 360S-CI-555
38	GC28-2044-0			IBM SYSTEM/360 TIME-SHARING SYSTEM PLANNING FOR REMOTE JOB ENTRY
29	GC28-2045-1	GN28-3171	GN28-3185	IBM SYSTEM/360 TIME-SHARING SYSTEM PL/I REFERENCE MANUAL PROGRAM NUMBERS 360G-CL-625 360G-CL-626
29	GC28-2046-1			IBM SYSTEM/360 TIME-SHARING SYSTEM PL/I LIBRARY COMPUTATIONAL SUBROUTINES - PROGRAM NUMBER 360G-CL-627
20	GC28-2048-4			IBM SYSTEM/360 TIME SHARING SYSTEM INTRODUCING TSS/360 A PRIMER FOR FORTRAN USERS PROGRAM NUMBER 360S-CI-555

29	GC28-2049-1#	GN28-3208		IBM SYSTEM/360 TIME SHARING SYSTEM PL/I PROGRAMMER'S GUIDE
30	GC28-2056-1			IBM SYSTEM/360 TIME SHARING SYSTEM DATA MANAGEMENT FACILITIES
38	GC28-2057-1			IBM SYSTEM/360 TIME SHARING SYSTEM REMOTE JOB ENTRY
24	GC28-6380-4#			IBM SYSTEM/360 OPERATING SYSTEM COBOL (F) PROGRAMMER'S GUIDE PROGRAM NUMBER 360S-CB-524 360S-LM-525
24	GC28-6394-4	GN28-1047	GN28-1062	DOS FULL ANS COBOL, PROG. NOS. 360N-CB-482 (V1 & V2), 5736-CB2, LM2 (V3), 5746-CB1, LM4 (DOS/VS)
24	GC28-6395-2#			IBM SYSTEM/360 COBOL DIFFERENCES USA STANDARD COBOL CONVERSION
24	GC28-6396-4#			IBM OS FULL AMERICAN NATIONAL STANDARD COBOL SYSTEM LIBRARY MANUAL - PROGRAM NUMBERS: VERSION 2 360S-CB-545 VERSION 3 5734-CB1 VERSION 4 5734-CB2 (COMPILER AND LIBRARY) 5734-LM2 (LIBRARY ONLY)
25	GC28-6397-2	GN28-0592	GN28-0615	IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV PROGRAMMER'S GUIDE PROGRAM NUMBERS 360N-FO-479 360N-LM-480
24	GC28-6398-3#	GN28-1023		IBM SYSTEM/360 DISK OPERATING SYSTEM, FULL AMERICAN NATIONAL STANDARD COBOL: PROGRAMMER'S GUIDE, PROG. NO. 360N-CB-482
24	GC28-6399-2	GN28-1038		AMERICAN NATIONAL STANDARD COBOL PROGRAMMER'S GUIDE
24	GC28-6400-1#			IBM CONVERSION AIDS: COBOL-TO-AMERICAN NATIONAL STANDARD COBOL LANGUAGE CONVERSION PROGRAM PROGRAM NUMBERS 360N-CV-489, 360C-CV-713
24	**GC28-6402-4			IBM SYSTEM/360 DISK OPERATING SYSTEM: AMERICAN NATIONAL STANDARD SUBSET COBOL COMPILER GENERAL INFORMATION
24	GC28-6403-1			IBM SYSTEM/360 DISK OPERATING SYSTEM: AMERICAN NATIONAL STANDARD SUBSET COBOL PROGRAM NUMBER 5736-CB1
24	GC28-6406-1#			IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD (ANS) COBOL COMPILER VERSION 3 DESIGN OBJECTIVES SHEET, PROGRAM NUMBER 5734-CB1
24	GC28-6407-2			IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3: GENERAL INFORMATION, PROG. NO. 5734-CB1
24	GC28-6408-1			IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4 - PPDO - PROG. NOS. 5734-CB2, -LM2
24	GC28-6420-3			IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER, VERSION 3: PPDO, PROG. NO. 5736-CB2
24	**GC28-6421-4			IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, RELEASE 2, GENERAL INFORMATION PROG. NOS. 5736-CB2 (COMPILER), 5736-LM2 (LIBRARY) GENERAL INFORMATION
24	GC28-6428-3			IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL OBJECT-TIME SUBROUTINE LIBRARY, PROG. NO. 5736-LM2 DESIGN OBJECTIVES
31	GC28-6429-0			IBM SYSTEM/360 OPERATING SYSTEM LINKAGE EDITOR (E): INSTALLATION REFERENCE MATERIAL, PROG. NO. 360S-ED-510
25	GC28-6430-0			IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (E) COMPILER, INSTALLATION REFERENCE MATERIAL PROGRAM NUMBER 360S-FO-092
24	GC28-6431-0	GN28-0496	GN28-1015	OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4, PLANNING GUIDE - PROGRAM NOS. 5734-CB2, -LM2
24	SC28-6432-1			IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, INSTALLATION REFERENCE MANUAL, PROGRAM NUMBER 5734-CB1
24	SC28-6433-1			IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION COBOL PROMPTER TERMINAL USER'S GUIDE AND REFERENCE INFORMATION PROGRAM NUMBER 5734-CP1
24	SC28-6434-0	SN28-0445	SN28-0476	IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) COBOL PROMPTER INSTALLATION REFERENCE MATERIAL 5734-CP1
24	GC28-6435-0			IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) COBOL PROMPTER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-CP1
24	GC28-6436-2			IBM SYSTEM/360 OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, PROGRAM PRODUCT SPECIFICATIONS (PPS) - PROGRAM NUMBER 5734-CB1
24	SC28-6437-1#	SN28-1045		IBM SYSTEM/360 OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, PROGRAMMER'S GUIDE - PROGRAM NUMBER 5734-CB1
24	SC28-6438-0	SN28-0470	SN28-1037	IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBER 5736-CB1
24	SC28-6439-0	SN28-0472 SN28-1017	SN28-0483 SN28-1028	IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY PROGRAMMER'S GUIDE - PROGRAM NUMBER 5736-CB1
24	SC28-6441-2	**SN28-1068		IBM SYSTEM/360 DISK OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3 SYSTEM REFERENCE LIBRARY PROGRAMMER'S GUIDE PROGRAM NUMBERS 5736-CB2, 5736-LM2
24	SC28-6442-1	**SN28-1067		IBM DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3 INSTALLATION REFERENCE MATERIAL PROG. NOS. 5736-CB2, 5736-LM2
24	**GC28-6443-4			IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER VERSION 3 SYSTEM REFERENCE LIBRARY PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-CB2
24	GC28-6444-3			IBM SYSTEM/360 DISK OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL OBJECT TIME SUBROUTINE LIBRARY PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-LM2
24	GC28-6450-4			IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY (PROGRAM PRODUCT SPECIFICATIONS) PROGRAM NUMBER 5736-CB1

24	**GC28-6454-3			IBM OS COBOL INTERACTIVE DEBUG AND (TSO) COBOL PROMPTER GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5734-CB4, 5734-CP1
24	SC28-6456-2	**SN28-1061		IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY VERSION 4, PROGRAMMERS GUIDE - PROGRAM PRODUCTS 5734-CB2 AND 5734-LM2
24	SC28-6457-0			IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4, MESSAGES, PROG. NOS. 5734-CB2, LM2
24	SC28-6458-1			IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4, INSTALLATION REFERENCE MATERIAL, PROG. NOS. 5734-CB2, LM2
24	GC28-6463-1+			IBM OS COBOL INTERACTIVE DEBUG PROGRAM
24	GC28-6464-2			PRODUCT DESIGN OBJECTIVE - PROGRAM NUMBER 5734-CB4
24	**SC28-6465-1			IBM OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4 - PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBERS 5734-CB2, 5734-LM2
24	GC28-6467-1			IBM OS COBOL INTERACTIVE DEBUG TERMINAL USER'S GUIDE AND REFERENCE - PROGRAM NUMBER 5734-CB4
24	**SC28-6468-1			IBM OS COBOL INTERACTIVE DEBUG PPS - PROGRAM NUMBER 5734-CB4
24	SC28-6469-0			IBM OS (TSO) COBOL INTERACTIVE DEBUG INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBER 5734-CB4
24	**GC28-6471-0			IBM VM/370 OS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 4 CMS - USER'S GUIDE PROGRAM NUMBERS 5734-CB2 AND 5734-LM2
24	**GC28-6473-2			DESIGN OBJECTIVES - IBM OS/VS COBOL COMPILER AND LIBRARY -- PROGRAM PRODUCTS 5740-CB1;5740-LM1
24	GC28-6474-1			IBM DOS/VS COBOL COMPILER AND LIBRARY GENERAL INFORMATION PROGRAM NUMBERS 5746-CB1 AND 5746-LM4
24	**GC28-6476-1			DOS/VS COBOL COMPILER AND LIBRARY DESIGN OBJECTIVES PROGRAM PRODUCT 5746-CB1 (COMPILER AND LIBRARY) AND 5746-LM4 (LIBRARY ONLY)
24	SC28-6478-0	**SN28-1063		DOS/VS COBOL COMPILER AND LIBRARY RELEASE 1
24	**SC28-6479-1			PROG. NOS. 5746-LM4 (LIBRARY ONLY SPECIFICATIONS) 5746-CB1 (COMPILER AND LIBRARY)
24	GC28-6480-0			IBM DOS/VS COBOL COMPILER AND LIBRARY PROGRAMMER'S GUIDE
24	GC28-6482-0			IBM DOS/VS COBOL COMPILER AND LIBRARY INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBERS 5746-CB1 AND 5746-LM4
28	GC28-6484-0			IBM DOS SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY DESIGN OBJECTIVES
24	**GC28-6485-0			PROG. PROD. 5736-CB1
28	**SC28-6486-0			IBM OS COBOL INTERACTIVE DEBUG PROG. NO. 5734-CB4
24	**GC28-6487-0			DESIGN OBJECTIVES
21	GC28-6503-8#			IBM DOS RPG II PROGRAM PRODUCT DESIGN OBJECTIVES - PROGRAM NUMBER 5736-RG1
21	**GC28-6514-9#	**GN33-8182		IBM OS COBOL INTERACTIVE DEBUG PP8-PROGRAM NUMBER 5734-CB4
25	**GC28-6515-10			IBM DOS RPG II COMPILER & AUTO REPORT FEATURE INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBER 5736-RG1
24	GC28-6516-9#			DOS/VS COBOL COMPILER AND LIBRARY
35	GC28-6529-2			PROG. NOS. 5746-CB1 (COMPILER AND LIBRARY) 5746-LM4 (LIBRARY ONLY)
35	GC28-6530-2#			BPS (CARD) BASIC ASSEMBLER & BASIC UTILITY PROGRAMS: SPECIFICATIONS & OPERATING GUIDE, PROG. NO. 360P-AS-021 AND 360P-UT-017 THROUGH 020
35	GC28-6531-1			IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER LANGUAGE
35	GC28-6532-2			PROGRAM NUMBERS 360S-AS-037, 360S-AS-036
20	GC28-6534-4#			SYSTEM/360 AND SYSTEM/370 FORTRAN IV LANGUAGE, PROG. NO. 360N-LM-480
31	GC28-6538-10#			IBM SYSTEM/360 OPERATING SYSTEM COBOL LANGUAGE
33	GC28-6543-8			PROGRAM NUMBER (COBOL E) 360S-CO-503 (COBOL F) 360S-CB-524
30	GC28-6550-11			IBM SYSTEM/360 CONVERSION AIDS: THE 1620 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-752
34	GC28-6551-16			IBM SYSTEM/360 CONVERSION AIDS: THE 7070/7074 SIMULATOR FOR SYSTEM/360 - SYSTEMS REFERENCE LIBRARY
34	GC28-6554-12			PROGRAM NUMBER 360C-SI-753
24	GC28-6559-2			IBM SYSTEM/360 CONVERSION AIDS: THE 7080 SIMULATOR FOR IBM SYSTEM/360, PROG. NO. 360C-SI-751
25	GC28-6560-2#			IBM SYSTEM/360 CONVERSION AIDS: THE 7090/7094 SIMULATOR FOR IBM SYSTEM/360 PROGRAM NUMBER 360C-SI-750
35	GC28-6561-5#			IBM SYSTEM/360 OPERATING SYSTEM INTRODUCTION
35	GC28-6563-4#			IBM OS LINKAGE EDITOR AND LOADER MANUAL - PROGRAM NUMBERS 360S-ED-510, 360S-ED-521, 360S-LD-547
35	GC28-6565-4	GN27-1322	GN27-1359	IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE PROGRAM NUMBER 360S-SM-023
35	GC28-6568-2	GN27-1326	GN27-1280	OS DATA MANAGEMENT FOR SYSTEM PROGRAMMERS - PROGRAM NUMBER 360S-CI-555
				IBM SYSTEM/360 OPERATING SYSTEM: STORAGE ESTIMATES
				OS SYSTEM GENERATION GENERATION - SYSTEMS REFERENCE LIBRARY
				IBM SYSTEM/360 CONVERSION AIDS: COBOL LANGUAGE
				CONVERSION PROGRAM FOR THE IBM 1401, PROGRAM NUMBER 1401-CB-701
				IBM SYSTEM/360 TRANSITION AIDS: FORTRAN II LANGUAGE
				CONVERSION PROGRAM (1401-FO-702) FOR THE IBM 1401
				IBM SYSTEM/360 CONVERSION AIDS: THE 1401/1460 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 40, PROGRAM NUMBER 360C-EU-074
				IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 40, PROGRAM NUMBER 360C-EU-728
				IBM SYSTEM/360 CONVERSION AIDS: THE 709/7090/7094/7094 II EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65, PROGRAM NUMBER 360C-EU-729
				IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 50 PROGRAM NUMBER 360C-EU-726



24	GC28-6570-0			IBM SYSTEM/360 TRANSITION AIDS COBOL LANGUAGE DIFFERENCES
25	GC28-6583-2	GN28-0230		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT FORTRAN IV (TAPE) PROGRAMMER'S GUIDE PROGRAM NUMBER 360P-FO-031
35	GC28-6585-1	GN27-1321 GN27-1295 GN27-1261	GN27-1305 GN27-1283 GN27-1360	IBM SYSTEM/360 CONVERSION AIDS: THE 7040/7044 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65 PROGRAM NUMBER 360C-EU-733.
32	GC28-6586-15#			IBM SYSTEM/360 OPERATING SYSTEM: UTILITIES SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBERS 360S-UT-506, 507
29	GC28-6590-2#			IBM SYSTEM/360 OPERATING SYSTEM, PL/I SUBROUTINE LIBRARY, COMPUTATIONAL SUBROUTINES, PROGRAM NUMBER 360S-LM-512
29	GC28-6594-8			IBM SYSTEM/360 OPERATING SYSTEM PL/I (F) PROGRAMMER'S GUIDE-PROG. NO. 360S-NL-511
21	GC28-6595-2	GN33-8084		IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (E) PROGRAMMER'S GUIDE - PROGRAM NUMBER 360S-AS-036
25	GC28-6596-4	GN28-0588		IBM SYSTEM/360 FORTRAN IV LIBRARY SUBPROGRAMS PROG. NOS. 360S-LM-501, 360F-LM-619, 360N-LM-480
25	GC28-6603-3			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (E) PROGRAMMER'S GUIDE PROGRAM NUMBER 360S-FO-092
26	GC28-6615-3			IBM SYSTEM/360 OPERATING SYSTEM, ALGOL LANGUAGE
36	GC28-6628-9			OS/360 SYSTEM CONTROL BLOCKS PROG. NO. 360S-CI-566
25	GC28-6629-2			IBM SYSTEM/360 BASIC FORTRAN LANGUAGE (OS, DOS, TOS & BPS)
40	GC28-6631-13			IBM SYSTEM/360 OPERATING SYSTEM: MESSAGES AND CODES
20	GC28-6644-7			IBM SYSTEM/360 OPERATING SYSTEM MASTER INDEX
36	GC28-6646-6	GN27-1419		OS/360 SYSTEM SUPERVISOR SERVICES AND MACRO INSTRUCTIONS
37	GC28-6648-1			IBM SYSTEM/360 OPERATING SYSTEM TESTRAN
37	GC28-6650-6	GN28-2549		IBM SYSTEM/360 OPERATING SYSTEM: ONLINE TEST EXECUTIVE PROGRAM MANUAL OS RELEASE 21 - PROGRAM NUMBER 360S-DN-533
33	GC28-6662-1			IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE TIMING ESTIMATES, PROGRAM NUMBER 360S-SM-023
37	GC28-6670-6#	GN28-2545		IBM SYSTEM/360 OPERATING SYSTEM: PROGRAMMER'S GUIDE TO DEBUGGING
33	GC28-6676-5			IBM SYSTEM/360 DISK OPERATING SYSTEM TAPE AND DISK SORT/MERGE SRL MANUAL, PROG. NO. 360N-SM-483
33	GC28-6679-1			IBM SYSTEM/360 DISK OPERATING SYSTEM TAPE AND DISK SORT/MERGE TIMING ESTIMATES PROGRAM NUMBER 360N-SM-483
30	GC28-6680-5			IBM SYSTEM/360 OPERATING SYSTEM: TAPE LABELS
14	GC28-6687-2			USER'S GUIDE FOR THE IBM 2947-4 CHECK COLLECTION CONTROLLER SEQUENTIAL ACCESS METHOD PROGRAM SUPPORTING RPQ 888264 PROGRAM NUMBERS 5799-WAF, 5799-WAG
30	SC28-6689-1			USER'S GUIDE FOR THE IBM 2947 MODEL 4 CHECK COLLECTION CONTROLLER ASSEMBLY FACILITIES, PROGRAMMING - PRPQ P88003 PROGRAM NUMBER 5799-AAH
40	GC28-6691-3	GN28-2544		IBM SYSTEM/360 OPERATING SYSTEM OPERATOR'S REFERENCE
40	GC28-6692-2#			IBM SYSTEM/360 OPERATING SYSTEM: OPERATOR'S PROCEDURES
33	SC28-6695-1	SN33-8108		IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK SORT/MERGE PROGRAM, REFERENCE MANUAL, PROG. NO. 5736-SM1
39	GC28-6698-6			IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION PLANNING FOR TSO
36	GC28-6704-3			IBM SYSTEM/360 OPERATING SYSTEM: JOB CONTROL LANGUAGE REFERENCE
36	GC28-6708-5			OS ADVANCED CHECKPOINT/RESTART
14	GC28-6709-0	GN28-2528		IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1 CONTROL PROGRAM OPERATOR'S GUIDE SUPPORTING RPQ 888117
14	GC28-6711-0	GN28-2529		IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1 CONTROL PROGRAM USER'S GUIDE SUPPORTING RPQ 888117
34	GC28-6712-7			IBM SYSTEM/360 OPERATING SYSTEM SYSTEM MANAGEMENT FACILITIES REFERENCE MANUAL - PROGRAM NUMBERS 360S-CI-505, 360S-CI-535
34	GC28-6716-0	GN28-2449		IBM SYSTEM/360 OPERATING SYSTEMS FEATURE GUIDE
37	GC28-6719-2	GN28-2552		IBM SYSTEM/360 OPERATING SYSTEM: SERVICE AIDS SYSTEMS REFERENCE LIBRARY
34	GC28-6720-4	GN28-2553		IBM SYSTEM/360 OPERATING SYSTEM MVT GUIDE
34	GC28-6730-5			IBM SYSTEM/360 OPERATING SYSTEM: RELEASE 20 GUIDE
39	GC28-6732-4			IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION: COMMAND LANGUAGE
34	GC28-6733-1	GN28-2432 GN28-2453	GN28-2434 GN28-2466	IBM SYSTEM/360 OPERATING SYSTEM: RELEASE 19 GUIDE
37	GC28-6747-3			IBM SYSTEM/360 OPERATING SYSTEM: RDE GUIDE
33	GC28-6753-1			IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK SORT/MERGE PROGRAM, PROGRAM NUMBER 5736-SM1 PROGRAM PRODUCT SPECIFICATIONS
33	SC28-6755-0	SN28-2431	SN33-8105	IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK SORT/MERGE PROGRAM, SYSTEM INFORMATION - PROGRAM NUMBER 5736-SM1
32	GC28-6758-0			IBM SYSTEM/360 OPERATING SYSTEM DATA SET UTILITIES SUPPORT FOR ASCII - PROGRAM NUMBER 5734-UT2
32	GC28-6759-2			OS/MFT, OS/MVT, AND OS/V5 DATA SET UTILITIES SUPPORT FOR ASCII - PPS - PROG. NO. 5734-UT2
32	SC28-6760-0	SN33-8707		OS/MFT, OS/MVT, AND OS/V5 DATA SET UTILITIES SUPPORT FOR ASCII: USER'S GUIDE, PROG. NO. 5734-UT2
39	GC28-6763-2#	GN28-2555		IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION TERMINAL USER'S GUIDE
39	GC28-6764-2			IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR A COMMAND PROCESSOR
32	**SC28-6765-4			OS/MVT AND OS/V52 TSO DATA UTILITIES: COPY, FORMAT, LIST & MERGE: USER'S GUIDE AND REFERENCE, PROG. NO. 5734-UT1
32	**SC28-6767-2			OS/MVT AND OS/V52 TSO DATA UTILITIES: COPY, FORMAT, LIST, MERGE SYSTEM INFORMATION PROGRAM PRODUCT - PROGRAM NUMBER 5734-UT1
32	**GC28-6768-3			OS/MVT AND OS/V52 TSO DATA UTILITIES: COPY, FORMAT, LIST, & MERGE - PPS - PROG. NO. 5734-UT1
37	**GC28-6791-0			OS SYSTEM MODIFICATION PROGRAM (SMP)
36	**GC28-6792-0			OS POWER WARNING FEATURE (PWF) SUPPORT-ICR GUIDE
85	SC28-6808-1#			A PL/I PRIMER

20	GC28-6810-2			IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEMS CONCEPTS AND FACILITIES
21	GC28-6811-1	**GN33-8543	GN33-8663	IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM ASSEMBLER LANGUAGE, PROGRAM NUMBER 360F-AS-616
36	GC28-6812-3#			IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM GUIDE TO SYSTEM USE
25	GC28-6813-2	GN33-8602	GN33-8665	IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM GUIDE TO SYSTEM USE FOR FORTRAN PROGRAMMERS
36	GC28-6814-1	GN33-8547	GN33-8666	IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM SYSTEMS PROGRAMMER'S GUIDE
40	**GC28-6815-4#			SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM OPERATOR'S GUIDE
35	GC28-6816-0			IBM SYSTEM/360 CONVERSION AIDS: 1620 SIMULATOR FOR IBM SYSTEM/360 MODEL 44 PROGRAM NUMBER 360C-SI-755
25	GC28-6817-4			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G AND H) PROGRAMMER'S GUIDE
25	GC28-6818-1#			PROGRAM NUMBERS 360S-FO-500 360S-FO-520 OS FORTRAN IV LIBRARY: MATHEMATICAL AND SERVICE SUBPROGRAMS, PROG. NO. 360S-LM-501
25	GC28-6819-0			IBM SYSTEM/360 FORTRAN IV LANGUAGE HANDBOOK FOR CONVERSION FROM IBM 7090/7094 FORTRAN IV PROGRAM NUMBER 7090-PR-130
29	GC28-6821-2			IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY PL/I AND BASIC (PROGRAM PRODUCT DESIGN OBJECTIVES) PROGRAM NUMBERS 5736-RC1, 5736-RC2
29	GC28-6825-2	GN28-0451	GN28-1010	IBM SYSTEM/360 OS/DOS AND OS (TSO) ITF: PL/I AND BASIC GENERAL INFORMATION, PROG. NOS. 5734-RC1/2/3/4, 5736-RC1/2
29	GC28-6829-4			IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY: PL/I (5734-RC1) AND BASIC (5734-RC3) SPECIFICATION SHEET
29	GC28-6830-2			IBM SYSTEM/360 DISK OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY: PL/I AND BASIC - PPS PROGRAM NUMBERS: 5736-RC1 5736-RC2
39	GC28-6831-0			IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY: PL/I AND BASIC PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBERS 5734-RC2, 5734-RC4
25	GC28-6832-2			IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-FO1
29	SC28-6833-1			IBM SYSTEM/360 OS/DOS ITF: PL/I INTRODUCTION PROGRAM NUMBERS 5734-RC1, 5736-RC1
29	SC28-6834-1	SN28-1020		IBM SYSTEM/360 OS/DOS ITF: PL/I TERMINAL USER'S GUIDE PROGRAM NUMBERS 5734-RC1, 5736-RC1
23	SC28-6835-1#	SN28-1019		IBM SYSTEM/360 OS/DOS ITF: BASIC TERMINAL USER'S GUIDE PROGRAM NUMBERS 5736-RC2, 5734-RC3
34	SC28-6836-2			IBM SYSTEM/360 OS/DOS ITF INSTALLATION REFERENCE MATERIAL PROGRAM NUMBERS 5734-RC1, 3; 5736-RC1, 2
23	GC28-6837-0			BASIC LANGUAGE REFERENCE MANUAL
39	SC28-6838-0			IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY: PL/I INTRODUCTION PROGRAM NUMBER 5734-RC2
39	SC28-6839-0	SN28-0448	SN28-1034	IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY: PL/I TERMINAL USER'S GUIDE PROGRAM NUMBER 5734-RC2
39	SC28-6840-0	SN28-0449	SN28-1035	IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY: BASIC TERMINAL USER'S GUIDE PROGRAM NUMBER 5734-RC4
39	SC28-6841-1			IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY INSTALLATION REFERENCE MANUAL PROGRAM NUMBERS 5734-RC2, 5734-RC4
25	SC28-6842-1	SN28-0601	**SN28-0622	IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) CODE AND GO FORTRAN PROCESSOR-TERMINAL USER'S GUIDE PROGRAM NUMBERS 5734-FO1, 5734-LM1
25	GC28-6844-1#			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY MOD 1 DESIGN OBJECTIVES - PROGRAM NUMBER 5734-LM1
25	GC28-6847-0			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY (MOD II) PROGRAM NUMBER 5734-LM3
25	GC28-6850-2			SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY MOD 1 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-LM1
25	SC28-6851-0			IBM SYSTEM/360 DISK OPERATING SYSTEM - FORTRAN IV LIBRARY ASCII SUPPORT: PROGRAMMER'S GUIDE SUPPLEMENT PROGRAM NUMBER 5736-LM1
25	SC28-6852-1			IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED) COMPILER, PROGRAMMER'S GUIDE - PROGRAM NUMBER 5734-FO3 5734-LM3
25	SC28-6853-1			IBM OS CODE AND GO FORTRAN AND FORTRAN IV (G1) PROGRAMMER'S GUIDE, PROG. NOS. 5734-FO1, 2, -LM1
25	GC28-6854-2			OS FORTRAN IV (G1) PROCESSOR - PPS - PROG. NO. 5734-FO2
25	SC28-6855-1	SN28-0600	**SN28-0623	IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) TERMINAL USER'S SUPPLEMENT FOR FORTRAN IV (G1) PROCESSOR AND TSO FORTRAN - PROGRAM PRODUCT MANUAL PROGRAM NUMBERS 5734-FO2, 5734-CP3, 5734-LM1
25	SC28-6856-1			FORTRAN IV (G1) PROCESSOR AND TSO FORTRAN PROMPTER FOR OS AND VM/370 (CMS): INSTALLATION REFERENCE MATERIAL, PROG. NOS. 5734-FO2, 5734-CP3
25	GC28-6857-1			IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION FORTRAN PROMPTER - PROGRAM PRODUCT SPECIFICATION
25	SC28-6858-0	SN28-0607		IBM SYSTEM/360 FORTRAN IV LIBRARY (MODEL 1) INSTALLATION REFERENCE MATERIAL, PROGRAM NUMBER 5734-LM1
25	SC28-6859-1			IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN PROCESSOR INSTALLATION REFERENCE MATERIAL PROGRAM NUMBER 5734-FO1
25	SC28-6861-1			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED) COMPILER AND LIBRARY (MOD II) IRM MODULE II INSTALLATION REFERENCE MATERIAL - PROGRAM NUMBERS 5734-FO3, 5734-LM3

25	GC28-6862-2			IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED) COMPILER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-FO3
25	GC28-6863-2			OS FORTRAN IV LIBRARY (MOD II) - PPS - PROG. NO. 5734-LM3
25	SC28-6864-0			IBM SYSTEM/360 OS: FORTRAN IV MATH AND SVC SUBPROGRAM SUPPLEMENT FOR MODE I and MODEL II LIBRARIES PROGRAM NUMBERS 5734-LM1, 5734-LM3
25	GC28-6865-0			IBM SYSTEM/360 OS: FORTRAN IV (H EXTENDED) COMPILER AND LIBRARY (MODEL II), MESSAGES - SYSTEM REFERENCE LIBRARY MANUAL, PROGRAM NUMBERS 5734-FO3, 5734-LM3
25	SC28-6868-0			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED) PLUS COMPILER & LIBRARY USER SUPPLEMENT - PROGRAM NUMBER 5799-AAW
25	GC28-6872-0			SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV LIBRARY, OPTION 1 - PROGRAM PRODUCT DESIGN OBJECTIVE PROGRAM NUMBER 5746-LM3
25	GC28-6881-1			FORTRAN INTERACTIVE DEBUG FOR OS(TSO) AND VM/370(CMS) PROGRAM PRODUCT DESIGN OBJECTIVES, PROG. NO. 5734-FO5
25	GC28-6882-1			DISK OPERATING SYSTEM FORTRAN IV LIBRARY OPTION 1 - PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5746-LM3
25	SC28-6883-1			DOS FORTRAN IV LIBRARY OPTION/PROGRAMMERS'S GUIDE SUPPLEMENT - PROGRAM PRODUCT 5746-LM3
25	**GC28-6884-1			IBM FORTRAN PROGRAM PRODUCTS FOR OS AND THE CMS COMPONENT OF VM/370: GENERAL INFORMATION, PROG. NOS. 5734-FO1,2,3,5 -LM1,3,-CP3
25	SC28-6885-1	**SN28-0621		FORTRAN INTERACTIVE DEBUG FOR OS (TSO) TERMINAL USER'S GUIDE - PROGRAM PRODUCT 5734-FO5
25	SC28-6886-1			FORTRAN INTERACTIVE DEBUG FOR OS (TSO) INSTALLATION REFERENCE MATERIAL PROGRAM NUMBER 5734-FO5
25	GC28-6888-1			FORTRAN INTERACTIVE DEBUG FOR OS (TSO) PPS PROGRAM NUMBER 5734-FO5
25	SC28-6891-0	SN28-0609	SN28-0620	IBM VM/370 (CMS) TERMINAL USER'S GUIDE FOR FORTRAN IV PROGRAM NUMBERS 5734-FO1, 5734-FO2, 5734-FO3, 5734-LM1 AND 5734-LM3
30	**GC28-6892-0			THE CICS FEATURE OF VIDEO/370 FEATURE NUMBERS 6085/6086 (OS) 6038/6039 (DOS)
25	GC28-8193-0			IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV LIBRARY ASCII SUPPORT PROGRAM NUMBER 5736-LM1
25	GC28-8194-0			IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV LIBRARY ASCII SUPPORT PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-LM1
20	GC28-8200-1			SYSTEM/370 PROGRAM PRODUCTS: LANGUAGE AND SORT PROCESSORS -OS, DOS, VM/370-CMS (CATALOG)
29	GC28-8201-4#			IBM SYSTEM/360 OPERATING SYSTEM PL/I (F) LANGUAGE REFERENCE MANUAL
29	GC28-8202-3#	GN33-9138		DOS AND TOS PL/I SUBSET REFERENCE MANUAL
23	**SC28-8300-0			B IS FOR BASIC AN INTRODUCTION TO VS BASIC UNDER TSO PROG. NO. 5748-XX1
23	GC28-8301-0			IBM SYSTEM/370 VS BASIC: PROGRAM PRODUCT DESIGN OBJECTIVES PROGRAM NUMBER 5748-XX1
23	**GC28-8302-1			IBM SYSTEM/370 VS BASIC GENERAL INFORMATION - PROGRAM NUMBER 5748-XX1
23	**GC28-8303-0			SYSTEM/370 VS BASIC LANGUAGE
23	**SC28-8306-0			SYSTEM/370 VS BASIC CMS TERMINAL USER'S GUIDE PROG. NO. 5748-XX1
23	**SC28-8308-0			SYSTEM/370 VS BASIC DOS/VS AND OS/VS PROGRAMMER'S GUIDE NO. 5748-XX1 PROG. NO. 5748-XX1
23	**GC28-8311-0			IBM SYSTEM/370 VS BASIC PROGRAM - SPECIFICATIONS NUMBER 5748-XX1
30	**GC28-8313-0			VIDEO/370 INCLUDING THE CICS FEATURE GENERAL INFORMATION PROGRAM NUMBERS 5734-RC5 AND 5736-RC3
30	GC30-1007-2			OS/MFT AND OS/MVT TCAM COMPONENT LEVEL RELEASE GUIDE PROGRAM NUMBER 360S-CQ-548
30	GC30-2003-4			IBM SYSTEMS REFERENCE LIBRARY MANUAL - IBM SYSTEM/360 OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD MESSAGE PROCESSING PROGRAM SERVICES PROGRAM NUMBER 360S-CQ-519
30	GC30-2004-7	GN27-1420	GN27-1425	IBM SYSTEM/360 OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD PROGRAM NUMBER 360S-CQ-513
30	GC30-2005-3			IBM SYSTEMS REFERENCE LIBRARY IBM SYSTEM/360 OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD MESSAGE CONTROL PROGRAM PROGRAM NUMBER 360S-CQ-519
38	GC30-2006-5	GN28-0602	GN28-0611	IBM SYSTEM/360 OPERATING SYSTEM REMOTE JOB ENTRY PROGRAM NUMBER 360S-RC-536
38	GC30-2015-0			IBM SYSTEM/360 OPERATING SYSTEM REMOTE JOB ENTRY - PLANNING FOR IBM 2770 RJE SUPPORT
30	**GC30-2024-4			OS TCAM PROGRAMMER'S GUIDE AND REFERENCE MANUAL PROGRAM NUMBER 360S-CQ-548
30	GC30-2026-2#			IBM SYSTEM/360 OPERATING SYSTEM CONVERSION GUIDE FROM QUEUED TELECOMMUNICATIONS ACCESS METHOD OR BASIC TELECOMMUNICATIONS ACCESS METHOD TO TELECOMMUNICATIONS ACCESS METHOD SYSTEM REFERENCE LIBRARY PROGRAM NUMBER 360S-CQ-548
30	GC30-2028-1			PLANNING FOR TCAM WITH THE IBM 3705 COMMUNICATIONS CONTROLLER PROGRAM NUMBER 360S-CQ-548
30	GC30-3000-2			3704 AND 3705 COMMUNICATIONS CONTROLLERS, NETWORK CONTROL PROGRAM GENERATION & UTILITIES: GUIDE & REFERENCE MANUAL (FOR OS/MFT & OS/MVT TCAM USERS), PROG. NO. 360H-TX-038
30	**GC30-3001-4			IBM 3735 PROGRAMMER'S GUIDE (OS, DOS, AND VS SYSTEMS)

30	**GC30-3002-4	**GN30-3023		3704 & 3705 COMMUNICATIONS CONTROLLERS, EMULATION PROGRAM GENERATION AND UTILITIES, GUIDE AND REFERENCE MANUAL
30	GC30-3003-1			PROG. NOS. 360H-TX-033,35,36; 5735-SC1; 5744-AN1, 5747-AG1
09	**GC30-3004-2#			3704 AND 3705 COMMUNICATIONS CONTROLLERS ASSEMBLER LANGUAGE
	GC30-3004-1#	GN30-3012		IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS PRINCIPLES OF
30	**GC30-3005-3	**GN30-3022		OPERATION
30	GC30-3006-1			3704 & 3705 COMMUNICATIONS CONTROLLERS, EMULATION PROGRAM STORAGE & PERFORMANCE REFERENCE MANUAL
				IBM 3705 COMMUNICATIONS CONTROLLER NETWORK CONTROL PROGRAM STORAGE AND PERFORMANCE ESTIMATES FOR OS/TCAM AND OS/VIS TCAM USERS, PROG. NOS. 360H-TX-034, 360S-CQ-548, 5735-SC2
30	**GC30-3009-0			NCP/TCAM NETWORK USER'S GUIDE - PROG. NO. 5735-SC2
09	**GC30-3020-0			TELEPROCESSING PREINSTALLATION GUIDE FOR IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS
09	**GC30-3021-0			TELEPROCESSING INSTALLATION RECORD FOR IBM 3704 AND 3705 COMMUNICATIONS CONTROLLERS
30	GC30-5001-10	GN27-1423		IBM SYSTEM/360 DISK OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD PROGRAM NUMBER 360N-CQ-469
30	GC30-5003-4			DOS QTAM MESSAGE PROCESSING SERVICES, PROG. NO. 360N-CQ-470
30	GC30-5004-3			IBM SYSTEM/360 DISK OPERATING SYSTEM QTAM MESSAGE CONTROL PROGRAM NUMBER 360N-CQ-470
29	GC33-0001-2	GN33-6085	GN33-6095	OS PL/I OPTIMIZING COMPILER: GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-PL1
29	GC33-0003-2	GN33-6094	GN33-6109	OS PL/I CHECKOUT COMPILER: GENERAL INFORMATION PROGRAM NUMBERS 5734-PL2, 5734-LM4
29	GC33-0004-4	GN33-6110		DOS PL/I OPTIMIZING COMPILER: GENERAL INFORMATION MANUAL - PROG. PROD. 5736-PL1
29	**GC33-0005-3			DOS PL/I OPTIMIZING COMPILER: LANGUAGE REFERENCE MANUAL PROGRAM NOS. 5736-PL1, AND 5736-PL3
29	SC33-0006-2			OS PL/I OPTIMIZING COMPILER - PROGRAMMER'S GUIDE PROGRAM NUMBERS 5734-PL1, 5734-LM4, 5734-LM5
29	SC33-0007-1	**SN33-6104		SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER PROGRAMMER'S GUIDE - PROGRAM NUMBERS 5734-PL2, 5734-LM5
29	SC33-0008-2			DOS PL/I OPTIMIZING COMPILER: PROGRAMMER'S GUIDE - PROGRAM PRODUCTS 5736-PL1, 5736-LM4 AND 5736-LM5
29	GC33-0009-2#	GN33-6082	GN33-6098	OS PL/I OPTIMIZING AND CHECKOUT COMPILER LANGUAGE REFERENCE MANUAL PROGRAM NUMBERS 5734-PL1, 5734-PL2, 5734-PL3
		**GN33-6121		
29	GC33-0010-1			DOS PL/I OPTIMIZING COMPILER PROGRAM PRODUCT DESIGN OBJECTIVES - PROGRAM NUMBER 5736-PL1
29	GC33-0013-1			IBM SYSTEM/360 OPERATING SYSTEM PL/I OPTIMIZING COMPILER DESIGN OBJECTIVES - PROGRAM NUMBER 5734-PL1
29	**GC33-0016-6			DOS PL/I OPTIMIZING COMPILER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-PL1
29	**GC33-0017-6			DOS PL/I RESIDENT LIBRARY PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-LM4
29	**GC33-0018-6			DOS PL/I TRANSIENT LIBRARY PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-LM5
29	SC33-0019-1			DISK OPERATING SYSTEM/360 PL/I OPTIMIZING COMPILER: EXECUTION LOGIC PROGRAM NUMBERS 5736-PL1, 5736-LM4, 5736-LM5
29	SC33-0020-3	**SN33-6114		DOS PL/I OPTIMIZING COMPILER: INSTALLATION PROGRAM NOS. 5736-PL1, LM4, LM5
29	SC33-0021-2	**SN33-6116		DOS PL/I OPTIMIZING COMPILER: MESSAGES MANUAL, PROG. PROD. 5736-PL1, 5736-LM5
29	GC33-0022-5			SYSTEM/360 OS PL/I OPTIMIZING COMPILER PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-PL1
29	GC33-0023-5			OS PL/I RESIDENT LIBRARY - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-LM4
29	GC33-0024-5			OS PL/I TRANSIENT LIBRARY - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-LM5
29	SC33-0025-2			OS PL/I OPTIMIZING COMPILER: EXECUTION LOGIC PROGRAM NOS. 5734-PL1, 5734-LM4 AND 5734-LM5
29	SC33-0026-3	SN33-6102	SN33-6119	OS PL/I OPTIMIZING COMPILER: INSTALLATION - PROGRAM NUMBERS 5734-PL1, 5734-LM4, AND 5734-LM5 NOTE: THESE PRODUCTS ARE ALSO DISTRIBUTED AS COMPLETE PACKAGE 5734-PL3
29	SC33-0027-2			OPERATING SYSTEM PL/I OPTIMIZING COMPILER: MESSAGES PROG. NOS. 5734-PL1, 5734-LM5
29	SC33-0029-2			OS PL/I OPTIMIZING COMPILER: TSO USER'S GUIDE
29	**GC33-0030-3			OS PL/I CHECKOUT COMPILER - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-PL2
29	**SC33-0031-3			OS PL/I CHECKOUT COMPILER: INSTALLATION - PROGRAM PRODUCTS 5734-PL2 AND 5734-LM5
29	SC33-0032-1			SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER EXECUTION LOGIC MANUAL - PROGRAM NUMBERS 5734-PL2 5734-LM5
29	SC33-0033-2			OS PL/I CHECKOUT COMPILER: TSO USER'S GUIDE - PROGRAM NUMBER 5734-PL2
29	SC33-0034-1	**SN33-6106		SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER: MESSAGES MANUAL - PROGRAM NUMBERS 5734-PL2, 5734-LM5
29	SC33-0035-1	**SN33-6120		DOS PL/I TRANSIENT LIBRARY: MESSAGES SYSTEM LIBRARY MANUAL PROGRAM NUMBER 5736-LM5
29	GC33-0036-0			PL/I UNDER CMS - PROGRAM PRODUCT DESIGN OBJECTIVES: PL/I OPTIMIZING COMPILER, PROG. NO. 5734-PL1
				PL/I RESIDENT LIBRARY, PROG. NO. 5734-LM4
				PL/I TRANSIENT LIBRARY, PROG. NO. 5734-LM5
29	SC33-0037-1			OS PL/I OPTIMIZING COMPILER: CMS USERS GUIDE - PROGRAM NUMBER 5734-PL1
29	GC33-0041-0			OS/ PL/I CHECKOUT COMPILER, VERSION 1 RELEASE 2: PROGRAM PRODUCT 5734-PL2 DESIGN OBJECTIVES
29	GC33-0046-0			DOS PL/I OPTIMIZING COMPILER, RESIDENT LIBRARY & TRANSIENT LIBRARY: PROG. PRODS. 5736-PL1, LM4, LM5, DESIGN OBJECTIVES

29 \*\*SC33-0047-0 OS PL/I CHECKOUT COMPILER: CMS USER'S GUIDE - PROGRAM  
NUMBERS: 5734-PL2, 5734-LM5

29 GC33-0048-0 OS PL/I CHECKOUT COMPILER, VERSION 1 RELEASE 2

26 GC33-2000-2# MODIFICATION 1: PROGRAM PRODUCT 5734-PL2 DESIGN OBJECTIVES

24 GC33-2001-2# IBM SYSTEM/360 CONVERSION AIDS: ALGOL-TO-PL/I  
LANGUAGE CONVERSION PROGRAM FOR IBM SYSTEM/360  
OPERATING SYSTEM, PROGRAM NUMBER 360C-CV-711

25 GC33-2002-2# IBM SYSTEM/360 CONVERSION AIDS: COBOL-TO-PL/I LANGUAGE  
CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATION SYSTEM  
PROGRAM NUMBER 360C-CV-712

35 GC33-2003-0 IBM SYSTEM/360 CONVERSION AIDS: FORTRAN IV-TO-PL/I LANGUAGE  
CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATING SYSTEM - SRL  
MANUAL - PROGRAM NUMBER 360C-CV-710

35 GC33-2004-3 GN33-7058 IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 SIMULATOR  
FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-754

35 GC33-2005-2# GN33-7032 GN33-7059 1401/1440/1460/DOS EMULATOR ON MODELS 135/145/155 REFERENCE  
MANUAL - PROGRAM NUMBER 370N-EU-490

35 GC33-2006-3 1410/7010 DOS EMULATOR ON MODELS 145/155 REFERENCE MANUAL  
PROGRAM NUMBER 370N-EU-490

35 GC33-2008-3 MODEL 20 DOS EMULATOR ON SYSTEM/370 REFERENCE (370N-IC-002)

35 GC33-2009-2 GN33-7040 1401/1440/1460 OS EMULATOR ON SYSTEM/370 REFERENCE MANUAL  
PROGRAM NUMBERS 360C-EU-735 AND 5744-AH1

35 GC33-2010-0 1410/7010 EMULATOR ON SYSTEM/370 145/155 - REFERENCE, PROG.  
NOS. 360C-EU-736 AND 5744-AG1

26 GC33-4000-3 GN12-5900 MODEL 20 EMULATOR ON SYSTEM/370 USING DOS AND DOS/V5  
PLANNING - PROG. NO. 360N-IC-002; COMPONENT NO. 5745-SC-E20

33 SC33-4004-3 IBM SYSTEM/360 OPERATING SYSTEM ALGOL PROGRAMMER'S GUIDE  
PROGRAM NUMBERS 360S-AL-531; 360S-LM-532

33 GC33-4006-2 OS SORT/MERGE SYSTEM INFORMATION: SYSTEM GENERATION/INSTAL-  
LATION, STORAGE REQUIREMENTS, MESSAGES - PROG. NO. 5734-SM1

33 SC33-4007-3 IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE  
PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-SM1

21 GC33-4014-0 IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE  
PROGRAMMER'S GUIDE - PROGRAM NUMBER 5734-SM1

33 GC33-4015-0 IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (E)  
INSTALLATION GUIDE PROGRAM NUMBER 360S-AS-036

33 GC33-4017-1 IBM SYSTEM/370 MODEL 155 SORT/MERGE TIMING ESTIMATES  
PLANNING GUIDE  
PROGRAM NUMBER 360S-SM-023

33 SC33-4018-1 IBM SYSTEM/360 DOS SORT MERGE DESIGN OBJECTIVES  
PROG. NO. 5743-SM1

33 GC33-4019-1 DOS SORT/MERGE PROGRAMMER'S GUIDE - PROGRAM NUMBER 5743-SM1

33 GC33-4020-3 DOS SORT/MERGE SPECIFICATIONS - PROGRAM NUMBER 5743-SM1

33 GC33-4022-1 IBM SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE  
GENERAL INFORMATION, PROGRAM NUMBER 5743-SM1

33 SC33-4023-1 SYSTEM/360 OPERATING SYSTEM SORT/MERGE GENERAL INFORMATION  
MANUAL - PROGRAM NUMBER 5734-SM1

33 GC33-4025-0 DOS SORT/MERGE INSTALLATION REFERENCE MANUAL  
PROGRAM NUMBER 5743-SM1

33 SC33-4026-0 DOS/V5 SORT/MERGE SPECIFICATIONS - PROGRAM NUMBER 5746-SM1

33 GC33-4027-1 DOS/V5 SORT/MERGE INSTALLATION REFERENCE MANUAL  
PROG. PROD. 5746-SM1

33 SC33-4028-1 DOS/V5 SORT/MERGE DESIGN OBJECTIVES - PROGRAM PRODUCT  
5746-SM1

21 SC33-4029-0 SN33-8163 DOS/V5 SORT/MERGE PROGRAMMER'S GUIDE - PROGRAM PRODUCT  
5746-SM1

33 GC33-4030-1 \*\*GN33-8180 OS TSO ASSEMBLER PROMPTER INSTALLATION REFERENCE MANUAL  
PROGRAM NUMBER 5734-CP2

33 GC33-4031-0 OS/V5 SORT/MERGE GENERAL INFORMATION - PROGRAM NUMBER  
5746-SM1

33 GC33-4032-0 OS/V5 SORT/MERGE PROGRAM PRODUCT 5740-SM1 DESIGN OBJECTIVES

33 GC33-4033-1 OS/V5 SORT/MERGE: PROG. PROD. 5740-SM1 SPECIFICATIONS

33 SC33-4034-0 OS/V5 SORT/MERGE GENERAL INFORMATION - PROGRAM PRODUCT  
5740-SM1

33 SC33-4035-0 OS/V5 SORT/MERGE INSTALLATION REFERENCE MANUAL - PROG. PROD.  
5740-SM1

32 GC33-5000-0 OS/V5 SORT/MERGE PROGRAMMER'S GUIDE  
PROGRAM PRODUCT 5740-SM1

32 SC33-5001-0 IBM SYSTEM/360 DISK OPERATING SYSTEM ASCII MAGNETIC TAPE  
UTILITIES  
PROGRAM NUMBER 5736-UT2

32 GC33-5002-0 IBM SYSTEM/360 DOS ASCII MAGNETIC TAPE UTILITIES  
PROGRAM GUIDE - PROGRAM NUMBER 5736-UT2

30 GC33-5004-0 SYSTEM/360 DOS ASCII MAGNETIC TAPE UTILITIES PROGRAM  
PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-UT2

20 GC33-5007-0 GN33-8722 SYSTEM/360 DOS PLANNING GUIDE FOR PROGRAMMING THE 3330  
DIRECT ACCESS STORAGE FACILITY

34 GC33-5008-1# SYSTEM/370 DISK OPERATING SYSTEM VERSION 4 - MANUAL

40 GC33-5009-1 DOS VERSION 4 SYSTEM GENERATION

01 \*\*GC38-0005-4 DOS VERSION 4 MESSAGES - SYSTEMS REFERENCE LIBRARY MANUAL

01 GC38-0015-4# PROGRAM NUMBER 370N-CL-453

01 GC38-0015-3# GN24-0633 \*\*GN24-0645 OPERATOR'S LIBRARY: SYSTEM/370 MODEL 135 PROCEDURES

01 \*\*GC38-0025-1 IBM SYSTEM/370 MODEL 145 OPERATING PROCEDURES

01 GC38-0030-0 \*\*GN22-0479 IBM SYSTEM/370 MODEL 158 OPERATING PROCEDURES

14 GC50-0001-2# SYSTEM/370 MODEL 168 OPERATING PROCEDURES

76 GE20-0022-1# IBM 2701 DATA ADAPTER UNIT AND ASCII AUTODIN ADAPTER  
(RPQ F16124): PRINCIPLES OF OPERATION

63 GE20-0188-5# \*\*GN20-3208 PUBLIC UTILITY CUSTOMER ACCOUNTING WITH THE IBM SYSTEM/360  
ONLINE COMMUNICATION SYSTEM  
RETAIL IMPACT (INVENTORY MANAGEMENT PROGRAM AND CONTROL  
TECHNIQUES): APPLICATION DESCRIPTION  
PROG. NOS. 360A-DR-04X, 05X, 08X, 09X

67	GE20-0228-1#			OPTIMUM BOND BIDDING - USER'S MANUAL PROGRAM NUMBER 360A-FI-06X
67	GE20-0246-1#			SYSTEM/360 DEMAND DEPOSIT ACCOUNTING APPLICATION DESCRIPTION PROGRAM NUMBER 360A-FB-15X
73	GE20-0256-2			SYSTEM/360 TEXT PROCESSOR -- COMPOSITION/360, APPLICATION DESCRIPTION PROGRAM NUMBER 360A-DP-08X
73	GE20-0257-2	GN20-3151		SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 APPLICATION DESCRIPTION, PROGRAM NUMBER 360A-DP-07X
63	GE20-0306-1			1287 INPUT CONVERSION PROGRAM, APPLICATION DESCRIPTION PROGRAM NUMBER 360A-DR-07X
85	GE20-0312-2#			PREFACE TO PL/I PROGRAMMING IN SCIENTIFIC COMPUTING
73	GE20-0324-1			SYSTEM/360 TEXT PROCESSOR -- EDIT/360, APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-K11
73	**GE20-0328-2			SYSTEM/360 TEXT PROCESSOR - PAGINATION/360 APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-K12
82	GE20-0350-0			A PREFACE TO LINEAR PROGRAMMING AND ITS APPLICATIONS
85	GF20-0012-0			PREPARING BRILLE USING SYSTEM/360
85	GF20-0015-2#			INTRODUCTION TO THE LIST PROCESSING FACILITIES OF PL/I
85	GF20-0019-0			TECHNIQUES FOR PROCESSING POINTER LISTS AND LISTS OF LISTS IN PL/I
85	GF20-0020-0			TECHNIQUES FOR PROCESSING RELOCATABLE LISTS IN PL/I
85	GF20-0385-0			AN INTRODUCTION TO MICROPROGRAMMING
00	GF20-8172-8			BIBLIOGRAPHY OF DATA PROCESSING TECHNIQUES
82	GH12-5102-0	GN12-5009		SYSTEM/360 AND SYSTEM/370 MATRIX SYSTEM (MATSYS) (OS AND TSO) GENERAL INFORMATION MANUAL - PROGRAM PRODUCT 5734-XM7
82	GH12-5103-0	**GN12-5025		IBM SYSTEM/360 AND SYSTEM/370, IBM 1130 AND 1800 SUBROUTINE LIBRARY-MATHEMATICS (SL-MATH) GENERAL INFORMATION MANUAL PROG. NOS. 5736-XM7, 5711-XM2
82	SH12-5403-0	SN12-5010		MATRIX SYSTEM (MATSYS) (OS AND TSO) - PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XM7
79	SH12-5407-0	SN12-5012	SN12-5007	IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION RETRIEVAL SYSTEM (STAIRS), PROGRAM PRODUCT REFERENCE MANUAL - PROGRAM NUMBER 5734-XR3
80	**SH12-5411-0	**SN20-9046		DL/1 DOS/VS APPLICATION PROGRAMMING REFERENCE MANUAL PROGRAM PRODUCT 5746-XX1
80	**SH12-5412-0	**SN20-9047		DL/1 DOS/VS UTILITIES AND GUIDE FOR THE SYSTEM PROGRAMMER PROGRAM PRODUCT 5746-XX1
80	**SH12-5414-0	**SN20-9048		DL/1 DOS/VS OPERATOR'S REFERENCE MANUAL AND MESSAGES AND CODES, PROG. PROD. 5746-XX1
82	SH12-5505-0*	SN12-5011		SYSTEM/360 AND SYSTEM/370 MATRIX SYSTEM (MATSYS) (OS AND TSO) - OPERATIONS MANUAL - PROGRAM PRODUCT 5734-XM7
79	SH12-5509-1			IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION RETRIEVAL SYSTEM (STAIRS), OPERATION GUIDE PROGRAM PRODUCT 5734-XR3
81	GH19-0014-1	GN19-0085		IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360) FOR PROJECT CONTROL SYSTEM/360 APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XP2
81	SH19-0026-0			IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360) FOR PROJECT CONTROL SYSTEM/360 PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER: 5736-XP2
79	GH19-0044-0*	**GN19-0164		AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370, GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)
79	SH19-0045-1*	**SN19-0165		AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTALLATION GUIDE DOS - PROGRAM PRODUCT 5736-DC1
79	SH19-0046-0*	**SN19-0163		AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTRUCTOR'S GUIDE PROGRAM PRODUCT - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)
79	SH19-0047-0*			AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 OPERATIONS GUIDE PROGRAM PRODUCT - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)
79	SH19-0048-1*	**SN19-0162		AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 COBOL SERIES REFERENCE MANUAL PROGRAM PRODUCT - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)
79	SH19-0049-0*	**SN19-0161		AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 FORTRAN SERIES REFERENCE MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)
79	SH19-0050-0*	**SN19-0160		AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 ASSEMBLY SERIES REFERENCE MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)
79	SH19-0051-0*	**SN19-0159		AUTOFLOW IBM SYSTEM/360 AND SYSTEM/370 PL/I SERIES REFERENCE MANUAL - PROGRAM PRODUCTS 5734-DC1 (OS) AND 5736-DC1 (DOS)
79	SH19-0052-1*	SN19-0158		AUTOFLOW, IBM SYSTEM/360 AND SYSTEM/370 INSTALLATION GUIDE OS - PROGRAM PRODUCTS 5734-DC1
79	GH19-0057-0*			AUTOFLOW FOR PL/I, COBOL, FORTRAN AND ASSEMBLER PROGRAM SPECIFICATIONS - PROGRAM PRODUCTS 5734-DC1 AND 5736-DC1
79	GH19-0058-0*			AUTOFLOW COMPUTER DOCUMENTATION SYSTEM PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-DC1
79	GH19-1008-2*	GN19-6131		SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT) FOR COBOL AND PL/I 5734-XR2
79	SH19-1009-2*	SN19-6132		SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT) FOR COBOL AND PL/I PROGRAM DESCRIPTION MANUAL - PROGRAM PRODUCT 5734-XR2
79	SH19-1010-1*	SN19-6133		SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR (DECTAT) FOR COBOL AND PL/I OPERATION MANUAL - PROGRAM NUMBER 5734-XR2
79	GH19-1028-1*			SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES STAF/OS - GENERAL INFORMATION MANUAL - PROGRAM PRODUCT 5734-XA2
79	SH19-1030-1*			STAF/OS PROGRAM REFERENCE MANUAL PROGRAM NUMBER 5734-XA2

79	SH19-1031-0*	SN19-6094		IBM SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES (STAF/OS) OPERATIONS GUIDE - PROGRAM PRODUCT 5734-XA2
81	GH19-1038-1			SYSTEM/360 AND SYSTEM/370 BUDGETS AND PLANS GENERATOR BUDDPLAN GENERAL INFORMATION MANUAL
81	SH19-1040-2	**SN19-6213		PROGRAM PRODUCT 5734-F51
81	SH19-1041-1	**SN19-6212		SYSTEM/360 AND SYSTEM/370 BUDGETS AND PLANS GENERATOR (BUDDPLAN): PROGRAM REFERENCE MANUAL, PROG. NO. 5734-F51
81	GH19-1042-1*			BUDDPLAN/OS OPERATIONS GUIDE PROG. NO. 5734-F51
81	SH19-1061-0			BUDGETS AND PLANS GENERATOR (BUDDPLAN) SPECIFICATIONS S/360/370 OS AND OS/VIS - PROGRAM PRODUCT 5734-F51
81	SH19-1062-1			SYSTEM/370 DOS/VIS BUDGETS AND PLANS GENERATOR (BUDDPLAN) PROGRAM REFERENCE MANUAL PROGRAM NUMBER 5746-F51
78	GH19-2000-0			BUDDPLAN DOS/VIS OPERATOR'S GUIDE - PROGRAM PRODUCT 5746-F51
78	SH19-2304-0	SN12-5000		IBM VEHICLE SCHEDULING PROGRAM--EXTENDED GENERAL INFORMATION MANUAL
78	SH19-2607-0	SN12-5001		PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)
78	SH19-2608-0			IBM VEHICLE SCHEDULING PROGRAM--EXTENDED (OS AND DOS) PROGRAM DESCRIPTION MANUAL
78	GH19-2903-0			PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)
81	GH19-4000-0	GN19-6123	GN19-6139	IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (OS) OPERATIONS MANUAL, PROGRAM NUMBER 5734-XM5
81	SH19-4001-0	SN19-6140		IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS) OPERATIONS MANUAL, PROGRAM NUMBER 5736-XM3
81	SH19-4002-2			IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS) SPECIFICATIONS - PROGRAM NUMBER 5736-XM3
82	GH19-5012-1#			FORECASTING AND MODELING SYSTEM (FAMS) GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION), 5734-XS7 (OS VERSION)
72	SH19-5029-0	SN19-5080		FORECASTING AND MODELING SYSTEM (FAMS) PROGRAM REFERENCE MANUAL - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION), 5734-XS7 (OS VERSION)
83	GH19-5035-0			FAMS OPERATIONS GUIDE
83	SH19-5038-0	SN19-5076	SN19-5087	MATRIX GENERATOR AND REPORT WRITER GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-XMC
83	GH19-5039-0	SN19-5089		SYSTEM/370 APT-BP, SYSTEM/370 APT-IC, AND SYSTEM/370 APT-AC NUMERICAL CONTROL PROCESSORS: PROGRAM REFERENCE MANUAL VOL.2
82	GH19-5041-2*			PROGRAM NOS. 5740-M51, M52, M53
82	GH19-5042-1#			SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) - PROGRAM PRODUCT GENERAL INFORMATION MANUAL - PROGRAM NO. 5734-XXB
83	SH19-5060-0	SN19-5077		SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) OPERATIONS GUIDE PROGRAM PRODUCT 5734-XXB
83	GH19-7000-1	GN19-0117	GN19-0151	SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) PROGRAM SPECIFICATIONS - PROGRAM PRODUCT 5734-XXB
83	SH19-7001-2			IBM SYSTEM/360 AND SYSTEM/370 MATRIX GENERATOR AND REPORT WRITER (MGRW) PROGRAM NO. 5734-XMC SPECIFICATIONS
83	SH19-7002-1			MATRIX GENERATOR AND REPORT WRITER (MGRW) PRIMER PROGRAM PRODUCT 5734-XMC
83	SH19-7003-1			SIMPL/I (SIMULATION LANGUAGE BASED ON PL/I) PROGRAM REFERENCE MANUAL - PROGRAM PRODUCT 5734-XXB
83	SH19-7004-1			CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) AND GRAPHIC FEATURE (CSMP III GRAPHIC FEATURE) GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-XS9
83	GH19-7010-0			CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XS9
14	**GH19-7024-0			CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) OPERATIONS GUIDE - PROGRAM NUMBER 5734-XS9
71	GH20-0126-4	GN20-2100	GN20-2176	CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC FEATURE - PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XS9
82	GH20-0136-4#	GN20-2516		CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC FEATURE OPERATIONS GUIDE - PROGRAM NUMBER 5734-XS9
67	GH20-0149-3	GN20-1079		GRAPHIC FEATURE FOR THE CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-XS9
30	GH20-0165-1			IBM 3277 DISPLAY STATION CUSTOM FEATURE DESC. 1980-C24 PRINTER ATTACHMENT RPQ U58950
82	GH20-0166-5			ADVANCED LIFE INFORMATION SYSTEM (DOS): APPLICATION DESCRIPTION MANUAL, PROG. NOS. 360A-IL-09X, 5736-N11
63	GH20-0173-3	**GN20-3221		MATHEMATICAL PROGRAMMING SYSTEM/360 APPLICATION DESCRIPTION, PROG. NOS. 360A-CO-14X (MPS/360), -15X (MARVEL), AND -20X (MPSRG)
72	GH20-0181-2			SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING CAPABILITY (360A-FB-16X) APPLICATION DESCRIPTION
83	GH20-0186-3#			COMMUNICATION CONTROL APPLICATION PROGRAM (360A-SC-01X) APPLICATION DESCRIPTION
32	GH20-0194-1			SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (360A-CM-03X) VERSION III APPLICATION DESCRIPTION
72	GH20-0197-3#			SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) - APPLICATION DESCRIPTION
79	GH20-0199-2#			SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSIONS 3 AND 4 (360-CN-10X) APPLICATION DESCRIPTION
64	GH20-0202-1			GENERAL PURPOSE SIMULATION SYSTEM/360 - APPLICATION DESCRIPTION PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X
				SYSTEM/360 DATA CONVERSION UTILITIES - APPLICATION DESCRIPTION PROGRAM NUMBERS, 360A-SE-15X, 360A-SE-20X, 360A-SE-26X
				S/360 BILL OF MATERIAL PROCESSOR (360A-ME-06X) APPLICATION DESCRIPTION
				FLOWCHART - APPLICATION DESCRIPTION PROGRAM NUMBERS 360A-SE-22X
				STUDENT SCHEDULING SYSTEM/360 APPLICATION DESCRIPTION PROGRAM NUMBERS 360A-US-06X, 360A-US-07X

82	GH20-0205-4#			SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (360A-CM-03X) VERSION III PROGRAMMER'S MANUAL
81	GH20-0210-1			PROJECT MANAGEMENT SYSTEM (360A-CP-04X) VERSION 2 FOR IBM SYSTEM/360 - APPLICATION DESCRIPTION
24	GH20-0217-0			SYSTEM/360 COBOL EDIT ON THE 1401 PROGRAM REFERENCE MANUAL (1401-SE-13X)
64	GH20-0220-0			STUDENT SCHEDULING SYSTEM/360 THE TALLY AND CONFLICT MATRIX PROGRAMS (360A-US-06X) USER'S MANUAL
81	GH20-0222-2			SYSTEM/360 PROJECT CONTROL SYSTEM (360A-CP-06X) VERSION 2 APPLICATION DESCRIPTION
32	GH20-0232-1			SYSTEM/360 DATA CONVERSION UTILITY I PROGRAMMER'S MANUAL (360A-SE-15X)
32	GH20-0233-1			SYSTEM/360 DATA CONVERSION UTILITY I OPERATOR'S MANUAL (360A-SE-15X)
64	GH20-0239-1			STUDENT SCHEDULING SYSTEM/360 THE SCHEDULER PROGRAM (360A-US-07X) USER'S MANUAL
83	GH20-0240-3			SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM (360A-CX-16X) APPLICATION DESCRIPTION
30	GH20-0242-1			SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360 APPLICATION DESCRIPTION
30	GH20-0243-1			PROGRAM NUMBER 360A-SE-33X SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360 APPLICATION DESCRIPTION
30	GH20-0244-1			COMMUNICATIONS CONTROL APPLICATION PROGRAM (360A-SC-01X) PROGRAMMER'S MANUAL
30	GH20-0245-0			COMMUNICATIONS CONTROL APPLICATION PROGRAM (360A-SC-01X) (CCAP) OPERATOR'S MANUAL
72	GH20-0246-2	GN20-2011 GN20-2213	GN20-1870	S/360 BILL OF MATERIAL PROCESSOR (360-ME-06X) VERSION 2 PROGRAMMER'S MANUAL
72	GH20-0254-2#			S/360 BILL OF MATERIAL PROCESSOR (360A-ME-06X) VERSION 2 OPERATOR'S MANUAL
63	GH20-0255-2	GN20-2201 **GN20-3210	GN20-2262	SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) - USER'S MANUAL
63	GH20-0256-3#	**GN20-3209		SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY (360A-DW-05X) - OPERATOR'S MANUAL
67	GH20-0262-0			SYSTEM/360 DEMAND DEPOSIT ACCOUNTING (360A-FB-15X) - --OPERATOR'S MANUAL
67	GH20-0263-2			SYSTEM/360 DEMAND DEPOSIT ACCOUNTING (360A-FB-15X) PROGRAMMER'S MANUAL
71	GH20-0283-4	GN20-2900		PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS): APPLICATION DESCRIPTION, PROG. NOS. 5736-N21/22/24/25 AND 360A-IF-10X/11X/13X
32	GH20-0285-0	GN20-1006		SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2 PROGRAMMER'S MANUAL (360A-SE-26X)
32	GH20-0286-0			SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2 OPERATOR'S MANUAL
82	GH20-0290-3	GN20-1999	GN20-1078	PROGRAM NUMBER 360A-SE-26X MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) VERSION 2 CONTROL LANGUAGE USER'S MANUAL
79	GH20-0293-2			SYSTEM/360 FLOWCHART USER'S MANUAL (360A-SE-22X)
79	GH20-0294-1	GN20-1943		SYSTEM/360 FLOWCHART OPERATOR'S MANUAL PROGRAM NUMBER 360A-SE-22X
79	GH20-0297-3			SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS) (360A-CX-19X) APPLICATION DESCRIPTION MANUAL
74	GH20-0302-3			SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) VERSION 2 APPLICATION DESCRIPTION, PROG. NO. 360A-UH-11X
83	GH20-0304-4	GN20-2419		GENERAL PURPOSE SIMULATION SYSTEM/360 INTRODUCTORY USER'S MANUAL PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X
67	GH20-0305-1	GN20-2205		SYSTEM/360 ON LINE TELLER PROGRAM WITH BACKGROUND PROCESSING CAPABILITY (PROGRAM NUMBER 360A-FB-16X) PROGRAMMER'S MANUAL
72	GH20-0309-5#			SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSION 4 PART PROGRAMMING MANUAL PROGRAM NUMBER 360A-CN-10X
83	GH20-0311-3	GN20-2420		GENERAL PURPOSE SIMULATION (360A-CS-17X) SYSTEM/360-OS - OPERATOR'S MANUAL
32	GH20-0314-1	GN20-1091		SYSTEM/360 DATA CONVERSION UTILITY II, VERSION 3 (DIRECT ACCESS INDEXED SEQUENTIAL) - OPERATOR'S MANUAL (360A-SE-20X)
79	GH20-0315-0			IBM SYSTEM/360 DOCUMENT PROCESSING SYSTEM (360A-CX-12X) APPLICATION DESCRIPTION
81	GH20-0318-7			CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OS-STANDARD V1 WITH LANGUAGE/TERMINAL (L/T) FEATURE: APPLICATION DESCRIPT- TION, PROG. NO. 5736-U11
30	GH20-0319-2#			SYSTEM/360 DATA CONVERSION AND LABEL PROCESSING SUBROUTINES, VERSION 2 PROGRAM REFERENCE MANUAL (360A-SE-23X)
36	GH20-0321-8			IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2 CONSOLE OPERATOR'S MANUAL PROGRAM NUMBER 360A-CX-15X
36	GH20-0322-7			IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2, APPLICATION PROGRAMMER'S MANUAL PROGRAM NUMBER 360A-CX-15X
36	GH20-0323-8			IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2, SYSTEM PROGRAMMER'S MANUAL PROGRAM NUMBER 360A-CX-15X
67	GH20-0325-1	GN20-2204		SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING CAPABILITY (PROGRAM NUMBER 360A-FB-16X) OPERATOR'S MANUAL
83	GH20-0326-4	GN20-2470		GENERAL PURPOSE SIMULATION SYSTEM/360 USER'S MANUAL
83	GH20-0327-3			GENERAL PURPOSE SIMULATION SYSTEM/360, DISK OPERATING SYSTEM (360A-CS-19X) OPERATOR'S MANUAL
72	GH20-0329-2#			SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL PROGRAM APPLICATION DESCRIPTION PROGRAM NUMBERS 360A-ME-07X
72	GH20-0331-6			SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR (360A-CN-10X) VERSION 4 OPERATIONS MANUAL



81	GH20-0344-2			PROJECT MANAGEMENT SYSTEM/360 (360A-CP-04X) VERSION 2
30	GH20-0346-0	GN20-1903		PROGRAM DESCRIPTION AND OPERATIONS MANUAL
30	GH20-0347-1#			SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360
30	GH20-0349-1#			OPERATOR'S MANUAL (360A-SE-32X)
30	GH20-0350-1			SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360
79	GH20-0352-2			OPERATOR'S MANUAL (360A-SE-33X)
38	GH20-0354-2	GN20-2365		1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM - APPLICATION
38	GH20-0355-1	GN20-1937		DESCRIPTION (360A-SE-19X)
83	GH20-0367-4			SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX)
83	GH20-0368-3			(360A-CX-17X) VERSION 4 PROGRAM DESCRIPTION MANUAL
72	GH20-0369-0			SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX)
72	GH20-0370-0			(360A-CX-17X) VERSION 3 OPERATIONS MANUAL
82	GH20-0372-3			SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM (360A-CX-16X)
72	GH20-0373-2			USER'S MANUAL
72	GH20-0374-2			SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM (360A-CX-16X)
72	GH20-0375-2#			OPERATIONS MANUAL
81	GH20-0376-3#			SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL PROGRAM
72	GH20-0462-0	GN20-1064		(360A-ME-07X) PROGRAMMER'S MANUAL
72	GH20-0463-0	GN20-1065		SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL PROGRAM
78	GH20-0464-2#			(360A-ME-07X) OPERATOR'S MANUAL
72	**GH20-0471-3			MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) VERSION 2
82	GH20-0476-2#	GN20-1077		READ COMMUNICATIONS FORMAT (READCOMM)
79	GH20-0477-2#			PROGRAM REFERENCE MANUAL
82	GH20-0479-1	GN20-2069		S/360 AUTOSPOT NUMERICAL CONTROL PROCESSOR VERSION 2:
63	GH20-0480-1#	GN20-2586		"PART" PROGRAMMING MANUAL - PROG. NO. 360A-CN-08X
63	GH20-0481-1	GN20-3220		S/360 AUTOSPOT (360A-CN-08X) AND AD-APT/AUTOSPOT
71	GH20-0483-1	GN20-2108	GN20-2177	(360A-CN-09X) NUMERICAL CONTROL PROCESSORS-VERSION 2
72	**GH20-0487-4	GN20-2517		OPERATOR'S MANUAL
31	GH20-0490-1			SYSTEM/360 AD-APT/AUTOSPOT NUMERICAL CONTROL PROCESSOR
25	GH20-0492-1			(360A-CN-09X) VERSION 2 PART PROGRAMMING MANUAL
82	GH20-0496-1#			PROJECT CONTROL SYSTEM/360 (360A-CP-06X) VERSION 2
71	GH20-0497-2			PROGRAM DESCRIPTION AND OPERATIONS MANUAL
71	GH20-0498-2			S/360 AUTOSPOT NUMERICAL CONTROL PROCESSOR: APPLICATION
71	GH20-0499-1			DESCRIPTION, PROG. NO. 360A-CN-08X
71	GH20-0500-1			SYSTEM/360 AD-APT/AUTOSPOT NUMERICAL CONTROL PROCESSOR
71	GH20-0501-0			(360A-CN-09X) APPLICATION DESCRIPTION
71	GH20-0503-1	GN20-2174		IBM SYSTEM/360 VEHICLE SCHEDULING PROGRAM (360A-ST-06X)
71	GH20-0504-1	GN20-2173		APPLICATION DESCRIPTION
82	GH20-0505-1			SYSTEM/360 INVENTORY CONTROL APPLICATION DESCRIPTION
78	GH20-0506-1#			MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) LINEAR
79	GH20-0508-1	GN20-2135		AND SEPARABLE PROGRAMMING - USER'S MANUAL
79	GH20-0509-1			IBM SYSTEM/360 DOCUMENT PROCESSING SYSTEM (360A-CX-12X)
79	GH20-0510-2			PROGRAM DESCRIPTION AND OPERATIONS MANUAL
				SYSTEM/360 MATRIX LANGUAGE (MATLAN) (360A-CM-05X)
				APPLICATION DESCRIPTION
				IBM RETAIL IMPACT FASHION SYSTEM UNDER OPERATING SYSTEM/360
				(360A-DR-04X) - PROGRAM DESCRIPTION MANUAL
				RETAIL IMPACT FASHION SYSTEM UNDER OPERATING SYSTEM/360
				(360A-DR-04X) - OPERATIONS MANUAL
				ADVANCED LIFE INFORMATION SYSTEM (DOS): POLICY MASTER RECORD
				CODE BOOK, PROG. NOS. 360A-IL-09X, 5736-N11
				SYSTEM/360 REQUIREMENTS PLANNING APPLICATION DESCRIPTION
				PROGRAM NUMBER 360A-MF-05X
				PROBLEM LANGUAGE ANALYZER (PLAN) APPLICATION DESCRIPTION
				PROGRAM NUMBERS 1130-CX-25X 360A-CX-26X 360A-CX-27X
				SYSTEM/360 DECISION LOGIC TRANSLATOR
				APPLICATION DESCRIPTION
				PROGRAM NUMBER 360A-CX-32X
				MARVEL/360 (360A-CO-15X) PRIMER
				PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
				BASIC PROGRAM (360A-IF-10X) PROGRAM DESCRIPTION AND
				SYSTEM MANUAL
				PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
				BASIC PROGRAM (360A-IF-10X) OPERATIONS MANUAL
				PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
				AUTOMOBILE PREMIUM PROCESSING PROGRAM DESCRIPTION AND
				SYSTEM MANUAL PROGRAM NUMBERS: 360A-IF-11X, 5736-N21
				PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
				AUTOMOBILE CLAIMS PROCESSING (360A-IF-11X)
				PROGRAM DESCRIPTION AND SYSTEM MANUAL
				PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
				PROGRAM DESCRIPTION MANUAL
				PROGRAM NUMBERS 360A-IF-10X, 360A-IF-11X, 360A-IF-13X,
				5736-N21
				PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
				OTHER LINES PREMIUM PROCESSING (360A-IF-13X)
				PROGRAM DESCRIPTION AND SYSTEM MANUAL
				PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS)
				OTHER LINES CLAIMS PROCESSING (360A-IF-13X)
				PROGRAM DESCRIPTION AND SYSTEM MANUAL
				MARVEL/360 (360A-CO-15X) PROGRAM DESCRIPTION MANUAL
				SYSTEM/360 VEHICLE SCHEDULING PROGRAM (360A-ST-06X) PROGRAM
				DESCRIPTION AND OPERATIONS MANUAL
				SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS)
				(360A-CX-18X) PROGRAM DESCRIPTION MANUAL
				SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS)
				(360A-CX-18X) TERMINAL OPERATOR'S MANUAL
				SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS)
				(360A-CX-18X) APPLICATION DESCRIPTION

79	GH20-0511-1			SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS) (360A-CX-18X) COMPUTER CENTER OPERATOR'S MANUAL
82	GH20-0513-1			LINEAR PROGRAMMING SYSTEM/360 (LPS/360) (360A-CO-18X) APPLICATION DESCRIPTION
71	GH20-0517-2	GN20-2518	GN20-2567	ADVANCED LIFE INFORMATION SYSTEM (DOS) OPERATIONS MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0518-2	GN20-2519		ADVANCED LIFE INFORMATION SYSTEM (DOS) PROGRAM DESCRIPTION MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0519-1	GN20-2062 GN20-2520	GN20-2179	ADVANCED LIFE INFORMATION SYSTEM (DOS) UTILITY PROGRAM DESCRIPTION MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
80	GH20-0521-2			SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-CX1
60	GH20-0522-3			DISTRIBUTION INDUSTRIES BIBLIOGRAPHY
72	GH20-0523-0			SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR APPLICATION DESCRIPTION PROGRAM NUMBER 360A-CN-12X
80	GH20-0524-2#			INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360 (SYSTEM DESCRIPTION) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-CX3
73	GH20-0525-0	GN20-2789	GN20-3150	SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 (360A-DP-07X), PROGRAM DESCRIPTION MANUAL
73	GH20-0526-1	GN20-3162		SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 (360A-DP-07X), OPERATIONS MANUAL
63	GH20-0527-0	GN20-2021		SYSTEM/360 1287 INPUT CONVERSION PROGRAM (360A-DR-07X) PROGRAM DESCRIPTION MANUAL
63	GH20-0528-0	GN20-2022		SYSTEM/360 1287 INPUT CONVERSION PROGRAM (360A-DR-07X) OPERATIONS MANUAL
60	GH20-0530-4			PUBLIC UTILITY INDUSTRIES BIBLIOGRAPHY
60	GH20-0531-4			MEDIA INDUSTRIES BIBLIOGRAPHY
76	GH20-0532-4	GN20-2814		SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR ELECTRIC UTILITY INDUSTRY WITH POWER FLOW OUTPUT & CAPACITY FEATURE & SHORT CIRCUIT Ro FEATURE: APPLICATION DESCRIPTION, PROGRAM NUMBER 5736-U12
74	GH20-0533-2#	GN20-3003		SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) (360A-UH-11X) PROGRAM DESCRIPTION MANUAL
74	GH20-0534-2	GN20-3002		SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) (360A-UH-11X) VERSION 2: OPERATIONS MANUAL
30	GH20-0535-2			PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS) OR IBM 1130 - APPLICATION DESCRIPTION MANUAL, PROG. NOS. 1130-CX-33X AND 360A-CX-34X
60	GH20-0536-4			INSURANCE INDUSTRY BIBLIOGRAPHY
30	GH20-0539-1			GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD) APPLICATION DESCRIPTION MANUAL (5734-XX2)
63	GH20-0540-0	GN20-2017 GN20-2588	GN20-1909	RETAIL IMPACT FASHION SYSTEM UNDER DISK OPERATING SYSTEM/360 (360A-DR-08X) PROGRAM DESCRIPTION MANUAL
63	GH20-0541-0	GN20-1910	GN20-2545	RETAIL IMPACT FASHION SYSTEM UNDER DISK OPERATING SYSTEM/360 (360A-DR-08X), OPERATIONS MANUAL
82	GH20-0544-1	**GN20-3211		SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (PL/I) (360A-CM-07X) APPLICATION DESCRIPTION MANUAL
38	GH20-0545-1			SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX) (360A-CX-17X) VERSION 4 APPLICATION DESCRIPTION
72	GH20-0549-1			SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR (360A-CN-12X) PART PROGRAMMING MANUAL
72	GH20-0555-1	GN20-2434	**GN20-3161	SYSTEM/360 INVENTORY CONTROL (360A-MF-04X) PROGRAM DESCRIPTION MANUAL
72	**GH20-0556-2			SYSTEM/360 INVENTORY CONTROL (360A-MF-04X) OPERATIONS MANUAL
72	GH20-0557-2			SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR (360A-CN-12X) OPERATION'S MANUAL
82	**GH20-0558-2			SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE APPLICATION DESCRIPTION MANUAL
82	GH20-0559-1			PROGRAM NUMBERS 5736-P71, 5736-P72 SYSTEM/360 MATRIX LANGUAGE (MATLAN) (360A-CM-05X) OPERATIONS MANUAL
82	GH20-0560-1#			MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR (MPSRG) (360A-CO-20X) PROGRAM DESCRIPTION MANUAL
82	GH20-0561-0	GN20-1949		MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR (MPSRG) (360A-CO-20X) OPERATIONS MANUAL
82	GH20-0564-1#			SYSTEM/360 MATRIX LANGUAGE (MATLAN) (360A-CM-05X) PROGRAM DESCRIPTION MANUAL
25	GH20-0572-0			SYSTEM/360 DECISION LOGIC TRANSLATOR (360A-CX-32X) PROGRAM DESCRIPTION MANUAL
25	GH20-0573-0	GN20-2223		SYSTEM/360 DECISION LOGIC TRANSLATOR (360A-CX-32X) OPERATIONS MANUAL
80	GH20-0574-1#			SYSTEM/360 GENERALIZED INFORMATION SYSTEM APPLICATION DESCRIPTION MANUAL (5736-CX1)
73	GH20-0579-0	GN20-2246	GN20-2560	SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360 (360A-DP-08X), OPERATIONS MANUAL
79	GH20-0582-1#			SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS) (360A-CX-19X) PROGRAM DESCRIPTION MANUAL
72	**GH20-0583-1			SYSTEM/360 REQUIREMENTS PLANNING (360A-MF-05X) OPERATIONS MANUAL
72	GH20-0584-0	GN20-2513	GN20-2982	SYSTEM/360 REQUIREMENTS PLANNING (360A-MF-05X) PROGRAM DESCRIPTION MANUAL
73	GH20-0585-0	GN20-2245	GN20-2559	SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360 (360A-DP-08X), PROGRAM DESCRIPTION MANUAL
82	GH20-0586-0	GN20-2034		SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE (PL/I) (360A-CM-07X) PROGRAM DESCRIPTION AND OPERATIONS MANUAL

64	GH20-0587-1			COURSEWRITER III FOR SYSTEM/360 VERSION 2 APPLICATION DESCRIPTION PROGRAM NUMBER 360A-UX-01X
71	GH20-0588-1	GN20-2098		ADVANCED LIFE INFORMATION SYSTEM (DOS): HOME OFFICE INQUIRY PROGRAM, TERMINAL OPERATIONS MANUAL, PROG. NOS. 360A-IL-09X, 5736-N11
79	GH20-0589-2#			SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS) (360A-CX-19X) TERMINAL OPERATIONS MANUAL
79	GH20-0590-1#			SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM - OS (ATS/OS) CONSOLE OPERATIONS MANUAL, PROG. NO. 360A-CX-19X
63	GH20-0591-2#	**GN20-3213		SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (OS) PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 360A-DR-05X
63	GH20-0592-1	GN20-2547	**GN20-3219	SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (DOS) OPERATIONS MANUAL - PROGRAM NUMBER 360A-DR-09X
63	GH20-0593-1#	**GN20-3212		SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (OS) OPERATIONS MANUAL, PROG. NO. 360A-DR-05X
31	GH20-0594-1			PROBLEM LANGUAGE ANALYZER (PLAN): PROGRAM DESCRIPTION MANUAL PROG. NOS. 1130-CX-25X AND 360A-CX-26X, -27X
31	GH20-0596-2			SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (OS) OPERATIONS MANUAL - PROGRAM NUMBER 360A-CX-27X
31	GH20-0597-0			SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS) (360A-CX-26X) OPERATIONS MANUAL
65	GH20-0598-0	GN20-2127		RIGID FRAME SELECTION PROGRAM (RFSP): APPLICATION DESCRIPTION, PROG. NOS. 1130-EC-09X, 5734-EC1, 5736-EC1
63	GH20-0599-4#	**GN20-3214		SYSTEM/360 RETAIL IMPACT STAPLE SYSTEM (DOS) PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 360A-DR-09X
82	GH20-0603-0			MATHEMATICAL PROGRAMMING SYSTEM/360 (360A-CO-14X) MESSAGE MANUAL
63	GH20-0604-1			SYSTEM/360 ORDER ALLOCATION SYSTEM APPLICATION DESCRIPTION MANUAL - 5736-D41
81	SH20-0605-2			CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD (CICS/OS) (5736-U11), PROGRAM DESCRIPTION
81	SH20-0606-1			CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD (CICS/OS), (5736-U11) OPERATION MANUAL
82	GH20-0607-0			LINEAR PROGRAMMING SYSTEM/360 (LPS/360) (360A-CO-18X) PROGRAM DESCRIPTION MANUAL
64	GH20-0608-1			COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X) STUDENT/MONITOR USER'S GUIDE VERSION 2
64	GH20-0609-1#	GN20-2232		COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X) VERSION 2 AUTHOR'S GUIDE
64	GH20-0610-1	GN20-2207	GN20-2345	COURSEWRITER III FOR SYSTEM/360 (360A-UX-01X) VERSION 2 SUPERVISOR'S GUIDE
82	GH20-0611-0	GN20-2377		LINEAR PROGRAMMING SYSTEM/360 (LPS/360) (360A-CO-18X) OPERATIONS MANUAL
65	SH20-0612-0			RIGID FRAME SELECTION PROGRAM (RFSP) OPERATIONS MANUAL PROGRAM NUMBER 1130-EC-09X 5734-EC1 5736-EC1
65	SH20-0613-0			RIGID FRAME SELECTION PROGRAM RFSP PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-EC1 5736-EC1
30	GH20-0614-0			PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS) OR IBM 1130 PROGRAM DESCRIPTION MANUAL PROGRAM NUMBERS 360A-CX-34X AND 1130-CX-33X
30	GH20-0615-0			PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS) OPERATIONS MANUAL PROGRAM NUMBER 360A-CX-34X
65	GH20-0617-0			MECHANISM DESIGN SYSTEM-KINEMATICS PROGRAM DESCRIPTION MANUAL PROGRAM NOS. 1130-EM-03X, 360A-EM-04X AND 360A-EM-05X
65	GH20-0618-0			MECHANISM DESIGN SYSTEM-KINEMATICS OPERATIONS MANUAL PROGRAM NOS. 1130-EM-03X, 360A-EM-04X AND 360A-EM-05X
82	**SH20-0619-1			SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE: PROGRAM DESCRIPTION MANUAL, PROG. NOS. 5736-P71, -P72
82	SH20-0620-0			SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - PS: OPERATIONS MANUAL - PROGRAM NUMBER 5736-P71
82	**GH20-0621-1			SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - OS: OPERATIONS MANUAL - PROGRAM NUMBER 5736-P72
80	SH20-0622-2#			SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) PROGRAM DESCRIPTION MANUAL VOLUME 1: SYSTEM OVERVIEW AND CONTROL (5736-CX1)
80	SH20-0623-1	SN20-2216		SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) AND SYSTEM/360 GENERALIZED INFORMATION SYSTEM PROGRAM DESCRIPTION MANUAL VOLUME II: DATA DESCRIPTION LANGUAGE (5736-CX1)
80	SH20-0625-1#			SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) OPERATIONS MANUAL (5736-CX1)
31	GH20-0626-0			PROBLEM LANGUAGE ANALYZER (PLAN) USERS' INTRODUCTION PROGRAM NUMBERS 1130-CX-25X, 360A-CX-26X AND 360A-CX-27X
72	**GH20-0627-3#			SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING
	GH20-0627-2#			SYSTEM/360 CAPACITY PLANNING - FINITE LOADING APPLICATION DESCRIPTION MANUAL PROGRAM NUMBERS: 5736-M11 5736-M12
70	GH20-0629-0	GN20-2230		LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMRS): APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-G21
80	SH20-0630-1			SYSTEM/360 GENERALIZED INFORMATION SYSTEM PROGRAM DESCRIPTION MANUAL VOLUME 1: SYSTEM OVERVIEW AND CONTROL (5736-CX1)
80	SH20-0632-1#			SYSTEM/360 GENERALIZED INFORMATION SYSTEM OPERATIONS MANUAL (5736-CX1)
80	SH20-0634-1	SN20-2339		INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360 PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-CX3
80	SH20-0635-1	SN20-2340		INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360: OPERATIONS MANUAL, VOLUME I - SYSTEMS OPERATION PROGRAM NUMBER 5736-CX3

80	SH20-0636-1	SN20-2341		INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360 OPERATIONS MANUAL VOLUME II - MACHINE OPERATIONS PROGRAM NUMBER 5736-CX3
71	GH20-0645-0	GN20-2137 GN20-2158	GN20-2097 GN20-2521	ADVANCED LIFE INFORMATION SYSTEM (DOS) BATCH EDIT, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0646-0	GN20-2109 GN20-2522	GN20-2159	ADVANCED LIFE INFORMATION SYSTEM (DOS) ALIS -- INPUT EDIT, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0647-0	GN20-2160	GN20-2523	ADVANCED LIFE INFORMATION SYSTEM (DOS) FREQUENTLY USED RECORD FORMATS, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0648-0	GN20-2105 GN20-2524	GN20-2161	ADVANCED LIFE INFORMATION SYSTEM (DOS) MISCELLANEOUS VOLUME, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0649-1	GN20-2525		ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE RUN EXECUTIVE, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0650-1	GN20-2526		ADVANCED LIFE INFORMATION SYSTEM (DOS) DATA CELL REORGANIZATION PROGRAM, POLICY MASTER RECORD MERGE PROGRAM, DATA CELL RECONSTRUCTION PROGRAM, AND DATA CELL RESTORE PROGRAM, SYSTEMS MANUAL PROGRAM NUMBERS 360A-IL-09X AND 5736-N11
71	GH20-0651-1	GN20-2287	GN20-2527	ADVANCED LIFE INFORMATION SYSTEM (DOS) ALIS -- FILE MAINTENANCE INCLUDE (R) ROUTINES (NARRATIVES), SYSTEM MANUAL - PROGRAM NUMBERS 360A-IL-09X AND 5736-N11
71	GH20-0652-1			ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE INCLUDE (R) ROUTINES (FLOWCHARTS), SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0653-1	GN20-2528		ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE CALL (S) ROUTINES (NARRATIVES), SYSTEM MANUAL PROGRAM NUMBERS 360A-IL-09X, 5736-N11
71	GH20-0654-1			ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE CALL ROUTINES (S) (FLOWCHARTS), SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0655-0	GN20-2094 GN20-2529	GN20-2167	ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE ISSUES, ADDITIONS, COMPLEX CHANGES, AND TERMINATIONS TRANSACTIONS, SYSTEM MANUAL PROGRAM NUMBERS 360A-IL-09X AND 5736-N11
71	GH20-0656-1			ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE SIMPLE CHANGES TRANSACTIONS, SYSTEM MANUAL PROGRAM NUMBERS 5736-N11 AND 360A-IL-09X
71	GH20-0657-0	GN20-2093 GN20-2530	GN20-2181	ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE 36XX FINANCIAL TRANSACTIONS - PAYMENTS, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0658-0	GN20-2092 GN20-2565	GN20-2182	ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE FINANCIAL TRANSACTIONS ACCOUNTING ENTRIES, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0659-0	GN20-2091 GN20-2531	GN20-2169	ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE STATUS TRANSACTIONS - PROCESS AND QUOTE TERMINATIONS, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0660-0	GN20-2090 GN20-2532	GN20-2170	ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE STATUS TRANSACTIONS - PROCESS AND QUOTE MISCELLANEOUS, LOAN VALUES, AND PARTICIPATION VALUES, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0661-0	GN20-2171	GN20-2566	ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE BILLING TRANSACTIONS SYSTEM MANUAL (PROGRAM NUMBER: VERSION 1-360A-IL-09X VERSION 2 - 5736-N11)
71	GH20-0662-0	GN20-2104 GN20-2533	GN20-2183	ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE PREMIUM DUE, OVERDUE, AND ANNIVERSARY PROCESSING TRANSACTIONS, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0663-0	GN20-2089		ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE RATE FILE EXTRACT AND ANNIVERSARY EXTRACT UPDATE TRANSACTIONS, SYSTEM MANUAL PROGRAM NUMBERS 360A-IL-09X AND 5736-N11
71	GH20-0664-0	GN20-2088 GN20-2534	GN20-2184	ADVANCED LIFE INFORMATION SYSTEM (DOS) FILE MAINTENANCE CONTRACTUAL CHANGES AND NOTIFICATIONS, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0665-0	GN20-2138 GN20-2185	GN20-2087 GN20-2535	ADVANCED LIFE INFORMATION SYSTEM (DOS) OUTPUT ANALYSIS, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0666-0	GN20-2186		ADVANCED LIFE INFORMATION SYSTEM (DOS) TRANSACTION REGISTER, SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
71	GH20-0667-1#			ADVANCED LIFE INFORMATION SYSTEM STATUS PRINT, SYSTEM MANUAL (PROGRAM NUMBER: VERSION 1-360A-IL-09X VERSION 2 - 5736-N11)
71	GH20-0668-1#			ADVANCED LIFE INFORMATION SYSTEM (DOS) POLICY ACCOUNTING JOURNAL, SYSTEM MANUAL PROGRAM NUMBERS 360A-IL-09X AND 5736-N11
71	GH20-0669-0	**GN20-2085		ADVANCED LIFE INFORMATION SYSTEM (DOS) ACCOUNTING CONTROL, SYSTEM MANUAL PROGRAM NUMBERS 360A-IL-09X AND 5736-N11
71	GH20-0670-1#			ADVANCED LIFE INFORMATION SYSTEM (DOS) ERROR REGISTER, SYSTEM MANUAL PROGRAM NUMBERS 360A-IL-09X AND 5736-N11

71	GH20-0671-0	GN20-2136	GN20-2083	ADVANCED LIFE INFORMATION SYSTEM (DOS) RATE FILE, SYSTEM MANUAL PROGRAM NUMBERS 360A-IL-09X AND 5736-N11
71	GH20-0672-0	GN20-2082	GN20-2187	ADVANCED LIFE INFORMATION SYSTEM (DOS) HOME OFFICE INQUIRY PROGRAM SYSTEM MANUAL (PROGRAM NUMBERS: VERSION 1-360A-IL-09X VERSION 2-5736-N11)
20	GH20-0673-4			CALL/360-OS SYSTEM DESCRIPTION MANUAL, PROGRAM NUMBER 360A-CX-42X
76	SH20-0675-2	SN20-2843	SN20-2999	SYSTEM/360 POWER SYSTEM PLANNING FOR THE ELECTRIC UTILITY INDUSTRY (OS) (5736-U12)
76	SH20-0676-4	SN20-2813	SN20-2997	SYSTEM/360 POWER SYSTEM PLANNING FOR THE ELECTRIC UTILITY INDUSTRY (OS) (5736-U12), OPERATIONS MANUAL
81	SH20-0677-0	SN20-2199		PROJECT MANAGEMENT SYSTEM/360 VERSION 3 PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER 5734-XP1
30	GH20-0678-0			GRAPHIC ANALYSIS OF THREE-DEMENSIONAL DATA (GATD) PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XX2
30	SH20-0679-0			GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD) OPERATIONS MANUAL - PROGRAM NUMBER 5734-XX2
30	SH20-0680-0			GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD) TERMINAL OPERATIONS MANUAL
22	GH20-0689-2#			APL/360 PRIMER, STUDENT TEXT
81	GH20-0690-0			PROJECT MANAGEMENT SYSTEM/360 VERSION 3 APPLICATION DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XP1
83	GH20-0691-0			GENERAL PURPOSE SIMULATION SYSTEM/360 (OS AND DOS) VERSION 2 APPLICATION DESCRIPTION, PROG. NOS. 5734-XS1 AND 5736-XS1
83	SH20-0692-0	SN20-2403		GENERAL PURPOSE SIMULATION SYSTEM/360 OS VERSION 2 OPERATOR'S MANUAL - PROGRAM NUMBER 5734-XS1
83	SH20-0693-0	SN20-2119	SN20-2243	GENERAL PURPOSE SIMULATION SYSTEM/360 OS AND DOS VERSION 2 INTRODUCTORY USER'S MANUAL, PROG. NOS. 5734-XS1 AND 5736-XS1
83	SH20-0694-1	SN20-2435		GENERAL PURPOSE SIMULATION SYSTEM/360 OS AND DOS VERSION 2 USER'S MANUAL PROGRAM NUMBERS 5734-XS1 AND 5736-XS1
70	SH20-0695-0	SN20-2574		LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMRAS) PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-G21
70	SH20-0696-0	SN20-2231		LAW ENFORCEMENT RESOURCE ALLOCATION SYSTEM (LEMRAS) OPERATIONS MANUAL (5736-G21)
74	GH20-0697-0			MEDICAL INFORMATION SYSTEM PROGRAMS (MISP) PROGRAMMER'S MANUAL - PROGRAM NUMBER 360A-UH-08L
83	SH20-0698-0	SN20-2414		GENERAL PURPOSE SIMULATION SYSTEM/360 DOS VERSION 2 OPERATION MANUAL - PROGRAM NUMBER 5736-XS1
23	GH20-0699-3			CALL-OS BASIC LANGUAGE REFERENCE MANUAL - PROGRAM NUMBER 360A-CX-44X
29	GH20-0700-2	GN20-2785		CALL/360-OS PL/I LANGUAGE REFERENCE MANUAL
74	GH20-0709-0			SHARED LABORATORY INFORMATION SYSTEM (SLIS) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-H12
25	**GH20-0710-3			CALL-OS FORTRAN LANGUAGE REFERENCE MANUAL
73	SH20-0711-0			SYSTEM/360 TEXT PROCESSOR - EDIT/360 OPERATIONS MANUAL PROGRAM NUMBER 5736-K11
73	SH20-0712-0			SYSTEM/360 TEXT PROCESSOR - EDIT/360 PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-K11
31	GH20-0719-2			360 DOS POWER II APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 360D-05.2.006
64	GH20-0720-0	GN20-2255	GN20-2410	COURSEWRITER III FOR SYSTEM/360 VERSION 2 OPERATOR'S GUIDE PROGRAM NUMBER 360A-UX-01X
63	GH20-0721-3			SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) ALLOCATION (DOS) (OS) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBERS (DOS) 5736-D31, (OS) 5734-D32
63	GH20-0722-4	GN20-3110		SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING (DOS) (OS) - APPLICATION DESCRIPTION MANUAL - PROGRAM NUMBER DOS 5736-D32, OS 5734-D33
30	GH20-0723-0	GN20-2198		DATA/360-DOS APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XS2
63	SH20-0726-0			SYSTEM/360 ORDER ALLOCATION SYSTEM PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-D41
63	SH20-0728-0	SN20-2247		ORDER ALLOCATION SYSTEM OPERATIONS MANUAL PROGRAM NUMBER 5736-D41
78	GH20-0730-0	GN20-3001		TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) AND TRAFFIC PROFILE ANALYSIS SYSTEM (POINT-TO-POINT TARIFF ITEM SELECTION): APPLICATION DESCRIPTION MANUAL, PROG. NOS. 5736-T21, -T22
64	GH20-0735-0			COURSEWRITER III FOR SYSTEM/360 (OS AND DOS) VERSION 2 APPLICATION DESCRIPTION MANUAL - PROG. NOS. 5734-E12, 360A-UX-01X
80	SH20-0736-0	SN20-2217	SN20-2423	SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM/360 GENERALIZED INFORMATION SYSTEM PROGRAM DESCRIPTION MANUAL VOLUME III: PROCEDURAL LANGUAGE PROGRAM NUMBER 5736-CX1
31	GH20-0737-3	**GN33-9166		IBM SYSTEM/360 DOS POWER II PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER 360D-05.2.006
38	GH20-0743-1			IBM SYSTEM/360 DOS POWER II REMOTE JOB ENTRY PROGRAM APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 360D-05.2.006
64	SH20-0744-1			COURSEWRITER III FOR SYSTEM/360 (OS) VERSION 2 OPERATOR'S GUIDE PROGRAM NUMBER 5734-E12
79	GH20-0745-1#	GN20-2234		SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM APPLICATION DESCRIPTION MANUAL (PROGRAM NO. 5734-XX8)
79	GH20-0746-1#	GN20-2237		SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX3
72	GH20-0751-1	GN20-3088		OS/360 REQUIREMENTS PLANNING - APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5734-M51

72	GH20-0752-1	GN20-3077		OS/360 INVENTORY CONTROL APPLICATION DESCRIPTION MANUAL (5734-M52)
72	GH20-0753-2#	GN20-3112	**GN20-3272	SYSTEM/360 SHOP FLOOR CONTROL APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-M31
72	GH20-0754-1	GN20-3337	**GN20-3271	SYSTEM/360 SHOP FLOOR CONTROL DATA BASE MANUAL PROGRAM NUMBER 5736-M31
31	GH20-0757-0	GN20-2191		CONVERSATIONAL PROGRAMMING SYSTEM (CPS) SYSTEM PROGRAMMER'S GUIDE
31	GH20-0758-1			CONVERSATIONAL PROGRAMMING SYSTEM (CPS) TERMINAL USER'S MANUAL - PROGRAM NUMBER 360D-03.4-016
31	GH20-0759-1	GN20-2369	GN20-2549	CONVERSATIONAL PROGRAMMING SYSTEM (CPS) INSTALLATION AND ADMINISTRATION MANUAL
38	GH20-0761-1	GN33-9135	**GN33-9167	POWER II/RJE: PROGRAM DESCRIPTION AND OPERATIONS MANUAL, PROG. NO. 360D-05-2.006
67	GH20-0763-1			FINANCIAL TERMINAL SYSTEM APPLICATION DESCRIPTION FTS/360 PROGRAM NUMBER 5736-F12
63	GH20-0764-1			SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-D51
80	GH20-0765-4#			INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360 (SYSTEM DESCRIPTION) APPLICATION DESCRIPTION MANUAL (VERSION 2) PROGRAM NUMBER 5734-XX6
79	SH20-0766-0	SN20-2235		IBM SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-XX8
79	SH20-0767-0	SN20-2236		IBM SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX3
79	SH20-0768-2#			IBM SYSTEM/360 LEARN ATS WORKBOOK PROGRAM NUMBERS 5734-XX8, 5736-XX3
74	SH20-0769-0	SN20-2572		SHARED LABORATORY INFORMATION SYSTEM (SLIS) LABORATORY MANUAL PROGRAM NUMBER 5736-H12
80	**GH20-0771-2			SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX4
67	GH20-0775-0	GN20-2442		SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F32
72	SH20-0776-0	SN20-2480	**SN20-3207	OS/360 INVENTORY CONTROL PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-M52
72	SH20-0777-2	**SN20-3132	**SN20-3340	OS/360 REQUIREMENTS PLANNING PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-M51
72	SH20-0778-1	SN20-3086		OS/360 INVENTORY CONTROL OPERATIONS MANUAL PROGRAM NUMBER 5734-M52
74	SH20-0780-0			SHARED LABORATORY INFORMATION SYSTEM (SLIS) 5736-H12 PROGRAM DESCRIPTION MANUAL
74	SH20-0781-0			SHARED LABORATORY INFORMATION SYSTEM (SLIS) (5736-H12) OPERATIONS MANUAL
72	SH20-0782-2	SN20-3087		OS/360 REQUIREMENTS PLANNING PROGRAM PRODUCT 5734-M51 OPERATIONS MANUAL
34	GH20-0786-3	GN20-2780		CALL/360-OS EXECUTIVE AND UTILITIES PROGRAM DESCRIPTION MANUAL (PROGRAM NUMBER 360A-CX-42X)
40	GH20-0787-2	GN20-2782		CALL-OS TERMINAL OPERATIONS MANUAL PROGRAM NUMBER 360A-CX-42X
40	GH20-0788-2	GN20-2781		CALL/360-OS OPERATOR'S MANUAL PROGRAM NUMBER 360A-CX-42X
67	**GH20-0789-3	**GN20-3306		BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2 APPLICATION DESCRIPTION - PROGRAM NUMBER 5736-F31
72	**SH20-0790-1			SYSTEM/360 REQUIREMENTS PLANNING INTERFACE 5736-M13 PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-M13
72	**SH20-0791-1			SYSTEM/360 REQUIREMENTS PLANNING INTERFACE (5736-M13) OPERATIONS MANUAL
78	SH20-0792-1#	SN20-2998		TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) FORMAT AND STANDARD CODES MANUAL PROGRAM NUMBER 5736-T21
72	**SH20-0795-2			SYSTEM/360 CAPACITY PLANNING OPERATIONS MANUAL PROGRAM PRODUCT 5736-M11, PROGRAM PRODUCT 5736-M12
72	**SH20-0796-2			SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING SYSTEM/360 CAPACITY PLANNING - FINITE LOADING PROGRAM DESCRIPTION MANUAL PROGRAM NUMBERS 5736-M11, 5736-M12
78	SH20-0798-3			TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) DATA PREPARATION MANUAL 5736-T21
36	GH20-0802-3			CONTROL PROGRAM-67 / CAMBRIDGE MONITOR SYSTEM (CP-67/CMS) SYSTEM DESCRIPTION MANUAL - PROGRAM NUMBER 360D-05.2.005
63	SH20-0803-3	SN20-3093		CONSUMER GOODS SYSTEM (COGS) FORECASTING (DOS) (OS) OPERATIONS MANUAL, PROGRAM NUMBERS DOS 5736-D32, OS 5734-D33
63	**SH20-0804-4#			SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING PROGRAM DESCRIPTION MANUAL (PROGRAM NUMBER 5736-D32)
74	SH20-0804-3#	SN20-3113		MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) PROGRAM 5736-H11
74	SH20-0805-0	SN20-2283		OPERATIONS MANUAL
74	GH20-0806-0			MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2 APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-H11
74	SH20-0807-0			MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2: INSTALLATION AID MANUAL, PROG. NO. 5736-H11
74	SH20-0808-0			MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) 5736-H11 PROGRAM DESCRIPTION MANUAL
74	SH20-0809-0			MEDICAL INFORMATION SYSTEM PROGRAM (MISP) 5736-H11 PROGRAMMER'S MANUAL
30	GH20-0810-0	GN20-2299	GN20-2482	IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - LOW CORE (FASTER IC) APPLICATION DESCRIPTION - PROGRAM NUMBER 5736-G22
78	SH20-0811-0	**GN20-3167		TRAFFIC PROFILE ANALYSIS SYSTEM 5736-T22, PROGRAM DESCRIPTION AND OPERATION MANUAL
78	SH20-0812-2			TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER 5736-T21
71	GH20-0813-0			CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET TRANSLATOR (CATALIST) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5736-XX2

71	SH20-0814-1			CFO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET TRANSLATOR (CATALIST) PROGRAM DESCRIPTION AND OPERATIONS MANUAL PROGRAM NUMBER 5736-XX2
74	SH20-0815-0			MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION TWO - APPLICATION FILE DESCRIPTION MANUAL PROGRAM NUMBER 5736-H11
63	SH20-0820-3			CONSUMER GOODS SYSTEM (COGS) ALLOCATION (DOS) (OS) OPERATIONS MANUAL, PROGRAM NUMBERS DOS-5736-D31, OS-5734-D32
63	SH20-0821-2	**SN20-3217		CONSUMER GOODS SYSTEM (COGS) ALLOCATION (DOS) (OS) PROGRAM DESCRIPTION, PROGRAM NUMBERS DOS 5736-D31, OS 5734-D32
36	GH20-0824-0	GN20-2315		INTRODUCTION TO THE REAL-TIME MONITOR
83	GH20-0825-0	GN20-3044		GENERAL PURPOSE SIMULATION SYSTEM V (OS) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 5734-XS2
83	GH20-0826-0			GENERAL PURPOSE SIMULATION SYSTEM V (DOS) APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5736-XS3
72	SH20-0827-1			SYSTEM/360 SHOP FLOOR CONTROL 5736-M31 OPERATOR'S MANUAL
72	SH20-0828-1	SN20-2752	SN20-3122	SHOP FLOOR CONTROL, PROGRAM NUMBERS 5736-M31 (DOS), 5734-M31 (OS) - PROGRAM DESCRIPTION MANUAL
80	**SH20-0829-3			SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR 5736-XX4 PROGRAM DESCRIPTION MANUAL
80	**SH20-0830-3			SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR 5736-XX4 OPERATIONS MANUAL
38	GH20-0832-0			SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DOS (RAX-DOS) PROGRAMMING RPQ: APPLICATION DESCRIPTION, PROG. NO. 5799-AAA
73	SH20-0833-1	SN20-2372 SN20-3142	SN20-2853	SYSTEM/360 TEXT PROCESSOR - PAGINATION/360 PROGRAM DESCRIPTION VOLUME 1 PROGRAM NUMBER 5736-K12
73	SH20-0834-1#	SN20-2373 SN20-3144	SN20-2911	SYSTEM/360 TEXT PROCESSOR - PAGINATION/360 PROGRAM DESCRIPTION VOLUME 2 - PROGRAM NUMBER 5736-K12
73	SH20-0835-1#	SN20-2374 SN20-3149	SN20-2985	SYSTEM/360 TEXT PROCESSOR-PAGINATION/360: PROGRAM DESCRIPTION VOLUME 3, PROG. NO. 5736-K12
73	SH20-0836-3	SN20-3148		SYSTEM/360 TEXT PROCESSOR - PAGINATION/360 OPERATIONS MANUAL PROGRAM NUMBER 5736-K12
38	SH20-0837-0			SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DISK OPERATING SYSTEM (RAX-DOS) PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5799-AAA
30	GH20-0838-0	GN20-2479		INTRODUCTION TO DATA/360 - DOS PROGRAM NUMBER 5736-XS2
81	GH20-0841-2#	GN20-3076		DISPLAY MANAGEMENT SYSTEM APPLICATION DESCRIPTION PROGRAM NUMBER 5734-XC1
38	SH20-0843-0			SYSTEM/360 REMOTE ACCESS COMPUTING WITH DISK OPERATING SYSTEM (RAX-DOS) OPERATIONS MANUAL PROGRAM NUMBER 5799-AAA
76	GH20-0844-0			MANAGEMENT INFORMATION SYSTEM FOR PUBLIC UTILITIES WITH THE IBM SYSTEM/370
63	SH20-0846-1			SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5736-D51
63	SH20-0847-1			SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM OPERATIONS MANUAL PROGRAM NUMBER 5736-D51
82	GH20-0849-3	GN20-3104		INTRODUCTION TO MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) - PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XM4
22	GH20-0850-1#	GN20-3014		APL/360 - OS (5734-XM6) AND APL/360 - DOS (5736-XM6) GENERAL INFORMATION MANUAL
83	SH20-0851-1	SN20-2471	SN20-3046	GENERAL PURPOSE SIMULATION SYSTEM V USER'S MANUAL, PROG. NOS. 5734-XS2 (OS) AND 5736-XS3 (DOS)
81	GH20-0852-2			INTRODUCTION TO MINIPERT PROGRAM NUMBER 5734-XP3
30	GH20-0853-0			DATA/360-OS: GENERAL INFORMATION MANUAL, PROG. NO. 5734-XS3
82	GH20-0854-1			PROCEDURE LIBRARY-MATHEMATICS (PL-MATH) GENERAL INFORMATION MANUAL, PROGRAM NUMBER 5734-XM3
81	GH20-0855-1			INTRODUCTION TO PROJECT MANAGEMENT SYSTEM IV (PMSIV), PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XP4
36	GH20-0856-2			CP-67/CMS VERSION 3.1: CP-67 OPERATOR'S GUIDE, PROG. NO. 360D-05.2.005
36	GH20-0857-2			CP-67/CMS VERSION 3.1: INSTALLATION GUIDE, PROG. NO. 360D-05.2.005
36	GH20-0858-1	GN20-2497	GN20-2620	CONTROL PROGRAM - 67/CAMBRIDGE MONITOR SYSTEM (CP-67/CMS) HARDWARE MAINTAINABILITY GUIDE PROGRAM NUMBER 360D-05.2.005
36	GH20-0859-3#			CP-67/CMS VERSION 3.1: USER'S GUIDE, PROG. NO. 360D-05.2.005
36	GH20-0859-2#	GN20-2618		
36	GH20-0860-0			CONTROL PROGRAM - 67/CAMBRIDGE MONITOR SYSTEM (CP-67/CMS) VERSION 3 CMS SCRIPT USER'S MANUAL
30	SH20-0863-0	SN20-2265 SN20-2466	SN20-2298 SN20-2481	IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-LOW CORE (FASTER LC)
30	SH20-0864-0	SN20-3163 SN20-2297 SN20-2483	SN20-2465 **SN20-3164	5736-G22 PROGRAM DESCRIPTION MANUAL SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-LOW CORE (FASTER LC)
83	SH20-0866-1	SN20-2473	SN20-3045	5736-G22 OPERATIONS MANUAL GENERAL PURPOSE SIMULATION SYSTEM V INTRODUCTORY USER'S MANUAL, PROG. NOS. 5734-XS2 (OS) AND 5736-XS3 (DOS)
83	SH20-0867-3			GENERAL PURPOSE SIMULATING SYSTEM V-OS (GPSS V-OS) OPERATIONS MANUAL PROGRAM NUMBER 5734-XS2
83	SH20-0868-1	SN20-3048		GENERAL PURPOSE SIMULATION SYSTEM V - DOS (GPSS V - DOS) OPERATIONS MANUAL, PROGRAM NUMBER 5736-XS3
67	SH20-0870-0			SYSTEM/360 FINANCIAL TERMINAL SYSTEM, PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F12
67	SB20-0871-0			SYSTEM/360 FINANCIAL TERMINAL SYSTEM, OPERATIONS MANUAL, PROGRAM NUMBER 5736-F12
67	SH20-0872-0			SYSTEM/360 FINANCIAL TERMINAL SYSTEM, PROGRAMMER'S MANUAL, PROGRAM NUMBER 5736-F12

78	GH20-0873-3	GN20-3123		FARE QUOTE/TICKETING APPLICATION DESCRIPTION MANUAL
83	GH20-0874-1#			COMPUTER SYSTEM SIMULATOR II (CSS II)
83	SH20-0875-1	SN20-2413		GENERAL INFORMATION MANUAL, PROGRAM NUMBER 5734-XS5
				COMPUTER SYSTEM SIMULATOR II (CSS II)
				PROGRAM DESCRIPTION AND OPERATIONS MANUAL
36	GH20-0876-0			PROGRAM NUMBER 5734-XS5,
36	GH20-0877-0			THE REAL-TIME MONITOR (RTM) PROGRAM DESCRIPTION MANUAL,
				PROGRAM NUMBER 360A-SV-001
30	SH20-0879-0	SN20-2399	SN20-2478	The REAL-TIME MONITOR (RTM), PROGRAM NUMBER 360A-SV-001
71	GH20-0883-1			OPERATIONS AND PROGRAMMER'S GUIDE
30	SH20-0885-1			DATA/360 - DOS CONSOLE OPERATOR'S GUIDE
70	GH20-0888-0	GN20-2392		PROGRAM NUMBER 5736-XS2
22	SH20-0890-1			CONSOLIDATED FUNCTIONS ORDINARY II (CFO II) SYSTEM,
				APPLICATION DESCRIPTION, PROGRAM NUMBER 5736-N13
80	**GH20-0892-1#			DATA/360 - DOS TERMINAL OPERATOR'S GUIDE
67	GH20-0892-0#			PROGRAM NUMBER 5736-XS2
67	SH20-0893-1#			BASIC COURTS SYSTEM (BCS) APPLICATION DESCRIPTION MANUAL,
				PROGRAM NUMBER 5736-G26
67	SH20-0894-0	SN20-2441		APL/360 - OS OPERATIONS AND INSTALLATION MANUAL,
67	SH20-0895-0	SN20-2447		PROGRAM NUMBER 5734-XM6
25	GH20-0896-0			IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2)
25	SH20-0897-0			APPLICATION DESCRIPTION, PROG. NO. 5734-XX1
81	SH20-0898-0	SN20-2760	SN20-3080	SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM
81	SH20-0899-1	SN20-3081		OPERATIONS MANUAL, PROGRAM NUMBER 5736-F32
81	SH20-0900-0	SN20-3082		SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM
81	SH20-0901-1	SN20-3083		TERMINAL OPERATOR'S MANUAL PROGRAM NUMBER 5736-F32
30	GH20-0903-1	**GN20-3168		SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM
				PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5736-F32
22	GH20-0906-1			FORTRAN CONVERSION AID PROGRAM, GENERAL INFORMATION MANUAL
82	SH20-0908-1			PROGRAM NUMBER 5799-AAJ, REFERENCE NUMBER FA1287
81	SH20-0909-1	**SN20-3270		FORTRAN CONVERSION AID PROGRAM,
80	SH20-0910-4#			PROGRAM DESCRIPTION AND OPERATIONS MANUAL,
80	SH20-0910-3#			PROGRAM NUMBER 5799-AAJ, REFERENCE NUMBER FA1287
80	SH20-0911-3	SN20-2914	SN20-9004	PMS IV, COST PROCESSOR, PROGRAM DESCRIPTION AND OPERATIONS
80	SH20-0912-4#			PROGRAM PRODUCT MANUAL - PROGRAM NUMBER 5734-XP4
80	SH20-0912-3#			PMS IV, NETWORK PROCESSOR, PROGRAM DESCRIPTION
80	SH20-0913-3	SN20-2916	SN20-9006	AND OPERATIONS MANUAL, PROGRAM NUMBER 5734-XP4
80	SH20-0914-3	SN20-2917	SN20-9007	PROJECT MANAGEMENT SYSTEM IV (PMSIV)
80	SH20-0915-2	SN20-2918	SN20-9008	RESOURCE ALLOCATION PROCESSOR, PROGRAM DESCRIPTION/
81	SH20-0919-1			OPERATIONS MANUAL - PROGRAM NUMBER 5734-XP4
24	GH20-0920-0			PROJECT MANAGEMENT SYSTEM IV (PMS IV) REPORT PROCESSOR
24	SH20-0921-0			PROGRAM DESCRIPTION/OPERATIONS MANUAL
24	SH20-0922-0			PROGRAM NUMBER 5734-XP4
24	SH20-0923-0			IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY
82	SH20-0924-2			TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD
30	SH20-0925-0			(DOS FASTER MT) APPLICATION DESCRIPTION,
30	SH20-0926-1	SN20-2778		PROGRAM NUMBER 5736-G24
82	SH20-0932-0			APL/360-OS (5734-XM6), APL/360-DOS (5736-XM6),
63	GH20-0935-1			USER'S MANUAL
71	SH20-0936-1	SN20-2902		MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPGX)
				MIXED INTEGER PROGRAMMING(MIP) PROGRAM DESCRIPTION MANUAL
				DISPLAY MANAGEMENT SYSTEM PROGRAM DESCRIPTION MANUAL
				PROGRAM NUMBER 5734-XC1
				INFORMATION MANAGEMENT SYSTEM/360, VERSION 2
				SYSTEM/APPLICATION DESIGN GUIDE
				PROGRAM NUMBER 5734-XX6
				INFORMATION MANAGEMENT SYSTEM/360, VERSION 2
				SYSTEM PROGRAMMING REFERENCE MANUAL
				PROGRAM NUMBER 5734-XX6
				INFORMATION MANAGEMENT SYSTEM/360, VERSION 2
				APPLICATION PROGRAMMING REFERENCE MANUAL
				PROGRAM NUMBER 5734-XX6
				INFORMATION MANAGEMENT SYSTEM/360, VERSION 2,
				OPERATOR'S REFERENCE MANUAL
				PROGRAM NUMBER 5734-XX6
				INFORMATION MANAGEMENT SYSTEM/360, VERSION 2,
				MESSAGES AND CODES REFERENCE MANUAL,
				PROGRAM NUMBER 5734-XX6
				INFORMATION MANAGEMENT SYSTEM/360 VERSION 2
				UTILITIES REFERENCE MANUAL, PROG. NO. 5734-XX6
				DISPLAY MANAGEMENT SYSTEM OPERATOR'S MANUAL
				PROGRAM NUMBER 5734-XC1
				CONTROL PROGRAM-67 ONLINE COBOL SYMBOLIC DEBUG
				PROGRAM NUMBER 5799-AAE - APPLICATION DESCRIPTION MANUAL
				CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG
				USER'S GUIDE - PROGRAM NUMBER 5799-AAE
				CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG
				INSTALLATION MANUAL, PROGRAM NUMBER 5799-AAE
				CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG
				OPERATING SYSTEM/360 IN A VIRTUAL MACHINE,
				PROGRAM NUMBER 5799-AAE
				MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPGX),
				OPERATIONS MANUAL - PROGRAM NUMBER 5734-XM4
				DATA/360-OS TERMINAL OPERATOR'S GUIDE,
				PROGRAM NUMBER 5734-XS3
				DATA/360-OS CONSOLE OPERATOR'S GUIDE,
				PROGRAM NUMBER 5734-XS3
				MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPGX)
				CONTROL LANGUAGE USER'S MANUAL, PROGRAM NUMBER 5734-XM4
				IBM FASHION REPORTER: APPLICATION DESCRIPTION, PROG. NO.
				5736-D11
				CONSOLIDATED FUNCTION ORDINARY SYSTEM II (CFO II) PROGRAM
				DESCRIPTION VOLUME II: POLICY MASTER RECORD CODE BOOK,
				PROG. NO. 5736-N13



71	SH20-0937-1	SN20-2901		CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII) MISCELLANEOUS PROGRAM DATA, PROGRAM DESCRIPTION MANUAL VOLUME III - PROGRAM NUMBER 5736-N13
22	SH20-0938-1			APL/360 - DOS OPERATIONS AND INSTALLATION MANUAL, PROGRAM NUMBER 5736-XM6
82	SH20-0959-1	SN20-3105		MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MESSAGE MANUAL, PROGRAM NUMBER 5734-XM4
82	SH20-0960-0			MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) READ COMMUNICATIONS FORMAT (READCOMM) PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM4
80	GH20-0961-1#	GN20-3140		BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE, APPLICATION DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XX9
70	SH20-0963-0	SN20-2437	SN20-2792	BASIC COURTS SYSTEM - PROGRAM PRODUCT DESCRIPTION MANUAL, PROGRAM PRODUCT 5736-G26
70	SH20-0964-0	SN20-2436		BASIC COURTS SYSTEM PROGRAM PRODUCT OPERATIONS MANUAL, PROGRAM NUMBER 5736-G26
82	SH20-0968-1	SN20-3106		MPSX LINEAR AND SEPARABLE PROGRAMMING, PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM4
60	GH20-0970-1	GN20-2459		MEDICAL INDUSTRIES BIBLIOGRAPHY
72	SH20-0978-0	SN20-3078		OS CAPACITY PLANNING - INFINITE LOADING, OS CAPACITY PLANNING - FINITE LOADING, OPERATIONS MANUAL PROGRAM NUMBERS 5734-M53 AND 5734-M54
78	SH20-0979-4			FARE QUOTE/ISSUE TICKET USER'S GUIDE PROGRAM NUMBER 5736-T11
78	SH20-0980-3			TARIFF MAINTENANCE USER'S GUIDE, PROGRAM NUMBER 5736-T11
78	SH20-0981-4			FARE QUOTE/TICKETING SYSTEM IMPLEMENTATION GUIDE, PROGRAM NUMBER 5736-T11
78	SH20-0982-3	**SN20-3128		TARIFF MAINTENANCE OPERATOR'S GUIDE, PROGRAM NUMBER 5736-T11
65	GH20-0983-1			ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM OPERATING SYSTEM AND 1130 COMPUTING SYSTEM: APPLICATION DESCRIPTION, PROG. NOS. 5734-EE1, 5711-EE1
82	SH20-0985-0	**SN20-2443		PROCEDURE LIBRARY - MATHEMATICS (PL-MATH) PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5734-XM3
72	SH20-0986-0	**SN20-3114		OS SHOP FLOOR CONTROL OPERATIONS MANUAL, PROGRAM NUMBER 5734-M31
64	GH20-0987-3			COURSEWRITER III, VERSION 3 APPLICATION DESCRIPTION MANUAL PROGRAM NUMBERS 5734-E13, 5736-E11
82	SH20-0988-0	**SN20-2446		PROCEDURE LIBRARY - MATHEMATICS (PL-MATH) OPERATIONS MANUAL, PROGRAM NUMBER 5734-XM3
81	SH20-0995-0			MINIPERT PROGRAM DESCRIPTION AND OPERATIONS MANUAL, PROGRAM NUMBER 5734-XP3
67	SH20-0997-1	**SN20-3156	**SN20-3307	BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2 PROGRAM DESCRIPTION MANUAL VOLUME 1: NARRATIVE PROGRAM NUMBER 5736-F31
67	SH20-0998-1	**SN20-3157		BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2 PROGRAM DESCRIPTION MANUAL VOLUME 2: RECORD LAYOUTS, PROG. NO. 5736-F31
67	**SH20-0999-2	**SN20-3308		BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2 OPERATIONS MANUAL, PROG. NO. 5736-F31
70	GH20-1002-1	**GN20-3117		BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC INSTITUTIONS - GENERAL INFORMATION MANUAL, PROGRAM NUMBER 5736-G25
80	SH20-1007-2	SN20-9017		INFORMATION MANAGEMENT SYSTEM/360 VERSION 2 MASTER INDEX PROGRAM NUMBER 5734-XX6
67	GH20-1008-2			CHECK PROCESSING CONTROL SYSTEM (CPCS) & CPCS/3890 FEATURE: GENERAL INFORMATION MANUAL - PROG. PROD. 5734-F11
64	SH20-1009-1			COURSEWRITER III, VERSION 3 AUTHOR'S GUIDE - OPERATING SYSTEM AND DISK OPERATING SYSTEM PROGRAM NUMBERS 5734-E13, 5736-E11
64	SH20-1010-3			COURSEWRITER III, VERSION 3 STUDENT/MONITOR USER'S GUIDE OPERATING SYSTEM AND DISK OPERATING SYSTEM PROGRAM NUMBERS 5734-E13, 5736-E11
64	SH20-1011-2#			COURSEWRITER III, VERSION 3 SUPERVISOR'S GUIDE OPERATING SYSTEM AND DISK OPERATING SYSTEM PROGRAM NUMBERS 5734-E13, 5736-E11
64	SH20-1011-1#			COURSEWRITER III, VERSION 3 SUPERVISOR'S GUIDE OPERATING SYSTEM AND DISK OPERATING SYSTEM PROGRAM NUMBERS 5734-E13, 5736-E11
64	SH20-1012-2			COURSEWRITER III, VERSION 3 OPERATOR'S GUIDE DISK OPERATING SYSTEM - PROGRAM NUMBERS 5736-E11
65	SH20-1015-0			ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM OPERATING SYSTEM AND 1130 COMPUTING SYSTEM PROGRAM DESCRIPTION MANUAL, PROG. NOS. 5734-EE1, 5711-EE1
71	SH20-1016-0	SN20-2905		CONSOLIDATED FUNCTIONS ORDINARY II SYSTEM (CFOII) OPERATIONS MANUAL - PROGRAM NUMBER 5736-N13
71	SH20-1017-1	SN20-2815		CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII) UTILITY PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5736-N13
36	GH20-1021-0			OS/MVT WITH RESOURCE SECURITY INSTALLATION AND SYSTEM PROGRAMMERS GUIDE - PROGRAM NUMBER 360A-SV-007
64	SH20-1022-3			COURSEWRITER III/OS VERSION 3 - OPERATOR'S GUIDE PROGRAM NUMBER 5734-E13
71	SH20-1024-0	SN20-2904		CONSOLIDATED FUNCTIONS ORDINARY II (CFO II) PROGRAM DESCRIPTION MANUAL - VOLUME I PROCESSING DESCRIPTION - PROGRAM NUMBER 5736-N13
65	SH20-1025-0			ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM OPERATING SYSTEM - OPERATIONS MANUAL PROGRAM NUMBER 5734-EE1
79	GH20-1027-3			STAT/BASIC FOR SYSTEM/3 AND ITF - GENERAL INFORMATION MANUAL PROGRAM NUMBERS 5703-XA1, 5734-XA3
81	GH20-1028-4			CUSTOMER INFORMATION CONTROL SYSTEM (CICS) DOS-ENTRY (CICS/DOSE) DOS-STANDARD (CICS/DOSS) OS-STANDARD V2 (CICS/OS) GENERAL INFORMATION MANUAL, PROGRAM NUMBERS 5734-XX7, 5736-XX6, 5736-XX7

36	GH20-1029-0	GN20-2616		CP-67/CMS VERSION 3.1: OPERATING SYSTEMS IN A VIRTUAL MACHINE, PROG. NO. 360D-05.2.005
80	SH20-1030-1	SN20-9000	SN20-9022	IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) GENERAL INFORMATION MANUAL, VOLUME 1: SYSTEM OVERVIEW AND CONTROL - PROGRAM PRODUCT MANUAL PROGRAM NUMBER 5734-XX1
30	GH20-1031-0	GN20-2485	GN20-2808	IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (OS FASTER MT) GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-G21
80	SH20-1032-1			IBM GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2) OPERATIONS MANUAL - PROGRAM NUMBER 5734-XX1
80	SH20-1033-1	SN20-9001	SN20-9025	GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) VOLUME 3, PROCEDURAL LANGUAGE - PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-XX1
81	SH20-1034-21	SN20-9043		CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATIONS GUIDE - PROGRAM NUMBERS DOS-ENTRY 5736-XX6 DOS-STANDARD 5736-XX7
81	GH20-1035-1			PLANNING SYSTEM GENERATOR II (PSGII) GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-XT1
67	GH20-1039-2	**GN20-3244		SECURITIES ORDER MATCHING GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-F32
80	SH20-1040-0	SN20-2460 SN20-9031	SN20-2592 SN20-2899	GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) VOLUME 2: DATA DESCRIPTION LANGUAGE - PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 5734-XX1
81	SH20-1041-1			PLANNING SYSTEMS GENERATOR II (PSG II) OPERATIONS MANUAL - PROGRAM NUMBER 5734-XT1
81	SH20-1042-1			PLANNING SYSTEMS GENERATOR II (PSG II) PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XT1
81	SH20-1043-5	SN20-9045		CUSTOMER INFORMATION CONTROL SYSTEM (CICS) SYSTEM PROGRAMMER'S REFERENCE MANUAL PROGRAM NUMBERS DOS-ENTRY 5736-XX6, DOS-STANDARD 5736-XX7, OS-STANDARD V2 5734-XX7
81	SH20-1044-4			CUSTOMER INFORMATION CONTROL SYSTEM (CICS) TERMINAL OPERATOR'S GUIDE - PROGRAM NUMBERS DOS-ENTRY 5736-XX6, DOS-STANDARD 5736-XX7, OS-STANDARD V2 5734-XX7
81	SH20-1047-5			CUSTOMER INFORMATION CONTROL SYSTEM DOS - ENTRY (CIS DOS - STANDARD (CICS/DOSS) OS - STANDARD VERSION 2 (CICS/OS) APPLICATION PROGRAMMER'S REFERENCE MANUAL PROGRAM NUMBERS 5736-XX6, 5736-XX7, 5734-XX7
81	SH20-1048-2	SN20-9044		CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATING SYSTEM STANDARD VERSION 2 OPERATIONS GUIDE PROGRAM NUMBER 5734-XX7
30	SH20-1051-1#	SN20-3062	**SN20-3165	IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) PROGRAM DESCRIPTION PROGRAM NUMBER 5736-G24
30	SH20-1052-1	SN20-3061	**SN20-3166	IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) OPERATIONS MANUAL - PROGRAM NUMBER 5736-G24
63	SH20-1053-1	SN20-3084		IBM FASHION REPORTER, PROGRAM DESCRIPTION MANUAL, PROGRAM NUMBER 5736-D11
63	SH20-1054-0	SN20-2506	SN20-3085	IBM FASHION REPORTER, OPERATIONS MANUAL PROGRAM NUMBER 5736-D11
36	GH20-1057-0			OS/MVT WITH RESOURCE SECURITY, SECURITY OFFICER'S GUIDE PROGRAM NUMBER 360A-SV-007
36	GH20-1058-0			RESOURCE SECURITY (FOR OS/MVT)-GENERAL INFORMATION AND PLANNING MANUAL, PROG. NO. 360A-SV-007
31	GH20-1066-0	GN20-3056		PROBLEM LANGUAGE ANALYZER (PLAN) PROGRAM REFERENCE MANUAL PROGRAM NUMBERS 1130-CX-25X, 360A-CX-27X
72	SH20-1067-0			SYSTEM/360 OPERATING SYSTEM REQUIREMENTS PLANNING EXTENSIONS (PROGRAMMING RPQ EA6264) - PROGRAM DESCRIPTION AND OPERATIONS MANUAL - PROGRAM NUMBER 5799-AAZ
79	SH20-1069-2			STAT/BASIC FOR SYSTEM/3 AND INTERACTIVE TERMINAL FACILITY PROGRAM REFERENCE - PROGRAM NUMBERS 5703-XA1, 5734-XA3
79	SH20-1070-2			STAT/BASIC FOR INTERACTIVE TERMINAL FACILITY OPERATIONS GUIDE PROGRAM NUMBER 5734-XA3
80	GH20-1074-1	GN20-2823	GN20-2873	INTERACTIVE QUERY FACILITY (IQF) FOR IMS/360 VERSION 2 PROGRAM NUMBER 5734-XX6 - GENERAL INFORMATION MANUAL
80	SH20-1075-0	SN20-3135		BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE PROGRAM DESCRIPTION MANUAL - PROGRAM NUMBER 5734-XX9
80	SH20-1076-1			BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE, OPERATIONS MANUAL - PROGRAM NUMBER 5734-XX9
78	SH20-1081-0			FARE QUOTE/TICKETING STUDENT STUDY GUIDE PROGRAM NUMBER 5736-T11
73	SH20-1089-1			AN APL TEXT EDITOR AND COMPOSER - IUP 5796-PAC, DESCRIPTION/OPERATIONS
81	SH20-1092-1#			APL/PDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM (PDTS): PROGRAM DESCRIPTION/OPERATIONS MANUAL IUP PROG #5796-PAD
78	SH20-1094-0			FLIGHT DATA DISPLAY SYSTEM INSTALLATION GUIDE PROGRAM NUMBER 5796-PAE
78	SH20-1095-0			FLIGHT DATA DISPLAY SYSTEM OPERATORS MANUAL PROGRAM NUMBER 5796-PAE
78	SH20-1096-0			FLIGHT DATA DISPLAY SYSTEM USERS GUIDE PROGRAM NUMBER 5796-PAE
76	SH20-1101-0			LOADFLOW PLOTTING SYSTEM, VARIBUS CORP. A GULF STATES UTILITY COMPANY SUBSIDIARY - PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-AAF
39	SH20-1103-2			S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING MUSIC RELEASE II PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP NUMBER 5796-AAT
39	SH20-1104-1	**SN20-3180		S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING MUSIC RELEASE II USER'S GUIDE - IUP NUMBER 5796-AAT
80	SH20-1105-1#	SN20-3058	SN20-2708	DATA DICTIONARY/DIRECTORY SYSTEM, WITH CMIS DATA ELEMENT GLOSSARY - PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP NUMBER 5796-PAG

71	SH20-1112-0			CONSOLIDATED FUNCTIONS EQUITY PRODUCTS VARIABLE ANNUITIES, MUTUAL FUNDS DATAMANN, INC. - SUBSIDIARY OF HORACE MANN EDUCATORS SPRINGFIELD, ILLINOIS PROGRAM DESCRIPTION/OPERATIONS MANUAL PROGRAM NUMBER 5796-AAP
73	SH20-1114-0	**SN20-3171		SCRIPT/370 - PROGRAM DESCRIPTION/OPERATION MANUAL - IUP NUMBER 5796-PAF
81	SH20-1115-0			S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS) PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP NUMBER 5796-ABF
72	SH20-1117-0	SN20-2704	**SN20-3174	CYCLE-TIME SIMULATOR SYSTEM - PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBG
82	SH20-1118-0			ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) PROGRAM REFERENCE MANUAL - IUP NUMBER 5796-PBH
82	SH20-1119-0			ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) OPERATIONS GUIDE - IUP NUMBER 5796-PBH
63	SH20-1122-0			IBM WAREHOUSE SIMULATOR PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBK
72	SH20-1123-0			IBM MULTIPLAN SOURCING PROGRAM DESCRIPTION/OPERATIONS MANUAL IUP NUMBER 5796-PBL
82	GH20-1128-3			MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS GENERAL INFORMATION MANUAL, PROG. NOS. 5703-XM2 (SYSTEM/3) AND 5734-XM8 (ITF AND VM/370-CMS)
64	GH20-1129-1			EPIC SOCRATES STUDENT SCHEDULING SYSTEM FOR EDUCATIONAL INSTITUTIONS - GENERAL INFORMATION PROGRAM NUMBER 5735-E91
64	GH20-1130-1	GN20-3131		EPIC STUDENT RECORD SYSTEM FOR EDUCATIONAL INSTITUTIONS GENERAL INFORMATION MANUAL, PROG. NO. 5735-E94
64	GH20-1131-1	GN20-3130		EPIC FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL INSTITUTIONS - PROGRAM PRODUCT GENERAL INFORMATION PROGRAM NUMBER 5735-E92
64	GH20-1132-0			EPIC BUDGET/FINANCE FINANCIAL ACCOUNTING SYSTEM FOR EDUCATIONAL INSTITUTIONS - PROGRAM PRODUCT GENERAL INFORMATION - PROGRAM NUMBER 5735-E93
78	GH20-1134-1			FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING) 5795-AAB (OS EQUIPMENT CONTROL) 5795-AAC (DOS MESSAGE SWITCHING) 5795-AAD (DOS EQUIPMENT CONTROL)
78	GH20-1135-0	GN20-2830	**GN20-3095	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAA (OS MESSAGE SWITCHING)
78	**SH20-1136-1			FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST), SYSTEM PROGRAMMER'S - REFERENCE MANUAL PROGRAM NUMBER 5795-AAA (OS MESSAGE SWITCHING)
78	SH20-1137-0	**SN20-3096		FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) - TERMINAL OPERATOR'S MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING) 5795-AAC (DOS MESSAGE SWITCHING)
78	LH20-1138-0	LN20-2832	**LN20-3097	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) - PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING)
78	GH20-1139-0	GN20-2833	**GN20-3098	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) - FILE DESCRIPTION MANUAL - PROGRAM NUMBERS 5795-AAA (OS MESSAGE SWITCHING)
30	SH20-1146-1	SN20-3059		IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT) OPERATIONS GUIDE - PROGRAM NUMBER 5734-G21
30	SH20-1147-1	SN20-3060		IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT) PROGRAM NUMBER 5734-G21
71	GH20-1148-0			PROPERTY AND LIABILITY INFORMATION SYSTEM ENHANCEMENTS PLANNING MANUAL - PROGRAM NUMBERS 5736-N24 AND 5736-N25
79	GH20-1149-1	GN20-3090	GN20-3202	PURCHASING GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5736-XX5 (DOS), 5734-XXA (OS)
70	SH20-1150-1	SN20-3115		BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) PROGRAM PRODUCT - OPERATOR'S GUIDE - PROGRAM NUMBER 5736-G25
70	SH20-1151-1	SN20-3116		BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC INSTITUTIONS; PROGRAM PRODUCT REFERENCE MANUAL PROGRAM NUMBER 5736-G25
35	GH20-1152-1	GN33-7027		RCA 301 EMULATOR ON SYSTEM/370 USING DOS AND DOS/VS (PRPQ) - TRANSITION GUIDE, PROG. NO. 5799-ADR
35	GH20-1153-1	GN33-7028		HONEYWELL SERIES 200 EMULATOR ON SYSTEM/370 USING DOS AND DOS/VS (PRPQ) - TRANSITION GUIDE, PROG. NO. 5799-ADT
67	SH20-1154-0	SN20-2790		MARKETABLE SECURITIES INVENTORY SYSTEM, PROGRAMMING RPQ MB4259, PROGRAM REFERENCE MANUAL - PROG. NO. 5799-ABY
67	SH20-1155-0			MARKETABLE SECURITIES INVENTORY SYSTEM PROGRAMMING RPQ MB4259 - PROGRAM NUMBER 5799-ABY OPERATIONS GUIDE
82	SH20-1157-2			MATH/BASIC FOR ITF AND VM/370-CMS: OPERATIONS GUIDE, PROGRAM NUMBER 5734-XM8
82	SH20-1158-2			MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF AND VM/370-CMS PROGRAM REFERENCE MANUAL, PROG. NOS. 5703-XM2 (S/3) AND 5734-XM8 (ITF-OS/DOS/TSO AND VM/370-CMS)
67	SH20-1159-0			REGISTERED REPRESENTATIVE SYSTEM PROGRAMMING OVERVIEW PROGRAM NUMBER 5734-F34
67	GH20-1160-0			REGISTERED REPRESENTATIVE SYSTEM GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-F34
31	GH20-1163-0			(CPS) CONVERSATIONAL PROGRAMMING SYSTEM BASIC TERMINAL USER'S MANUAL - PROGRAM NUMBER 360D-03.4-016
81	SH20-1164-0			PLANNING SYSTEMS GENERATOR II (PSG II) DOS OPERATOR'S GUIDE PROGRAM PRODUCT 5736-XT1
78	SH20-1166-1			FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) SYSTEM PROGRAMMER'S REFERENCE MANUAL - PROGRAM PRODUCT 5795-AAC (DOS MESSAGE SWITCHING)

78	SH20-1167-0	SN20-2835	SN20-3052	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM PRODUCT 5795-AAC (DOS MESSAGE SWITCHING)
78	LH20-1168-0	LN20-2836		FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) PROG. NO. 5795-AAC, LOGIC (DOS MESSAGE SWITCHING)
78	SH20-1169-0	SN20-2837	SN20-3053	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) FILE DESCRIPTION MANUAL - PROGRAM PRODUCT 5795-AAC (DOS MESSAGE SWITCHING)
79	GH20-1170-2			INTERACTIVE TRAINING SYSTEM - GENERAL INFORMATION MANUAL PROGRAM NUMBER 5734-XXC
36	GH20-1171-1			SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM (S/370 DSP) GENERAL INFORMATION MANUAL, PROG. NO. 360A-TX-032
36	GH20-1173-1	GN20-3146		IBM SYSTEM/360 AND SYSTEM/370 ASP VERSION 3 ASYMMETRIC MULTI PROCESSING SYSTEM: GENERAL INFORMATION MANUAL, PROG. NO. 360A-CX-15X
81	SH20-1174-0			PLANNING SYSTEMS GENERATOR II (PSG II) DOS - PROGRAM REFERENCE MANUAL - PROGRAM PRODUCT 5736-XT1
82	GH20-1175-2			BUSINESS ANALYSIS/BASIC GENERAL INFORMATION MANUAL, PROG. NOS. 5703-XM3 (SYSTEM/3 MODEL 6) AND 5734-XMB (ITF-OS/DOS/TSO AND VM/370-CMS)
80	SH20-1177-1			PLANNING GUIDE FOR THE PL/1 QUERY SUPPORT FEATURE OF GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) PROGRAM NUMBER 5734-XX1
74	GH20-1179-0			HEALTH CARE SUPPORT/ACCOUNTING SYSTEM & DATA COMMUNICATIONS: GENERAL INFORMATION MANUAL, PROG. NO. 5746-H14 (DOS/VS)
78	LH20-1182-0	LN20-2878	**LN20-3269	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5795-AAB, AND 5795-AAD (OS AND DOS EQUIPMENT CONTROL)
78	SH20-1183-1			FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) SYSTEM PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5795-AAD - (DOS EQUIPMENT CONTROL)
78	SH20-1184-0	SN20-2880	SN20-3006	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) SYSTEM PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5795-AAB (OS EQUIPMENT CONTROL)
78	SH20-1185-0	SN20-2881		FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAB (OS EQUIPMENT CONTROL)
78	SH20-1186-0	SN20-2882 SN20-3054	SN20-3007	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) FILE DESCRIPTION MANUAL - PROGRAM NUMBERS 5795-AAB AND 5795-AAD (OS AND DOS EQUIPMENT CONTROL)
78	SH20-1187-0	SN20-2883	SN20-3008	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) TERMINAL OPERATOR'S MANUAL - PROGRAM NUMBERS 5795-AAB, AND 5795-AAD (OS AND DOS EQUIPMENT CONTROL)
71	**GH20-1188-3			ALPHA SEARCH INQUIRY SYSTEM, GENERAL INFORMATION MANUAL (PROGRAM NUMBER 5736-N14)
	GH20-1188-2#			
74	GH20-1190-0			HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM: GENERAL INFORMATION MANUAL, PROG. NO. 5746-H12 (DOS/VS)
78	SH20-1195-0	SN20-2884 SN20-3055	SN20-3009 SN20-3091	FAST INFORMATION RETRIEVAL FOR SURFACE TRANSPORTATION (FIRST) OPERATIONS MANUAL - PROGRAM NUMBER 5795-AAD (DOS EQUIPMENT CONTROL)
39	SH20-1197-0			CPS UNDER TSO TERMINAL USERS MANUAL (PRPQ) - PROGRAM NUMBER 5799-ADY
39	SH20-1198-0			CPS UNDER TSO BASIC TERMINAL USERS MANUAL (PRPQ) - PROGRAM NUMBER 5799-ADY
39	SH20-1199-0	SN20-2850		CPS UNDER TSO OPERATOR'S GUIDE (PRPQ) - PROGRAM NUMBER 5799-ADY
30	GH20-1207-1#	GN20-3129 **GN20-3260	GN20-3203	TELECOMMUNICATIONS CONTROL SYSTEM (TCS) CONCEPTS AND FACILITIES MANUAL - PROGRAM PRODUCT 5734-F31
30	**SH20-1208-1	**SN20-3248	**SN20-3262	TELECOMMUNICATIONS CONTROL SYSTEM (TCS) PROGRAMMER'S GUIDE AND REFERENCE MANUAL - PROGRAM PRODUCT 5734-F31
30	SH20-1209-0	SN20-3011 **SN20-3249	SN20-3204	TELECOMMUNICATIONS CONTROL SYSTEM (TCS) OPERATIONS GUIDE, PROGRAM NUMBER 5734-F31
79	SH20-1213-1			INTERACTIVE TRAINING SYSTEM COURSE AUTHORIZING GUIDE - PROGRAM NUMBER 5734-XXC
79	SH20-1214-1	SN20-3155	**SN20-3252	INTERACTIVE TRAINING SYSTEM OPERATIONS GUIDE - PROGRAM NUMBER 5734-XXC
79	SH20-1215-1	**SN20-3253		INTERACTIVE TRAINING SYSTEM TERMINAL USER'S GUIDE - PROGRAM NUMBER 5734-XXC
79	SH20-1216-1	**SN20-3256		INTERACTIVE TRAINING SYSTEM PROGRAM REFERENCE MANUAL PROGRAM NUMBER 5734-XXC
79	SH20-1217-0	SN20-2888 **SN20-3255	SN20-3134	INTERACTIVE TRAINING SYSTEM SUPERVISOR'S GUIDE - PROGRAM NUMBER 5734-XXC
30	SH20-1219-0	SN20-2990		DATA/360 - II CONSOLE OPERATOR'S GUIDE - PROGRAM NUMBER 5734-XS8
30	GH20-1220-0	GN20-2988		DATA/360 - II GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5734-XS8
30	SH20-1221-0	SN20-2989		DATA/360 - II TERMINAL OPERATOR'S GUIDE - PROGRAM NUMBER 5734-XS8
80	GH20-1222-0			INTERACTIVE QUERY FACILITY (IQF) INTRODUCTION LANGUAGE GUIDE PROGRAM NUMBER 5734-XX6
80	GH20-1223-0	GN20-2872		IQF TERMINAL USERS REFERENCE GUIDE (INTERACTIVE QUERY FACILITY) (IMS/360) - PROGRAM NUMBER 5734-XX6
67	SH20-1224-1	SN20-3243		SECURITIES ORDER MATCHING PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-F32
67	SH20-1225-1	**SN20-3242		SECURITIES ORDER MATCHING OPERATIONS GUIDE - PROGRAM NUMBER 5734-F32
67	SH20-1226-1	**SN20-3241		SECURITIES ORDER MATCHING SCOPE OPERATIONS GUIDE - PROGRAM NUMBER 5734-F32
67	SH20-1227-0	**SN20-3258		CHECK PROCESSING CONTROL SYSTEM (CPCS) PROGRAM REFERENCE MANUAL PROGRAM NUMBER 5734-F11
67	SH20-1228-0	**SN20-3259		CHECK PROCESSING CONTROL SYSTEM OPERATIONS GUIDE PROG. NO. 5734-F11
67	SH20-1229-0	**SN20-3257		CHECK PROCESSING CONTROL SYSTEM (CPCS): TERMINAL OPERATIONS GUIDE, PROG. NO. 5734-F11

72	GH20-1233-1		SYSTEM/370 APT-BP NUMERICAL CONTROL PROCESSOR GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5740-M51
72	GH20-1234-0		SYSTEM/370 APT-1C AND APT-AC NUMERICAL CONTROL PROCESSORS GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5740-M52 (1C) AND 5740-M53 (AC)
63	GH20-1241-0		IBM FASHION REPORTER, USER'S GUIDE - PROGRAM NUMBER 5736-D11
64	SH20-1242-1		EPIC: SOCRATES (STUDENT SCHEDULING SYSTEM FOR EDUCATIONAL INSTITUTIONS) USER'S GUIDE - PROGRAM NUMBER 5735-E91
64	SH20-1245-1		EPIC: SOCRATES STUDENT SCHEDULING SYSTEM FOR EDUCATIONAL INSTITUTIONS - OPERATIONS GUIDE PROG. NO. 5737-E91
80	**GH20-1246-2		DATA LANGUAGE/1 DISK OPERATING SYSTEM/VIRTUAL STORAGE (DL/I DOS/VS) GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5746-XX1
74	**GH20-1249-1		HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS GENERAL INFORMATION MANUAL - PROGRAM NUMBERS 5734-H11 AND 5736-H15
81	GH20-1251-2	**GN20-3302	DISPLAY MANAGEMENT SYSTEM II (DMS II) GENERAL INFORMATION MANUAL - PROGRAM PRODUCTS 5734-XC4 AND 5736-XC4
64	SH20-1252-0	SN20-3070	EPIC: BUDGET/FINANCE OPERATIONS GUIDE, PROG. NO. 5735-E93
64	SH20-1253-0	SN20-3071	EPIC: BUDGET/FINANCE USER'S GUIDE - PROGRAM NUMBER 5735-E93
80	**GH20-1260-1		INFORMATION MANAGEMENT SYSTEM VIRTUAL STORAGE (IMS/VS) GENERAL INFORMATION MANUAL PROGRAM NUMBER 5740-XX2
82	SH20-1262-1		BUSINESS ANALYSIS/BASIC FOR ITF AND VM/370-CMS OPERATIONS GUIDE, PROG. NO. 5734-XMB
82	SH20-1264-2		BUSINESS ANALYSIS/BASIC PROGRAM REFERENCE MANUAL, PROG. NOS. 5703-XM4 (S/3 MOD 6), 5734-XMB (ITF-OS/DOS/TSO & VM/370-CMS)
74	**GH20-1265-1		HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM PHYSICIANS GUIDE - PROGRAM NUMBERS 5736-H15 AND 5734-H11
80	**SH20-1268-1		CICS FEATURE OF DBOMP: PROGRAM REFERENCE AND OPERATIONS MANUAL, PROG. NO. 5736-XX4
74	**SH20-1270-1		PROGRAM PRODUCT 5736-XX4
			HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM PROGRAM REFERENCE MANUAL AND OPERATIONS GUIDE
82	GH20-1271-0		PROG. NOS. 5734-H11 (OS, OS/VS) AND 5736-H15 (DOS, DOS/VS)
80	GH20-1272-0		ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP)
80	GH20-1273-0		GENERAL INFORMATION MANUAL - PROG. NO. 5796-PBH
74	SH20-1276-0		DATA BASE DESIGN EVALUATION (DBPROTOTYPE) GENERAL INFORMATION MANUAL - IUP NUMBER 5796-PBB
30	SH20-1277-0		PROGRAMMING LANGUAGE FOR IMS-PLIMS GENERAL INFORMATION MANUAL - IUP NUMBER 5796-PBF
81	**GH20-1280-2		SELF-STUDY IMPLEMENTATION COURSE FOR HEALTH CARE SUPPORT ECG PROGRAM PRODUCT - PROG. NOS. 5734-H11 AND 5736-H15
			SYSTEM/3 SHOP LOADING AND CONTROL PROGRAM REFERENCE MANUAL
			CUSTOMER INFORMATION CONTROL SYSTEM (CICS/VS) GENERAL INFORMATION MANUAL
64	SH20-1281-1		PROGRAM NUMBERS CICS/OS/VS 5740-XX1 AND CICS/DOS/VS 5746-XX3
			EPIC: STUDENT RECORD SYSTEM FOR EDUCATIONAL INSTITUTIONS OPERATIONS GUIDE
64	SH20-1282-1		PROGRAM NUMBER 5735-E94
64	SH20-1283-1		EPIC: FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL INSTITUTIONS OPERATIONS GUIDE - PROGRAM NUMBER 5735-E92
64	SH20-1284-1		EPIC: FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL INSTITUTIONS USER'S MANUAL - PROG. NO. 5735-E92
36	GH20-1289-1		EPIC: STUDENT - STUDENT RECORD SYSTEM FOR EDUCATIONAL INSTITUTIONS USER'S GUIDE - PROGRAM NUMBER 5735-E94
36	GH20-1290-1		ASYMMETRIC MULTIPROCESSING SYSTEM OPERATOR'S MANUAL, PROG. NO. 360A-CX-15X
36	GH20-1291-1		PROGRAM NUMBER 360A-CX-15X
36	GH20-1292-1		ASYMMETRIC MULTIPROCESSING SYSTEM: MESSAGES & CODES MANUAL, PROGRAM NUMBER 360A-CX-15X
72	**GH20-1293-1		ASYMMETRIC MULTIPROCESSING SYSTEM - APPLICATION PROGRAMMER'S MANUAL - PROGRAM NUMBER 360A-CX-15X
			IBM S/360 AND S/370 ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM - SYSTEM PROGRAMMER'S MANUAL - PROGRAM NUMBER 360A-CX-15X
67	SH20-1300-0		IBM SYSTEM/370 MACHINING AND DISPLAY APPLICATION PROGRAM (MDAP) FOR IBM 5275 DIRECT NUMERICAL CONTROL STATION: GENERAL INFORMATION MANUAL, PROG. NOS. 5740-XN2 (OS) AND 5746-XN2 (DOS)
80	SH20-1303-1		DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK AND TRUST COMPANY ROCKY MOUNT, NORTH CAROLINA
80	SH20-1304-1#		PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROG. NO. 5796-ABL
80	SH20-1304-0#	SN20-2702	DBPROTOTYPE PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBB
80	SH20-1305-0	SN20-2707	PROGRAMMING LANGUAGE FOR IMS - PLIMS PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBF
80	SH20-1306-0		IMSMAP - DATA BASE MAPPING PROGRAMS - PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBC
80	SH20-1307-1#	**SN20-3172	BTS (BATCH TERMINAL SIMULATOR) PROGRAM DESCRIPTION/OPERATIONS MANUAL - IUP NUMBER 5796-PBD
63	SH20-1308-0		TEST IMS UTILITIES PROGRAM DESCRIPTION/OPERATIONS MANUAL IUP NUMBER 5796-PBE
75	SH20-1314-0		JAMES ALLAN AND SONS ON-LINE ORDER SYSTEM PROGRAM DESCRIPTION/OPERATIONS MANUAL - PROGRAM NUMBER 5796-ABK
64	SH20-1316-0		MULTICOLUMN DISTILLATION PROGRAM - PROGRAM DESCRIPTION OPERATIONS MANUAL - IUP NUMBER 5796-PAH
63	**SH20-1321-1		S/360/370 FILM LIBRARY MANAGEMENT SYSTEM (FLMS) PDOM 5796-ACW (UNIVERSITY OF IOWA) - IUP NUMBER 5796-ACW
			DISTRIBUTION ORDER ENTRY SYSTEM LAG DRUG COMPANY CHICAGO, ILLINOIS - PROGRAM DESCRIPTION/OPERATIONS MANUAL PROG. NO. 5796-ABT

72	SH20-1324-0		GENERALIZED CREATE/REORGANIZE UTILITY SYSTEM FOR S/370 EASTMAN KODAK PDOM - IUP NUMBER 5796-ACZ
64	SH20-1325-0		STUDENT RESPONSE ANALYSIS PROCESSORS (STRAP) FOR S/370 OHIO STATE UNIVERSITY PDOM - IUP NUMBER 5796-ACX
80	SH20-1328-0		RESPONSIBILITY ACCOUNTING SYSTEM - THE PHILADELPHIA NATIONAL BANK - PDOM NUMBER 5796-ACA
63	SH20-1341-1		DISTRIBUTION ORDER ENTRY SYSTEM, LAG DRUG CO.: IUP 5796-ABT DESCRIPTION/OPERATIONS
63	SH20-1342-0	SN20-2710     **SN20-3173	THE TWIN FAIR MERCHANDISE PROCESSING SYSTEM - SYSTEM/370 CICS WITH 3270'S PROGRAM DESCRIPTION/OPERATION MANUAL - IUP NUMBER 5796-ADB
78	**SH20-1343-0		FREIGHT BILL AUDIT AND RATING SYSTEM - IUP 5796-AEJ, DESCRIPTION/OPERATION
67	SH20-1347-0		MICR OS TRANSIT SYSTEM DESCRIPTION/OPERATIONS - IUP NUMBER 5796-ADG
81	**SH20-1358-1		S/370 CICS ON LINE TEST/DEBUG CON EDISON - IUP 5796-AEF DESCRIPTION/OPERATIONS
81	SH20-1359-0		S/370 CICS/COBOL CALL INTERFACE NATIONAL BANK OF DETROIT 5796-AEG DESCRIPTION/OPERATIONS
80	SH20-1360-0		3270 FORMATTING FEATURE FOR BATCH TERMINAL SIMULATOR (BTS) IUP 5796-PBD DESCRIPTION/OPERATIONS
37	**SH20-1361-1#		TEST DATA GENERATOR - IUP 5796-PBP, DESCRIPTION/OPERATIONS
	SH20-1361-0#		
79	SH20-1365-0		COMPUTER GENERATED CORRESPONDENCE, IUP 5796-AER, DESCRIPTION/OPERATION
80	SH20-1368-0		DATA COMMUNICATION ANALYZER (DCANALYZER) IUP 5796-PCA DESCRIPTION/OPERATIONS
73	**SH20-1372-0		TERMTEXT/FORMAT - IUP 5796-PBR - DESCRIPTION/OPERATIONS
73	**SH20-1373-0		TERMTEXT/FORMAT - IUP 5796-PBR - SYSTEM INFORMATION
63	**SH20-1385-0		DISTRIBUTION ORDER ENTRY SYSTEM FOR SYSTEM 360/370 WITH 3270'S 3340 SUPPORT - IUP 5796-ABT, DESCRIPTION/OPERATIONS
36	GH20-1403-0	GN20-3147	IBM SYSTEM/360 AND SYSTEM/370 ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM LOGIC MANUAL - PROGRAM NUMBER 360A-CX-15X
71	**SH20-1405-1		ALPHA SEARCH INQUIRY SYSTEM PROGRAM REFERENCE MANUAL
71	**SH20-1406-1#		ALPHA SEARCH INQUIRY SYSTEM OPERATIONS GUIDE
	SH20-1406-0#		
79	**GH20-1408-1		ADVANCED TEXT MANAGEMENT SYSTEM, OS AND DOS VERSIONS GENERAL INFORMATION ATMS/OS PROGRAM PRODUCT NUMBER 5740-XX3 ATMS/DOS PROGRAM PRODUCT NUMBER 5746-XX4
79	SH20-1409-0	**SN20-3201	PURCHASING PROGRAM REFERENCE MANUAL - PROGRAM PRODUCTS 5736-XX5 AND 5734-XXA
79	**SH20-1410-1		PURCHASING, OPERATIONS GUIDE (OS) - PROGRAM NUMBER 5734-XXA
79	**SH20-1412-1		PURCHASING, OPERATIONS GUIDE (DOS) PROGRAM NO. 5736-XX5
72	SH20-1413-0		SYSTEM/370 APT - AC NUMERICAL CONTROL PROCESSOR OPERATION GUIDE PROG. PROD. 5740-M53
72	**SH20-1414-0		SYSTEM/360 APT-AC NUMERICAL CONTROL PROCESSOR PROGRAM REFERENCE MANUAL VOL.I PROG. NO. 5740-M53
72	SH20-1416-0		SYSTEM/370 APT-IC NUMERICAL CONTROL PROCESSOR OPERATIONS GUIDE - PROG. NO. 5740-M52
72	SH20-1417-0		SYSTEM/370 APT-IC NUMERICAL CONTROL PROCESSOR PROGRAM REFERENCE MANUAL - VOLUME 1 PROG. NO. 5740-M52
72	SH20-1419-0		SYSTEM/370 APT-BP NUMERICAL CONTROL PROCESSOR PROGRAM REFERENCE MANUAL VOLUME I - PROGRAM NUMBER 5740-M51
72	SH20-1420-0		SYSTEM/370 APT-BP OPERATIONS GUIDE - PROGRAM NUMBER 5740-M51
81	SH20-1422-0		CREDIT MANAGEMENT SYSTEM PROGRAM REFERENCE AND OPERATIONS MANUAL - PROGRAM NUMBER 5799-ADF, PRPQ WB4982
72	GH20-1423-0		SYSTEM/370 APT-AC NUMERICAL CONTROL PROCESSOR PROGRAM NUMBER 5740 - M53 GENERAL INFORMATION MANUAL
72	**GH20-1424-0	**GN20-3169	SYSTEM/370 APT-IC NUMERICAL CONTROL PROCESSOR GENERAL INFORMATION MANUAL - PROG. NO. 5740-M52 (IC)
81	SH20-1456-0	**SN20-3239	DISPLAY MANAGEMENT SYSTEM II (DMS II) OS/VVS OPERATIONS GUIDE PROGRAM NUMBER 5734-XC4
81	**SH20-1457-1		DISPLAY MANAGEMENT SYSTEM II (DMS II) OS/VVS PROGRAM REFERENCE MANUAL - PROGRAM NUMBER 5734-XC4
81	GH20-1459-0		PLANNING SYSTEMS GENERATOR ON VM/370 (PSG/CMS): GENERAL INFORMATION MANUAL, PROG. NO. 5748-XT1
22	SH20-1461-0		APL SHARED VARIABLES (APLSV) PROGRAMMING RPQ WE1191 OPERATIONS GUIDE - PROGRAM NUMBER 5799-AJF
22	SH20-1463-0		APL SHARED VARIABLES (APLSV) PROGRAMMING RPQ WE1191 TSIO PROGRAM REFERENCE MANUAL - PROG. NO. 5799-AJF
81	GH20-1466-0		CREDIT MANAGEMENT SYSTEM II GENERAL INFORMATION MANUAL PROG. NO. 5799-AHJ
81	SH20-1467-0		CREDIT MANAGEMENT SYSTEM II PROGRAM REFERENCE MANUAL AND OPERATIONS GUIDE - PROG. NO. 5799-AHJ
81	SH20-1468-0		PLANNING SYSTEMS GENERATOR ON VM/370 (PSG/CMS): TERMINAL USER'S GUIDE, PROG. NO. 5748-XT1
81	SH20-1469-0		PLANNING SYSTEMS GENERATOR ON VM/370 (PSG/CMS): OPERATIONS GUIDE, PROG. NO. 5748-XT1
72	**SH20-1470-0		SYSTEM/370 MDAP FOR THE 5275: PROG. PROD. 5740-XN2 (OS/VVS) REFERENCE MANUAL & OPERATIONS GUIDE
72	SH20-1471-0		MACHINE AND DISPLAY APPLICATION PROGRAM (MDAP) TERMINAL USERS GUIDE PROGRAM NUMBERS 5740-XN2, 5746-XN2
79	SH20-1472-0	**SN20-3254	INTERACTIVE TRAINING SYSTEM COURSE AUTHORIZING GUIDE EXPANDED COURSE STRUCTURING FEATURE
72	**SH20-1492-0		SYSTEM/370 MACHINE & DISPLAY APPLICATION PROGRAM (MDAP) FOR THE IBM 5275 DIRECT NUMERICAL CONTROL STATION PROG. REFERENCE MANUAL & OPERATIONS GUIDE PROG. NO. 5746-XN2 (DOS/VVS)

79	GH20-1493-0		A GUIDE TO AN ONLINE PURCHASING SYSTEM
74	**SH20-1494-0		HEALTH CARE SUPPORT/ACCOUNTING SYSTEM PROGRAM REFERENCE MANUAL - PROG. NO. 5746-H14
76	GH20-1496-0		SYSTEM/370 ENERGY MANAGEMENT SYSTEM GENERAL INFORMATION MANUAL PROGRAM NUMBER 5740-U11
74	**SH20-1497-0		HEALTH CARE SUPPORT/DATA COMMUNICATIONS PROGRAM NO. 5746-H13 - REFERENCE MANUAL
78	**GH20-1500-0		FREIGHT AND EQUIPMENT REPORTING SYSTEM FOR TRANSPORTATION/VIRTUAL SYSTEM (FERST/VS) GENERAL INFORMATION MANUAL PROG. NOS. 5795-AAF MESSAGE SWITCHING (OS), 5795-AAG (DOS) 5795-AAH EQUIPMENT CONTROL (OS) 5795-AAJ (DOS) 5795-AAK FREIGHT BILLING (OS), 5795-AAL (DOS)
74	**SH20-1501-0		HEALTH CARE SUPPORT/ACCOUNTING SYSTEM OPERATIONS GUIDE PROG. NO. 5746-H14
81	**GH20-1502-0		FASTER LANGUAGE FACILITY FOR THE CUSTOMER INFORMATION CONTROL SYSTEM - PROG. NOS. 5740-XX1, 5746-XX3
74	**SH20-1503-0		HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM REPORTING PROGRAM REFERENCE MANUAL PROGRAM NUMBER 5746-H12
74	**SH20-1504-0	**SN20-3338	HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM - REPORTING OPERATIONS GUIDE PROGRAM NUMBER 5746-H12
74	**SH20-1505-0		HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM - REPORTING LABORATORY MANUAL PROGRAM NUMBER 5746-H12
81	**GH20-1506-0		PLANNING SYSTEM GENERATOR UNDER THE OS/VS2 TIME SHARING OPTION (PSG/TSO) GENERAL INFORMATION MANUAL PROGRAM NUMBER 5740-XT1
74	**SH20-1507-0		HEALTH CARE SUPPORT/DATA COMMUNICATIONS PROGRAM OPERATIONS GUIDE PROGRAM NUMBER 5746-H13
81	**SH20-1508-0		PLANNING SYSTEMS GENERATOR UNDER THE OS/VS2 TIME SHARING OPTION (PSG/TSO) OPERATIONS GUIDE PROGRAM NUMBER 5740-XT1
81	**SH20-1509-0		PLANNING SYSTEMS GENERATOR UNDER THE OS/VS2 TIME SHARING OPTION (PSG/TSO) USER'S GUIDE - PROG. NO. 5740-XT1
67	**GH20-1512-0		GENERAL INFORMATION MANUAL COMMERCIAL LOAN SYSTEM
81	**SH20-1572-0		DISPLAY MANAGEMENT SYSTEM II DOS/VS (DMS II) OPERATIONS GUIDE
72	GH20-4005-2		OS/360 REQUIREMENTS PLANNING PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-M51
79	GH20-4006-0		LEARN ATS-DOS: PROGRAM PRODUCT SPEC., PROG. NO. 5736-XX3 PROGRAM NUMBER 5736-XX3
79	GH20-4007-0		LEARN ATS-OS: PROGRAM PRODUCT SPEC., PROG. NO. 5734-XX8 PROGRAM NUMBER 5734-XX8
72	GH20-4008-1		OS/360 INVENTORY CONTROL PROGRAM NUMBER 5734-M52 SPECIFICATION SHEETS
72	GH20-4012-1		SYSTEM/360 REQUIREMENTS PLANNING INTERFACE PROGRAM NUMBER 5736-M13
72	**GH20-4013-1		SYSTEM/360 CAPACITY PLANNING--FINITE LOADING: PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-M12
72	**GH20-4014-1		SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING PROGRAM PRODUCT SPEC'S PROG. NO. 5736-M11
74	GH20-4021-0		SHARED LABORATORY INFORMATION SYSTEM (SLIS) PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-H12
72	**GH20-4024-1		SHOP FLOOR CONTROL: PROGRAM PRODUCT SPEC'S PROG. # 5736-M31
38	GH20-4026-0		SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM WITH DISK OS (RAX-DOS) PROGRAM NUMBER 5799-AAA SPECIFICATION SHEET
80	**GH20-4028-5		DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-XX4
71	GH20-4031-1		PALIS ADDITIONAL FILE FACILITY VERSION 1 MODIFICATION LEVEL 1 SPECIFICATIONS - PROGRAM PRODUCT 5736-N22
30	GH20-4032-0		FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - LOW CORE (FASTER LC) SPECIFICATIONS - PROGRAM NUMBER 5736-G22
83	GH20-4035-2		GENERAL PURPOSE SIMULATION SYSTEM V-OS (GPSS V-OS) PROGRAM NUMBER 5734-XS2
73	GH20-4037-1		SYSTEM/360 TEXT PROCESSOR PAGINATION/360 PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-K12
30	GH20-4039-0		DIRECT ACCESS TERMINAL APPLICATION (DATA/360-DOS) PROGRAM NUMBER 5736-XS2
83	GH20-4040-0		GENERAL PURPOSE SIMULATION SYSTEM V-DOS (GPSS V-DOS) PROGRAM NUMBER 5736-XS3
78	GH20-4041-0		IBM VEHICLE SCHEDULEING PROGRAM - EXTENDED (OS) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-XM5
78	GH20-4042-0		IBM VEHICLE SCHEDULING PROGRAM - EXTENDED (DOS) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5736-XM3
81	GH20-4043-0		CUSTOMER INFORMATION CONTROL SYSTEM OS - STANDARD (CICS/OS) AND LANGUAGE AND TERMINAL FEATURE (L/T) NO. 6004, 6005, OR 6006, PROGRAM PRODUCT SPECIFICATIONS, PROG. NO. 5736-U11
22	GH20-4046-2		APL/360 DOS: SPECIFICATIONS, PROG. NO. 5736-XM6
22	GH20-4047-2		APL/360 OS SPECIFICATIONS - PROGRAM PRODUCT 5734-XM6
30	GH20-4076-0		SYSTEM/360 GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (OS) PROGRAM PRODUCT FUNCTIONAL DESCRIPTION SHEET PROGRAM PRODUCT 5734-XX2
82	GH20-4079-0		SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - PS (M44) PROGRAM PRODUCT FUNCTIONAL DESCRIPTION SHEET PROGRAM NUMBER 5736-P71
82	**GH20-4080-2		SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - OS PROGRAM PRODUCT FUNCTIONAL DESCRIPTION, PROG. NO. 5736-P72
81	GH20-4081-0		PROJECT MANAGEMENT SYSTEM/360 VERSION 3 FUNCTIONAL DESCRIPTION SHEET - PROGRAM NUMBER 5734-XP1
70	GH20-4085-0		LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMNAS) FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-G21
67	GH20-4087-0		FINANCIAL TERMINAL SYSTEM (FTS) FUNCTIONAL DESCRIPTION SHEET PROGRAM PRODUCT 5736-F12
81	GH20-4089-0		IBM SYSTEM/360 RESOURCE ALLOCATION FOR PROJECT CONTROL SYSTEM/360 FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-XP2

24	GH20-4101-0	CONTROL PROGRAM 67 ONLINE COBOL SYMBOLIC DEBUG (PROGRAMMING RPQ AA0476): PROG. NO. 5799-AAE SPECIFICATIONS
82	GH20-4102-3	MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) SPECIFICATION SHEET - PROGRAM NUMBER 5734-XM4
81	GH20-4103-0	DISPLAY MANAGEMENT SYSTEM (DMS): PROGRAM PRODUCT SPEC'S PROG. NO. 5734-XC1
81	GH20-4104-0	PROJECT MANAGEMENT SYSTEM IV, PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5734-XP4
30	GH20-4105-0	DIRECT ACCESS TERMINAL APPLICATION (DATA/360-OS) PROGRAM NUMBER 5734-XS3
80	**GH20-4106-5	INFORMATION MANAGEMENT SYSTEM/360 (IMS/360) VERSION 2 SPECIFICATIONS - PROGRAM PRODUCT 5734-XX6
82	GH20-4109-0	PROCEDURE LIBRARY-MATHEMATICS (PL-MATH) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-XM3
72	GH20-4110-1	OS/360 REQUIREMENTS PLANNING SPECIAL FEATURE #6015
72	GH20-4111-1	PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M51
72	GH20-4112-1	OS CAPACITY PLANNING - INFINITE LOADING PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M53
72	GH20-4113-1	OS CAPACITY PLANNING - FINITE LOADING PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-M54
72	GH20-4113-1	OS SHOP FLOOR CONTROL, PROGRAM NUMBER 5734-M31
70	GH20-4118-1	PROGRAM PRODUCT SPECIFICATION SHEET
67	GH20-4121-2	IBM BASIC COURTS SYSTEM SPECIFICATIONS SHEETS PROGRAM NUMBER 5736-G26
81	GH20-4122-0	BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) SPECIFICATIONS
78	GH20-4123-0	PROGRAM PRODUCT 5736-F31
80	GH20-4124-3	MINIPERT - PROGRAM NUMBER 5734-XP3
71	GH20-4127-0	FARE QUOTE/TICKETING SPECIFICATION SHEET PROGRAM NUMBER 5736-T11
64	GH20-4128-2	GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2) SPECIFICATIONS SHEET PROGRAM NUMBER 5734-XX1
30	GH20-4130-1	CONSOLIDATED FUNCTIONS ORDINARY II - CFO-II SPECIFICATIONS SHEETS - PROGRAM NUMBER 5736-N13
81	GH20-4131-4	COURSEWRITER III/DOS VERSION 3 - SPECIFICATION SHEET PROGRAM NUMBER 5736-E11
72	GH20-4133-1	THE DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) PROGRAM NUMBER 5736-G24
81	GH20-4134-4	CUSTOMER INFORMATION CONTROL SYSTEM/DOS-STANDARD (CICS/DOS-STANDARD), PROG. NO. 5736-XX7, 3330 SUPPORT FEATURE 5003, 5004, 5005: PROGRAM PRODUCT SPECIFICATIONS
72	GH20-4135-0	OS REQUIREMENTS PLANNING EXTENSIONS - SPECIFICATIONS PROGRAMMING RPQ EA6264 - PROGRAM NUMBER 5799-AAY
81	GH20-4136-1	CUSTOMER INFORMATION CONTROL SYSTEM/DOS ENTRY (CICS/DOS-ENTRY), PROG. NO. 5736-XX6, 3330 SUPPORT FEATURE 5000, 5001, 5002: PROGRAM PRODUCT SPECIFICATIONS
65	GH20-4137-1	3330/2305 APT SUPPORT PROGRAMMING RPQ WB5773 PROGRAM NUMBER 5799-ACZ (PRPQ SPECIFICATIONS)
79	GH20-4139-1	PLANNING SYSTEMS GENERATOR II (PSG II): PROGRAM PRODUCT SPEC'S, PROG. NO. 5734-XT1
81	GH20-4140-4	ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP-II) FOR THE OPERATING SYSTEM: PROGRAM PRODUCT 5734-EE1 SPECIFICATIONS
80	GH20-4141-0	STAT/BASIC FOR ITF - SPECIFICATION SHEET PROGRAM 5734-XA3
63	GH20-4142-1	CUSTOMER INFORMATION CONTROL SYSTEM/OS - STANDARD V2 (CICS/OS - STANDARD V2) SPECIFICATIONS - PROGRAM PRODUCT 5734-XX7
82	GH20-4146-0	BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE PROGRAM NUMBER 5734-XX9
70	GH20-4148-0	FASHION REPORTER PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-D11
30	GH20-4149-1	IBM SYSTEM/360 AND SYSTEM/370 SUBROUTINE LIBRARY MATHEMATICS (SL-MATH) SPECIFICATIONS - PROGRAM NUMBER 5736-XM7
80	GH20-4170-1	BACIS (BUDGET ACCOUNTING INFORMATION SYSTEM) FOR PUBLIC INSTITUTIONS - PROGRAM PRODUCT SPECIFICATIONS PROGRAM NUMBER 5736-G25
71	GH20-4199-1#	THE OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-MULTITHREAD (OS FASTER MT) PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5734-G21
74	GH20-4233-0	GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2) DESIGN OBJECTIVES - PROGRAM NUMBER 5734-XX1
74	GH20-4234-0	PALIS ADDITIONAL FILE FACILITY - PROGRAM NUMBER 5736-N22
74	GH20-4235-0	PROGRAM PRODUCT DESIGN OBJECTIVES
81	**GH20-4236-2	HEALTH CARE SUPPORT/DATA COMMUNICATIONS PROGRAM DESIGN OBJECTIVES - PROGRAM PRODUCT 5746-H13
81	**GH20-4237-1	HEALTH CARE SUPPORT/ACCOUNTING SYSTEM DESIGN OBJECTIVES PROGRAM NUMBER 5746-H14 - FEATURE 6001 OR 6002
80	**GH20-4238-1	HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM DESIGN OBJECTIVES - PROGRAM PRODUCT 5746-H12
81	GH20-4242-0	CUSTOMER INFORMATION CONTROL SYSTEM/DOS/VS (CICS/DOS/VS) CUSTOMER INFORMATION SYSTEM/OS/VS (CICS/OS/VS) DESIGN OBJECTIVES, - PROG. PROD. 5740-XX1
79	**GH20-4244-2	INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS) DESIGN OBJECTIVES - PROG. PROD. 5740-XX2
79	**GH20-4245-2	DISPLAY MANAGEMENT SYSTEM II (DMS II DOS/VS) DESIGN OBJECTIVES - PROGRAM PRODUCT 5736-XC4
72	GH20-4247-0	ADVANCED TEXT MANAGEMENT SYSTEM DESIGN OBJECTIVES - PROGRAM PRODUCTS 5740-XX3 (ATMS/OS) AND 5746-XX4 (ATMS/DOS/VS)
		IBM SYSTEM/370 (OS/VS) STORAGE AND INFORMATION RETRIEVAL SYSTEM/VIRTUAL STORAGE (STAIRS/VS)
		PROGRAM PRODUCT 5740-XR1 - SPECIFICATION SHEET
		MACHINING AND DISPLAY APPLICATION PROGRAM (MDAP) DESIGN OBJECTIVES - PROGRAM PRODUCT 5746-XN2



67	GH20-4248-0	CPCS/3890 FEATURE 6080/6081 PROGRAM PRODUCT 5734-F11 DESIGN OBJECTIVES
80	GH20-4252-0	GENERALIZED INFORMATION SYSTEM VIRTUAL STORAGE (GIS/VS) PROGRAM NUMBER 5740-XX7 - DESIGN OBJECTIVES
76	GH20-4255-0	SYSTEM/370 ENERGY MANAGEMENT SYSTEM PROG. NO. 5740-U11 DESIGN OBJECTIVES
81	GH20-4256-0	FASTER LANGUAGE FACILITY FOR CICS/DOS/VS (5746-XX3) AND FOR CICS/OS/VS (5740-XX1): PROG. PROD. DESIGN OBJECTIVES
78	**GH20-4258-0	FREIGHT AND EQUIPMENT REPORTING SYSTEM FOR TRANSPORTATION VIRTUAL STORAGE (FERST/VS) OS/VS1 DESIGN OBJECTIVES
78	**GH20-4260-0	PROGRAM PRODUCTS 5795-AAK, AAH, AAF FREIGHT AND EQUIPMENT REPORTING SYSTEM FOR TRANSPORTATION VIRTUAL STORAGE (FERST/VS) DOS/VS DESIGN OBJECTIVES
71	**GH20-4261-0	PROGRAM PRODUCTS 5795-AAL, AAJ, AAG LIFE INQUIRY/DATA ENTRY DESIGN OBJECTIVES
74	**GH20-4263-0	PROGRAM PRODUCT 5746-N11 PROGRAMMING RPQ #EEE063 HEALTH CARE SUPPORT/COORDINATOR OF BENEFITS - DESIGN OBJECTIVES - PROGRAM 5799-AKK
81	**GH20-4265-0	CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE DOV/VS VERSION 1 MODIFICATION LEVEL 1 DESIGN OBJECTIVES
81	**GH20-4266-0	PROG. NO. 5746-XX3 CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE OS/VS (CICS/OS/VS) VERSION 1 MODIFICATION LEVEL 1
80	**GH20-4267-0	DESIGN OBJECTIVES PROG. NO. 5740-XX1 INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS) VERSION 1 MODIFICATION LEVEL 1 DESIGN OBJECTIVES
64	GH20-4301-2	PROG. NO. 5740-XX2 COURSEWRITER III/OS VERSION 3 - SPECIFICATION SHEET
71	GH20-4302-0	PROGRAM NUMBER 5734-E13 PALIS AUTOMOBILE ENHANCEMENT - SPECIFICATION SHEET
83	GH20-4303-3	PROGRAM NUMBER 5736-N24 CONTINUOUS SYSTEM MODELING PROGRAM (CSMP III) PPS - PROGRAM NUMBER 5734-XS9
67	GH20-4304-1	MARKETABLE SECURITIES INVENTORY SYSTEM PROGRAMMING RPQ MB4259 - SPECIFICATION SHEET - PROGRAM NUMBER 5799-ABY
71	GH20-4307-0	PALIS HOMEOWNERS ENHANCEMENTS - PROGRAM NUMBER 5736-N25 PROGRAM PRODUCT SPECIFICATIONS
82	GH20-4308-1	MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF (OS, DOS, TSO), AND VM/370-CMS: SPECIFICATIONS, PROG. NOS. 5703-XM2 AND 5734-XM8
81	GH20-4309-0	PSG II DOS - SPECIFICATIONS, PROG. NO. 5736-XT1
79	GH20-4312-0	STORAGE AND INFORMATION RETRIEVAL SYSTEM SPECIFICATION SHEET (STAIRS) - PROGRAM NUMBER 5734-XR3
79	GH20-4314-4	INTERACTIVE TRAINING SYSTEM: COURSE STRUCTURING FEATURE AND EXPANDED COURSE STRUCTURING FEATURE, PROGRAM PRODUCT 5734-XXC SPECIFICATIONS
39	GH20-4315-0	CPS UNDER TSO PRPQ SPECIFICATIONS
80	**GH20-4316-2	PROGRAM NUMBER 5799-ADY INTERACTIVE QUERY FACILITY (IQF) FEATURE FOR INFORMATION MANAGEMENT SYSTEM (IMS/360) V2 - SPECIFICATION SHEET
64	GH20-4317-2	PROG. PROD. 5734-XX6 EPIC SOCRATES STUDENT SCHEDULING SYSTEM
30	GH20-4318-0	SPECIFICATION SHEET - PROG. NO. 5735-E91 DIRECT ACCESS TERMINAL APPLICATION (DATA/360-11) PPS, PROGRAM NUMBER 5734-XS8
80	**GH20-4320-2	VANCOUVER DATA LANGUAGE-ONE (VANDL-1) SPECIFICATIONS - PROGRAM NO. 5799-AEY
81	GH20-4321-2	IBM SYSTEM/360 AND SYSTEM/370 OS BUDGETS AND PLANS GENERATOR (BUDPLAN): PROGRAM PRODUCT 5734-F51 SPECIFICATIONS
64	GH20-4322-2	EPIC: BUDGET/FINANCE SPECIFICATIONS - PROGRAM NUMBER 5735-E93
67	GH20-4323-1	IBM SECURITIES ORDER MATCHING (SOM) SPECIFICATIONS - PROGRAM PRODUCT 5734-F32
30	GH20-4324-1	IBM TELECOMMUNICATIONS CONTROL SYSTEM (TCS) SPECIFICATIONS PROGRAM PRODUCT 5734-F31
81	GH20-4325-1	SYSTEM/360 AND SYSTEM/370 FORECASTING AND MODELING SYSTEMS SPECIFICATIONS - PROGRAM PRODUCTS 5736-XS4 (DOS VERSION) AND 5734-XS7 (OS VERSION)
82	GH20-4326-1	BUSINESS ANALYSIS/BASIC FOR SYSTEM/3 MODEL 6, ITF (OS, DOS, TSO), AND VM/370-CMS: SPECIFICATIONS, PROG. NOS. 5703-XM3 AND 5734-XMB
82	**GH20-4327-1	IBM SYSTEM/360 AND SYSTEM/370 MATRIX GENERATOR AND REPORT WRITER (MGRW) SPECIFICATIONS - PROGRAM PRODUCT 5734-XMC
80	GH20-4328-0	CICS FEATURE OF DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR SPECIFICATIONS - PROGRAM PRODUCT 5736-XX4
64	GH20-4331-1	EPIC: STUDENT PROGRAM PRODUCT SPECIFICATION - PROGRAM NUMBER 5735-E94
64	GH20-4332-1	EPIC: FAST TEST SCORING SYSTEM PROGRAM PRODUCT SPECIFICATIONS - PROGRAM NUMBER 5735-E92
74	**GH20-4333-2	IBM HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS PROGRAM PPS - PROGRAM PRODUCTS 5734-H11 AND 5736-H15
71	**GH20-4337-3	ALPHA SEARCH (INQUIRY SYSTEM SPECIFICATIONS) - PROGRAM NUMBER 5736-N14
81	GH20-4339-0	CREDIT MANAGEMENT SYSTEM ( PROGRAMMING RPQ WB4982): PROG. NO. 5799-ADF SPECIFICATIONS
79	GH20-4340-0	S/360 - S/370 PURCHASING SPECIFICATIONS - PROGRAM PRODUCTS 5736-XX5 (DOS) AND 5734-XXA (OS)
67	**GH20-4343-1	CHECK PROCESSING CONTROL SYSTEM (CPCS) - PROGRAM NUMBER 5734-F11 SPECIFICATIONS
81	GH20-4344-0	DISPLAY MANAGEMENT SYSTEM II (DMS II OS/VS) SPECIFICATIONS PROGRAM PRODUCT 5734-XC4
72	GH20-4345-2	SYSTEM/370 AUTOMATICALLY PROGRAMMED TOOL, SPECIFICATIONS: APT-BP (BASIC POSITIONING), PROG. 5740-M51 APT-IC (INTERMEDIATE CONTOURING), PROG. 5740-M52 APT-AC (ADVANCED CONTOURING), PROG. 5740-M53

81	GH20-4346-0		PLANNING SYSTEMS GENERATION ON VM/370 (PSG/CMS) PROGRAM NUMBER 5748-XT1
22	GH20-4347-0		APL SHARED VARIABLES (APLSV) - PROGRAM NO. 5799-AJF (PRPQ NUMBER WE1191) - SPECIFICATIONS SHEET
81	GH20-4348-0		CREDIT MANAGEMENT SYSTEM II (PROGRAMMING RPQ MD6769): PROG. NO. 5799-AHJ SPECIFICATIONS
81	GH20-4349-1		SYSTEM/370 BUDGETS AND PLANS GENERATOR - DOS/V (BUD PLAN) SPECIFICATIONS PROGRAM PRODUCT 5746-FS1
80	**GH20-4350-1		DI/I DOS/V, PROG. PROD. 5746-XX1 SPECIFICATIONS, VERSION 1 MODIFICATION LEVEL 0
72	GH20-4351-0		MACHINING AND DISPLAY APPLICATION PROGRAM (MDAP) SPECIFICATIONS PROGRAM PRODUCT 5740-XN2
67	GH20-4353-0		BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE), SPECIFICATIONS PROGRAM NUMBER 5746-F31
81	**GH20-4354-0		CUSTOMER INFORMATION CONTROL SYSTEM OS/V PROGRAM PRODUCT (5740-XX1) SPECIFICATIONS (VERSION 1, MODIFICATION LEVEL 0)
80	**GH20-4355-0		INFORMATION MANAGEMENT SYSTEM VIRTUAL STORAGE (IMS/V) SPECIFICATIONS VERSION 1 MODIFICATION LEVEL 0 PROG. NO. 5740-XX2
74	**GH20-4356-0		HEALTH CARE SUPPORT/DATA COMMUNICATIONS PROGRAM SPECIFICATIONS - PROG. NO. 5746-H13
74	**GH20-4357-0		HEALTH CARE SUPPORT/ACCOUNTING SYSTEM SPECIFICATIONS PROG. PROD. 5746-H14 FEATURE 6001 OR 6002
74	**GH20-4358-0		HEALTH CARE SUPPORT/LABORATORY INFORMATION SYSTEM REPORTING - SPECIFICATIONS PROG. PROD. 5746-H12
81	**GH20-4359-0		CUSTOMER INFORMATION CONTROL SYSTEM/DOS/V VERSION 1, MODIFICATION LEVEL 0, SPECIFICATIONS PROGRAM PRODUCT 5746-XX3
72	**GH20-4361-0		IBM SYSTEM/370 AUTOMATICALLY PROGRAMMED TOOL - BASIC CONTOURING (APT-BC) SPECIFICATIONS PROG. PROD. 5746-XN1 (DOS/V)
72	**GH20-4362-0		MACHINING & DISPLAY APPLICATION PROGRAM (MDAP) SPECIFICATIONS - PROD. 5746-XN2
81	**GH20-4364-0		PLANNING SYSTEMS GENERATOR UNDER THE OS/V TIME SHARING OPTION (PSG/TSO) PROGRAM PRODUCT 5740-XT1, SPECIFICATIONS
71	GH20-4407-0		CPO AUTOCODER TO ASSEMBLER LANGUAGE INSTRUCTION SET TRANSLATOR (CATALIST) - FUNCTIONAL DESCRIPTION PROGRAM PRODUCT 5736-XX2
63	GH20-4408-1		SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) - ALLOCATION (OS) FUNCTIONAL DESCRIPTION - PROGRAM NUMBER 5734-D32
63	GH20-4409-1		SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) FORECASTING (OS) FUNCTIONAL DESCRIPTION - PROGRAM NUMBER 5734-D33
63	GH20-4410-1		CONSUMER GOODS SYSTEM (COGS) ALLOCATION FUNCTIONAL DESCRIPTION - PROGRAM PRODUCT 5736-D31
78	GH20-4411-0		TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-T21
74	GH20-4412-0		MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2 FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-H11
76	GH20-4413-0		POWER SYSTEM PLANNING PROGRAM - FUNCTIONAL DESCRIPTION PROGRAM PRODUCT 5736-U12
67	GH20-4414-0		SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM (ACIP) FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-F32
74	GH20-4416-0		SHAS COMPATIBLE TELEPROCESSING FUNCTIONAL DESCRIPTION PROG. NO. 5736-H13
63	GH20-4418-1		THE CONSUMER GOODS SYSTEM (COGS - FORECASTING FUNCTIONAL DESCRIPTION) - PROGRAM PRODUCT - 5736-D32
82	**GH20-4424-0		PROCEDURE LIBRARY - MATHEMATICS (PL-MATH), FUNCTIONAL DESCRIPTION - PROG. PROD. 5734-XM3
79	**GH20-4425-0		SYSTEM/360 LEARN ATS-OS FUNCTIONAL DESCRIPTION PROG. PROD. 5734-XX8
79	**GH20-4426-0		SYSTEM/360 LEARN ATS-DOS, FUNCTIONAL DESCRIPTION PROG. PROD. 5736-XX3
30	**GH20-4427-0		DIRECT ACCESS TERMINAL APPLICATION (DATA/360-DOS) FUNCTIONAL DESCRIPTION - PROG. PROD. 5736-XS2
30	**GH20-4428-0		DIRECT ACCESS TERMINAL APPLICATION (DATA/360-OS) FUNCTIONAL DESCRIPTION - PROG. PROD. 5734-XS3
63	**GH20-4429-0		FASHION REPORTER, FUNCTIONAL DESCRIPTION PROG. PROD. 5736-D11
81	GH20-9001-0		CICS/V S CONVERSION PLANNING GUIDE PROG. NOS. 5740-XX1, 5746-XX3
81	SH20-9002-0	**SN20-9030	CUSTOMER INFORMATION CONTROL SYSTEM (CICS/V) SYSTEM/APPLICATION DESIGN GUIDE PROG. NO. CICS/OS/V 5740-XX1, CICS/DOS/V 5746-XX3
81	**SH20-9003-0		CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/V APPLICATION PROGRAMMER'S REFERENCE MANUAL PROG. NOS. 5740-XX1, 5746-XX3
81	**SH20-9004-0		CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/V) SYSTEM PROGRAMMER'S REFERENCE MANUAL - PROGRAM NUMBERS 5740-XX1, 5746-XX3
81	**SH20-9005-0		CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/V) TERMINAL OPERATOR'S GUIDE PROGRAM NUMBERS (5740-XX1) AND (5746-XX3)
81	**SH20-9006-0		CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/V) SYSTEM ADMINISTRATOR'S GUIDE PROG. NO.'S 5740-XX1, 5746-XX3
81	**SH20-9008-0		CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/V) MESSAGES AND CODES MANUAL PROG. NOS. 5740-XX1, 5746-XX3
81	**SH20-9011-0		CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (OS) CICS/V OPERATIONS GUIDE, PROG. NO. 5740-XX1
81	**SH20-9012-0	**SN20-9049	CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE (CICS/V) OPERATIONS GUIDE (DOS) PROG. NO. CICS/DOS/V 5746-XX3

80	**SB20-9025-0			INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS)
80	**SB20-9026-0			SYSTEM/APPLICATION DESIGN GUIDE
80	**SB20-9027-0			INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS)
80	**SB20-9028-0			APPLICATION PROGRAMMING REFERENCE MANUAL PROG. NO. 5740-XX2
80	**SB20-9029-0			INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS)
80	**SB20-9030-0			SYSTEM PROGRAMMING REFERENCE - PROG, NO. 5740-XX2
80	GH20-9033-0			INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS)
80	GH20-9034-0			OPERATOR'S REFERENCE - PROG. NO. 5740-XX2
80	**GH20-9035-1#			INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS)
80	GH20-9035-0#			UTILITIES REFERENCE MANUAL - PROG. NO. 5740-XX2
80	**GH20-9043-0			INFORMATION MANAGEMENT SYSTEM (IMS/VS) MESSAGES AND CODES
36	GH20-9500-0			REFERENCE MANUAL - PROG. NO. 5740-XX2
36	GH20-9501-0			GENERALIZED INFORMATION SYSTEM, VERSION 2 (GIS/2) EXECUTIVE
99	GJD1-0001-0			QUERY REFERENCE (BASIC INTRODUCTION), PROG. NO. 5734-XX1
99	GJD1-0010-0	GSC0-3001	**GSC0-3004	INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/VS)
99	GJD1-0015-0			CONVERSION PLANNING GUIDE - PROGRAM NUMBER 5740-XX2
99	GJD1-1010-4#	GSC0-0015	GSC0-0016	GENERALIZED INFORMATION SYSTEM VIRTUAL STORAGE (GIS/VS)
99	GJD1-1010-3#			GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5740-XX7
99	GJD1-1011-3#			GENERALIZED INFORMATION SYSTEM/VIRTUAL STORAGE (GIS/VS)
99	GJD1-1011-2#			EXECUTIVE QUERY REFERENCE MANUAL
99	GJD1-1012-4#			IBM SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM REFERENCE MANUAL
99	GJD1-1012-3#			PROGRAM NUMBER 360A-TX-032
99	GJD1-1013-4#	GSC0-0063	GSC0-0064	SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM OPERATIONS GUIDE,
99	GJD1-1013-3#			PROG. NO. 360A-TX-032
99	GJD1-1014-4#	GSC0-0106		SYSTEM/370 MODELS 158/168 SYSGEN ICR OS RELEASE 21.6
99	GJD1-1014-3#			PROGRAM NO. 360S-OS-609
99	GJD1-1015-4#	GSC0-0405		IBM 3735 MACROS AND UTILITY PROGRAMS - MICROFICHE LISTING
99	GJD1-1015-3#			PROGRAM NUMBER 360S-CQ-563
99	GJD1-1016-4#	GSC0-0505		3830 4-CHANNEL SWITCH SUPPORT (CALDROP) ICR - PROGRAM
99	GJD1-1016-3#			NUMBER 360-OS-587
99	GJD1-1017-3#	GSC0-0157		SYSTEM/360 OS PRIMARY CONTROL PROGRAMS - MICROFICHE LISTING
99	GJD1-1018-4#			PROGRAM NUMBERS 360S-CI-505/535/555/566
99	GJD1-1018-3#			OPERATING SYSTEM/360 TIME SHARING OPTION PROGRAM LISTING
99	GJD1-1019-4#			(TSO) PROGRAM NUMBER 360S-CI-555
99	GJD1-1020-4#			SYSTEM/360 OS MVT
99	GJD1-1020-3#	GSC0-0258	GSC0-0259	SYSTEM/360 OS DATA MANAGEMENT
99	GJD1-1021-3#	GSC0-0256		MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DM-508
99	GJD1-1022-3#	GSC0-2305	GSC0-2304	SYSTEM/360 OS BASIC DIRECT ACCESS METHOD
99	GJD1-1022-2#			MICROFICHE LISTING - PROGRAM NUMBER 360S-DM-509
99	GJD1-1023-4#	GSC0-2262		SYSTEM/360 OS REMOTE JOB ENTRY
99	GJD1-1023-3#	GSC0-2260		MICROFICHE LISTING - PROGRAM NUMBER 360S-RC-536
99	GJD1-1025-1			SYSTEM/360 OS BTAM
99	GJD1-1026-0#			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-CQ-513
99	GJD1-1030-0			SYSTEM/360 OS QTAM
99	GJD1-1035-4#			MICROFICHE LISTING - PROGRAM NUMBER 360S-CQ-519
99	GJD1-1035-3#			SYSTEM/360 OS OLTEP
99	GJD1-1040-2#			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-533
99	GJD1-1042-4#			OPERATING SYSTEM/360 CONVERSATIONAL REMOTE JOB ENTRY
99	GJD1-1042-3#			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-RC-551
99	GJD1-1043-4#			SYSTEM/360 OS ISAM
99	GJD1-1043-3#			MICROFICHE LISTINGS - PROG. NO. 360S-IO-526
99	GJD1-1044-2			SYSTEM/360 OS UTILITIES
99	GJD1-1045-2			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-UT-506
99	GJD1-1048-2			OPERATING SYSTEM/360 INDEPENDENT UTILITIES
99	GJD1-1050-0			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-UT-507
99	GJD1-1052-4#			OPERATING SYSTEM/360 TELEPROCESSING
99	GJD1-1054-2			COMMUNICATIONS ACCESS METHOD (TCAM)
99	GJD1-1055-4#			PROGRAM LISTING - PROGRAM NUMBER 360S-CQ-548
99	GJD1-1055-3#			SYSTEM/360 OS ALGOL COMPILER-F
99	GJD1-1058-4#			MICROFICHE LISTING - PROGRAM NUMBER 360S-AL-531
99	GJD1-1058-3#			SYSTEM/360 OS ALGOL LIBRARY
99	GJD1-1060-4#			MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-532
99	GJD1-1060-3#			SYSTEM/360 OS ASSEMBLER E 360S-AS-036
99	GJD1-1062-4#	**GSC0-2057		MICROFICHE - SOURCE LISTING
99	GJD1-1062-3#	GSC0-2055		SYSTEM/360-OS ASSEMBLER F 360S-AS-037
				SYSTEM/360 OS COBOL COMPILER-E
				MICROFICHE LISTING - PROGRAM NUMBER 360S-CO-503
				SYSTEM/360 OS ANS COBOL
				MICROFICHE LISTING - PROGRAM NUMBER 360S-CB-545
				SYSTEM/360 OS ANS COBOL LIBRARY
				MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-546
				SYSTEM/360 OS COBOL F LIBRARY
				MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-525
				SYSTEM/360 OS COBOL COMPILER-F
				MICROFICHE LISTINGS - PROGRAM NUMBER 360S-CB-524
				SYSTEM/360 OS COBOL LIBRARY
				MICROFICHE LISTING - PROGRAM NUMBER 360S-LM-504
				MICROFICHE - SOURCE LISTING
				SYSTEM/360-OS FORTRAN E IV 360S-FO-092
				SYSTEM/360 OS FORTRAN G IV
				MICROFICHE LISTING - PROGRAM NUMBER 360S-FO-520
				OPERATING SYSTEM/360 FORTRAN SYNTAX CHECKER
				MICROFICHE LISTINGS - PROGRAM NUMBER 360S-FO-550
				SYSTEM/360 OS FORTRAN H IV
				MICROFICHE LISTINGS - PROGRAM NUMBER 360S-FO-500
				SYSTEM/360 OS FORTRAN LIBRARY IV
				MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LM-501
				SYSTEM/360 OS PL/1 COMPILER F
				MICROFICHE LISTINGS - PROGRAM NUMBER 360S-NL-511
				SYSTEM/360 OS SERVICE AIDS
				MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-554

99	GJD1-1065-4#		OPERATING SYSTEM/360 PL/I SYNTAX CHECKER
	GJD1-1065-3#		MICROFICHE LISTINGS - PROGRAM NUMBER 360S-PL-552
99	GJD1-1068-4#		SYSTEM/360 OS PL/1 LIBRARY F
	GJD1-1068-3#	GSC0-1305	MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LM-512
99	GJD1-1070-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360-OS LINKAGE EDITOR E 360S-ED-510
99	GJD1-1072-4#		SYSTEM/360 OS LINKAGE EDITOR LOADER
	GJD1-1072-3#		MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LD-547
99	GJD1-1075-3#	GSC0-1456	SYSTEM/360 OS LINKAGE EDITOR F
			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-ED-521
99	GJD1-1076-4#	GSC0-1515	SYSTEM/360 OS SER0, SER1
	GJD1-1076-3#	GSC0-1507	MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-527
99	GJD1-1077-4#	GSC0-1561	SYSTEM/360 OS RECOVERY MANAGEMENT
		GSC0-1562	MICROFICHE LISTINGS - PROGRAM NUMBER 360S-DN-539
	GJD1-1077-3#	GSC0-1555	
99	GJD1-1080-3		SYSTEM/360 OS SORT MERGE
			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-SM-023
99	GJD1-1085-2		SYSTEM/360 OS TESTRAN
			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-PT-516
99	GJD1-1090-4#		SYSTEM/360 OS GRAPHIC PROGRAMMING SERVICES
			MICROFICHE LISTINGS - PROGRAM NUMBER 360S-IO-523
99	GJD1-1091-4#		SYSTEM/360 OS GRAPHIC SUB-ROUTINE PROGRAM
	GJD1-1091-3#	GSC0-1755	MICROFICHE LISTINGS - PROGRAM NUMBER 360S-LM-537
99	GJD1-1092-2		SYSTEM/360 OS SATELLITE GRAPHIC JOB PROCESS
			MICROFICHE LISTING - PROGRAM NUMBER 360S-RC-543
99	GJD1-1093-1		SYSTEM/360 OS GRAPHIC JOB PROCESS
			MICROFICHE LISTING - PROGRAM NUMBER 360S-RC-541
99	GJD1-1094-1		MICROFICHE - SOURCE LISTING
			SYSTEM/360-OS 1130/360 DATA TRANSMISSION 360S-LM-542
99	GJD1-1095-2		SYSTEM/360 OS REPORT PROGRAM GENERATOR
			PROGRAM NUMBER 360S-RG-038
99	GJD1-1096-0		MICROFICHE FOR OPERATING SYSTEM RELEASE 20.7 PROGRAMS:
			360S-CI-505 360S-CI-535 360S-CI-555 360S-CQ-548
			360S-DM-508 360S-DM-509 360S-DN-527 360S-DN-533
			360S-DN-554 360S-ED-521 360S-IO-526 360S-LD-547
			360S-LM-512 360S-NL-511 360S-UT-506 360S-UT-507
99	GJD1-1097-0		SYSTEM/360 OPERATING SYSTEM RELEASE SUPPORT DOCUMENTATION
			(MICROFICHE)
99	GJD1-1098-0		SYSTEM/360 OPERATING SYSTEM RELEASE SUPPORT DOCUMENTATION
			(MICROFICHE)
99	**GJD1-1100-0		OS21.0-21.7, VSI/1.0-3.0, VS2/1.0-1.6
			SYSTEM MODIFICATION PROGRAM LISTINGS, 360S-DN-611
99	**GJD1-1101-0		OS RELEASE 21.6/21/7 ICR POWER WARNING FEATURE
			360S-DN-614
99	GJD1-1310-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360 SIMULATOR 1410/7010 360C-SI-754
99	GJD1-1370-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360 SIMULATOR 7070/7074 360C-SI-753
99	GJD1-1380-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360 SIMULATOR 7080 360C-SI-551
99	GJD1-1390-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360 SIMULATOR 7090/7094 360C-SI-750
99	GJD1-1400-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360 EMULATOR (MODEL 40) 1401/1410 360C-EU-074
99	GJD1-1410-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360 EMULATOR (MODEL 40) 360C-EU-728
99	GJD1-1420-1		IBM 7094 EMULATOR FOR THE SYSTEM/360 MODEL 85 UNDER OS/360
			MICROFICHE LISTINGS - PROGRAM NUMBER 360C-EU-734
99	GJD1-1480-2		IBM OPERATING SYSTEM/360 DOS EMULATOR PROGRAM FOR
			SYSTEM/370 MODELS 145 AND 155 - PROGRAM NUMBER 360C-EU-738
99	GJD1-1500-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360 EMULATOR (MODEL 50) 1410/7010 360C-EU-726
99	GJD1-1510-1		MICROFICHE - SOURCE LISTING
			SYSTEM/360 EMULATOR (MODELS 50 AND 65) 7070/7074 360C-EU-725
99	GJD1-1600-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360 EMULATOR (MODEL 65) 7040/7044 360C-EU-733
99	GJD1-1620-1		MICROFICHE - SOURCE LISTING
			SYSTEM/360 EMULATOR (MODEL 65) 7080 360C-EU-727
99	GJD1-1630-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360 EMULATOR (MODEL 65) 7090/7094 360C-EU-729
99	GJD1-1640-0		OPERATING SYSTEM 370/165 OS-7094 INTEGRATED EMULATOR
			MICROFICHE LISTINGS - PROGRAM NUMBER 360C-EU-740
99	GJD1-1641-1		OS/360/370 OS/360 M16X/7074 EMULATOR LISTINGS -
			PROG. NO. 360C-EU-739
99	GJD1-1642-0		7080 EMULATOR FOR SYSTEM/370 MODEL 165 UNDER OPERATING
			SYSTEM/360 - MICROFICHE LISTING - PROGRAM NUMBER 360C-EU-737
99	GJD1-1643-0		EMULATOR FOR 7074 ON S/370 MODEL 155 UNDER OS
			MICROFICHE - PROGRAM NUMBER 360C-EU-741
99	GJD1-1700-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360 MODEL 44 BASIC PROGRAMMING SUPPORT (BPS)
			360F-UT-601
99	GJD1-1720-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360 MODEL 44 BASIC PROGRAMMING SUPPORT 360F-IO-613
99	GJD1-1740-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360 MODEL 44 1620 SIMULATOR FOR 1620 360C-SI-755
99	SJD1-1840-1		IBM 3735 DOS/V S FORMS DESCRIPTION MACROS AND UTILITIES
			PROG. NO. 5747-AZ1 - LISTINGS
99	GJD1-2000-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360 BASIC PROGRAMMING SUPPORT (BPS)
			PROGRAM NUMBERS BEGINNING WITH 360P
99	GJD1-2010-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360-BOS BASIC OPERATING SYSTEM (COMPLETE)
99	GJD1-2012-0		MICROFICHE - SOURCE LISTING
			SYSTEM/360 BOS MACRO LISTINGS, PROGRAM NUMBERS 360B-CL-302,
			360B-IO-303, 360B-IO-304, 360B-IO-305
			360B-SU-023

99	GJD1-2020-0		MICROFICHE - SOURCE LISTING
99	GJD1-2030-5		SYSTEM/360-TOS CONTROL PROGRAM (COMPLETE)
99	GJD1-2032-2#	**GSC0-4263	S/360 DISK OPERATING SYSTEM MASTER INDEX
99	GJD1-2035-1		SYSTEM/360 DISK OPERATING SYSTEM (360N) MACRO LISTINGS
			SYSTEM/360 DISK OPERATING SYSTEM
			SORT/MERGE - TAPE
99	GJD1-2036-1		MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-400
			SYSTEM/360 DISK OPERATING SYSTEM
			SORT/MERGE - DISK
99	GJD1-2037-0		MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-450
			SYSTEM/360 DISK OPERATING SYSTEM
			BASIC FORTRAN IV
99	GJD1-2038-2#		MICROFICHE LISTING - PROGRAM NUMBER 360N-FO-451
			SYSTEM/360 DISK OPERATING SYSTEM
00	GJD1-2039-2	**GSC0-4252	COBOL - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CB-452
			SYSTEM/360 DISK OPERATING SYSTEM
			SYSTEM CONTROL/IOCS
99	GJD1-2040-1	GSC0-4257	MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CL-453
			SYSTEM/360 DISK OPERATING SYSTEM
			ISFMS - MICROFICHE LISTING - PROGRAM NUMBERS 360N-IO-457,
			360N-IO-477, 360N-IO-478
99	GJD1-2042-0		MICROFICHE - SOURCE LISTING
99	GJD1-2043-1		SYSTEM/360-DOS AUTOTEST 360N-PT-459
			SYSTEM/360 DISK OPERATING SYSTEM
99	GJD1-2044-2#		RPG/DISK - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-RG-460
			SYSTEM/360 DISK OPERATING SYSTEM
99	GJD1-2045-2		UTILITY GROUP 1 - MICROFICHE LISTING - PROGRAM 360N-UT-461
			SYSTEM/360 DISK OPERATING SYSTEM
			UTILITY GROUP 2
99	GJD1-2046-1		MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-462
			SYSTEM/360 DISK OPERATING SYSTEM
			UTILITY GROUP 3
99	GJD1-2047-2#		MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-463
			SYSTEM/360 DISK OPERATING SYSTEM
99	GJD1-2048-2#	GSC0-4250	PL/I - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-PL-464
			SYSTEM/360 DISK OPERATING SYSTEM
99	GJD1-2049-2		ASSEMBLER - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-AS-465
			SYSTEM/360 DISK OPERATING SYSTEM
			ASSEMBLER F - MICROFICHE LISTINGS - PROGRAM 360N-AS-466
99	GJD1-2050-2#	GSC0-4253	SYSTEM/360 DISK OPERATING SYSTEM
			BTAM - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CQ-479
99	GJD1-2052-2#	GSC0-4254	SYSTEM/360 DISK OPERATING SYSTEM
			QTAM - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CQ-470
99	GJD1-2053-1		SYSTEM/360 DISK OPERATING SYSTEM
			MPS UTILITY MACROS
99	GJD1-2054-1		MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-471
			S/360 DISK OPERATING SYSTEM
			VOCABULARY FILE UTILITY PROGRAM - MICROFICHE LISTINGS
			PROGRAM NUMBER 360N-UT-472
99	GJD1-2055-2#	GSC0-4258	SYSTEM/360 DISK OPERATING SYSTEM
			COMPILER I/O MODULES
			MICROFICHE LISTINGS - PROGRAM NUMBER 360N-IO-476
99	GJD1-2056-2#		SYSTEM/360 DISK OPERATING SYSTEM
			FORTRAN IV MICROFICHE LISTING - PROGRAMS 360N-FO-479, LM-480
99	GJD1-2057-3	GSC0-4262	SYSTEM/360 DISK OPERATING SYSTEM RELEASE 26 OLTEP
			PROGRAM NUMBER 360N-DN-481
99	GJD1-2058-2		SYSTEM/360 DISK OPERATING SYSTEM
			SORT/MERGE DISK/TAPE
99	GJD1-2059-1		MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-483
			SYSTEM/360 DISK OPERATING SYSTEM - MICROFICHE LISTINGS -
			CE SERVICEABILITY PROGRAM
			OLTEP - PROGRAM NUMBER 360N-DN-481
99	GJD1-2060-2#		SYSTEM/360 DISK OPERATING SYSTEM
			ANS COBOL - MICROFICHE LISTING - PROGRAM NUMBER 360N-CB-482
99	**GJD1-2062-2#	**GNC7-5115	SYSTEM/360 DISK OPERATING SYSTEM
			LANGUAGE CONVERSION PROGRAM
99	GJD1-2063-1#	GSC0-4261	MICROFICHE LISTINGS - PROGRAM NUMBER 360N-CV-489
			DISK OPERATING SYSTEM MODEL 155 EMULATOR
99	**GJD1-2100-2#		MICROFICHE LISTINGS - PROGRAM NUMBER 360N-EU-490
	GJD1-2100-1#		EMULATOR FOR 1401/1440/1460 ON THE SYSTEM/370 MODEL 155
	GJD1-2150-1#		UNDER OS, MICROFICHE LISTING - PROGRAM NUMBER 360C-EU-735
			EMULATOR FOR THE IBM 1410/7010 ON THE SYSTEM/370 MODEL 155
			UNDER OS - PROG. 360C-EU-736, LISTINGS
99	GJD1-4601-1		MODEL 20 EMULATOR ON S/370 USING DOS (V4) - PROGRAM NUMBER
			370N-IC-002
35	**GJD1-4602-2#		S/370 USING DOS/V5 IBM EMULATOR FOR HW S200, LISTINGS
	GJD1-4602-1#		PROG. NO. 5799-ADT
35	**GJD1-4603-2#		S/370 USING DOS/V5 IBM EMULATOR FOR RCA 301, LISTINGS
	GJD1-4603-1#		PROG. NO. 5799-ADR
99	GJD1-4610-0#		MICROFICHE - SOURCE LISTING
			SYSTEM/360 FORTRAN IV TO PL/I LANGUAGE CONVERSION PROGRAM
			360C-CV-710
99	GJD1-4620-0#		MICROFICHE - SOURCE LISTING
			SYSTEM/360 COBOL TO PL/I LANGUAGE CONVERSION PROGRAM
			360C-CV-712
99	**GJD1-9000-5#		MICROFICHE - SOURCE LISTING
			SYSTEM/360 USA STANDARD COBOL LANGUAGE CONVERSION PROGRAM
			360C-CV-713
99	GJD1-9030-1	**GSC0-4002	MICROFICHE - SOURCE LISTING
		**GSC0-4003	SYSTEM/360-TSS (CONTROLLED RELEASE I) 360G-CL-627
99	SJD2-1220-1#		OS/VS2 VSAM LISTINGS - COMPONENT NO. 5742-SC1-DE
	SJD2-1220-0#	SNC0-9220	
99	**SJD2-1300-0		OS/VS2 RELEASE 1.6 POWER WARNING FEATURE ICR 5742-SC1-0E

99	SJD2-2050-0	SSCO-7550	SSCO-7552	OS/V51 TCAM LEVEL 2 (5744-AW1)
99	**SJD2-2121-0			OS/V51 RELEASE 3.0 POWER WARNING FEATURE ICR 5741-SC1-0E
99	SJD2-2125-0			OS/V51 TCAM LEVEL 5 OBR/SDR/EREP SUPPORT - PROGRAM NUMBER 5741-SC1-CD
99	GJD2-4001-0			DOS/360 BTAM MICROFICHE LISTING - PROGRAM NUMBER 360N-CQ-469
99	GJD2-4002-0			370 DOS BTAM, MICROFICHE LISTING, PROG. NO. 370N-CQ-469
99	**GJD2-4100-2			IBM 3705 SYSTEM SUPPORT PACKAGE FOR OS - MICROFICHE LISTING PROG. NO. 360H-TX-035
99	**GJD2-4101-2			IBM 3705 SYSTEM SUPPORT PACKAGE FOR DOS - MICROFICHE LISTING - PROGRAM NUMBER 360H-TX-036
99	**GJD2-4102-5			3705 EMULATOR UNDER OS - MICROFICHE LISTING - PROGRAM NUMBER 360H-TX-033
99	SJD2-4103-2			3705-OS/V5-ASM PROGRAM LISTING MICROFICHE INDEPENDENTLY DISTRIBUTED PROGRAM 5744-AN1
99	**SJD2-4104-5			IBM 3705 EMULATOR PROGRAM FOR VIRTUAL STORAGE - MICROFICHE PROGRAM NUMBER 360H-TX-033
99	GJD2-4105-1			IBM 3705 NETWORK CONTROL PROGRAM
35	LJD2-4106-0			3704/5 EMULATOR PRPQ P85004 SIX BIT TRANSCODE - PROGRAM NUMBER 5799-AGA
30	LJD2-4107-0			3705/4 EP PRPQ P85007 SPECIAL START-STOP - PROGRAM NUMBER 5799-AGK
99	SJD2-4108-1			3704/3705 SSP - DOS/V5 (5747-AG1)
99	GJD2-4109-0	GSCO-8016		3704/3705 NETWORK CONTROL PROGRAM PROGRAM LISTINGS NO. 5735-SC2 OS RELEASE 21
30	**GJD2-4112-0			IBM 3705 USASCII TRANSPARENCY PRPQ P85003 PRPQ 5799-AFZ
99	GJD2-4117-0			3704/3705 SSP RELEASE 1.4 (360H-TX-035)
99	GJD2-4118-0			3704/3705 NETWORK CONTROL PROGRAM 2 OS/V5 SSP NO. 5744-AN1 LISTINGS
14	GL19-0003-1			CUSTOM SYSTEM DESCRIPTION: IBM 2970 MODEL 8 BANK TERMINAL, RPQ 858230
14	GL21-9071-0	GN21-0131		IBM 2501 CARD READER, MODELS A AND B RPQ FEATURES
14	GL22-6871-3			IBM SYSTEM/360 2911 MANUAL SWITCHING UNIT MODELS 1, 2, and 5 AND 2989 REMOTE SWITCHING CONSOLE SPECIAL SYSTEMS FEATURE
14	GL22-6901-1			IBM 2937 MODELS 1, 2, AND 3, MULTIPLIER-SUMMATION PROCESSOR, SPECIAL SYSTEM FEATURE, RPQ 880626
14	GL22-6902-0			IBM SYSTEM/360 MODEL 40 SUM OF PRODUCTS INSTRUCTION - RPQ W12561 SPECIAL SYSTEMS FEATURE
14	GL22-6903-0			IBM SYSTEM/360 MODEL 40, HALFWORD TRANSLATE INSTRUCTION - RPQ W13462 SPECIAL SYSTEMS FEATURE
14	GL22-6904-0			IBM SYSTEM/360 MODEL 40, TABLE ADDRESS CHAINING - RPQ W13518 SPECIAL SYSTEMS FEATURE
15	GL22-6928-0	GN22-0353		IBM AIRLINES RESERVATION SYSTEM, REMOTE EQUIPMENT INSTALLATION MANUAL - PHYSICAL PLANNING
15	GL22-6936-1			IBM 2914 SWITCHING UNIT MODEL 1, RPQ 880882, CUSTOM FEATURE: INSTALLATION MANUAL - PHYSICAL PLANNING
14	GL22-6937-1#			IBM SYSTEM/360 CUSTOM FEATURE DESCRIPTION 2914 SWITCHING UNIT MODEL 1 - RPQ 880882
14	GL22-6940-1	**GN22-0484		IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1--RPQ888117
15	GL22-6945-1			IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1, RPQ 888117 - INSTALLATION MANUAL - PHYSICAL PLANNING
14	GL22-6960-0	GN22-0374		IBM RESERVATION SYSTEM CUSTOM FEATURE DESCRIPTION
14	GL22-6979-1	GN22-0445		IBM 2947 MODEL 4 CHECK COLLECTION CONTROLLER (RPQ 888264) FUNCTIONAL CHARACTERISTICS - REFERENCE MANUAL
15	GL22-6982-0			IBM 2947 CHECK COLLECTION CONTROLLER MODEL 4 (RPQ 888264) INSTALLATION MANUAL PHYSICAL PLANNING
14	GL22-7015-0			IBM 7441-1/1980-9 CUSTOM TERMINAL FUNCTIONAL CHARACTERISTICS OPERATING PROCEDURES AND PHYSICAL PLANNING
14	GL22-7025-0			2914 STORAGE CONTROL INTERFACE SWITCH MODEL 2 (RPQ 8P0290) PRODUCT DESCRIPTION AND PHYSICAL PLANNING
14	GL24-3570-0	GN24-0477		IBM 2946 TERMINAL CONTROL SUBSYSTEM COMPONENT DESCRIPTION AND OPERATING GUIDE
15	GL24-3571-3			IBM 2946 TERMINAL CONTROL SUBSYSTEM INSTALLATION MANUAL PHYSICAL PLANNING
14	GL24-3591-1	GN24-0516		IBM 2927 TAPE-TO-PRINTER UNIT RPQ 812390 & 812391 COMPONENT DESCRIPTION
15	GL24-3592-1			IBM 2927 TAPE-TO-PRINTER UNIT, RPQ 812390 AND 812391: INSTALLATION MANUAL - PHYSICAL PLANNING
15	GL24-3596-3			IBM 2922 PROGRAMMABLE TERMINAL RPQ'S 810563, 810564, 810565 INSTALLATION MANUAL--PHYSICAL PLANNING
14	GL24-3597-1#			IBM 2922 PROGRAMMABLE TERMINAL (RPQ 810563, 810564 AND 810565) COMPONENT DESCRIPTION AND OPERATING PROCEDURES
14	GL27-3009-1			2905 REMOTE MULTIPLEXER COMPONENT DESCRIPTION
15	GL27-3010-0			IBM SYSTEM/360 CUSTOM SYSTEMS UNIT, 2905 REMOTE MULTIPLEXER, 2906 TRANSMISSION CONTROL, INSTALLATION MANUAL - PHYSICAL PLANNING
14	**GL27-3020-3			IBM 2972 MODELS 8 AND 11 GENERAL BANKING TERMINAL SYSTEM COMPONENT DESCRIPTION
14	GL27-3022-1			CUSTOM SYSTEM DESCRIPTION: IBM 2740-1/2950-2 BATCH BUFFER TERMINAL SYSTEMS REFERENCE
15	GL27-3025-1			IBM 2740-1/2950-2 BATCH BUFFER TERMINAL INSTALLATION MANUAL - PHYSICAL PLANNING
39	GQ27-6939-8			IBM SYSTEM/360 OPERATING SYSTEM RELEASE 20 MFT GUIDE A FIXED NUMBER OF TASKS (MFT) PROGRAM NUMBER 360S-CI-505
34	GQ28-6551-12	GN28-2455		OS STORAGE ESTIMATES (PRIOR RELEASE)
34	GQ28-6554-11	GN26-0637		OS/360 SYSTEM GENERATION
36	GQ28-6628-6	GN28-2464		OS SYSTEM CONTROL BLOCKS (PRIOR EDITION)
39	GQ28-6631-10	GN28-2461		OS MESSAGES AND CODES (PRIOR EDITION)
36	GQ28-6646-4	GN27-1350		OS SUPERVISOR SERVICES AND MACRO INSTRUCTIONS (PRIOR EDITION)
36	**GQ28-6647-5			IBM SYSTEM/360 OPERATING SYSTEM SUPERVISOR SERVICES OS/MFT & OS/MVT RELEASE 20.1, 20.0

37	GQ28-6650-4			ON-LINE TEST EXECUTIVE PROGRAM
				ON-LINE TEST EXECUTIVE PROGRAM SYSTEMS REFERENCE
				LIBRARY MANUAL - PROGRAM NUMBER 360S-DN-533
30	GQ28-6680-4			OS/360 TAPE LABELS
36	GQ28-6703-1			IBM SYSTEM/360 OPERATING SYSTEM RELEASE 20
				OS/MFT & OS/MVT RELEASE 20.0
34	GQ28-6720-2	GN28-2460		OS MVT GUIDE (PRIOR EDITION)
36	GQ68-6660-6			OS MVT JOB MANAGEMENT - PLM (PRIOR EDITION)
40	SR20-1078-4			SYSTEM/360 - 370 OPERATOR'S REFERENCE GUIDE
85	**SR20-4193-0			TSO COMMAND LANGUAGE FOR APPLICATION PROGRAMMERS - A PRIMER
				SELF-STUDY TEXT
85	**SR20-4194-0#			TSO COMMAND LANGUAGE FOR ADMINISTRATIVE APPLICATIONS
	SR20-4194-0#			A PRIMER
85	GR20-4260-1			INTRODUCTION TO VIRTUAL STORAGE IN SYSTEM/370 STUDENT TEXT
85	**SR20-4438-0			CMS FOR PROGRAMMING - A PRIMER (STUDENT TEXT)
30	GT00-0001-0	GN21-5124	GN21-5154	OS IBM 1285, 1287 AND 1288 OPTICAL READER DATA MANAGEMENT
				MACROS AND SERVICES (PRIOR EDITION)
30	GT00-0002-0	GN26-0631	GN26-0624	OS DATA MANAGEMENT SERVICES (PRIOR EDITION)
				PROG NOS. 360S-AS-036, -037, 360S-DM-508, -509, 360S-IO-526
21	GT00-0003-0	GN33-8100		OS ASSEMBLER (F) PROGRAMMER'S GUIDE
				PROGRAM NUMBER 360S-AS-037 (PRIOR EDITION)
30	GT00-0004-0			OS GRAPHIC PROGRAMMING SERVICES FOR THE IBM 2260 DISPLAY
				STATION - PROGRAM NUMBER 360S-IO-523 (PRIOR EDITION)
34	GT00-0005-0			OS MFT GUIDE - PROGRAM NUMBER 360S-CI-505 (PRIOR EDITION)
21	GT00-0006-0			OS ASSEMBLER LANGUAGE - PROGRAM NUMBERS 360S-AS-036
				360S-AS-037 (PRIOR EDITION)
31	GT00-0007-0	GN28-0435	GN28-0474	OS LINKAGE EDITOR AND LOADER PROGRAM NUMBERS 360S-ED-521,
		GN28-0272	GN28-0423	360S-ED-510 AND 360S-LD-547 (PRIOR EDITION)
33	GT00-0008-0	GN33-8096		OS SORT/MERGE - PROGRAM NUMBER 360S-SM-023 (PRIOR EDITION)
36	GT00-0009-0	GN28-2494		OS DATA MANAGEMENT FOR SYSTEM PROGRAMMER'S GUIDE
				PROGRAM NUMBER 360S-CI-555 (PRIOR EDITION)
34	GT00-0010-0	GN28-2495	GN28-2499	OS STORAGE ESTIMATE (PRIOR RELEASE)
34	GT00-0011-0	GN26-0634	GN26-0635	OS SYSTEM GENERATION (PRIOR RELEASE)
		GN26-0627	GN26-0629	
31	GT00-0012-0	GN35-0001	GN35-0003	OS UTILITIES - PROGRAM NUMBERS 360S-UT-506, 360S-UT-507
				(PRIOR EDITION)
26	GT00-0013-0			OS ALGOL LANGUAGE
36	GT00-0014-0			OS SYSTEM CONTROL BLOCKS (PRIOR EDITION)
39	GT00-0015-0	GN28-2501		OS MESSAGES AND CODES (PRIOR EDITION)
36	GT00-0016-0			OS SUPERVISOR SERVICES AND MACRO INSTRUCTIONS
				(PRIOR EDITION)
37	GT00-0017-0			OS ON-LINE TEXT EXECUTIVE PROGRAM (PRIOR EDITION)
36	GT00-0018-0	GN28-2457	GN28-2472	OS PROGRAMMER'S GUIDE TO DEBUGGING (PRIOR EDITION)
30	GT00-0019-0	GN26-0625		OS TAPE LABELS (PRIOR EDITION)
39	GT00-0020-0	GN28-2463	GN28-2473	OS SYSTEM/360 OPERATING SYSTEM OPERATOR'S REFERENCE MANUAL
		GN28-2500		(PRIOR EDITION)
39	GT00-0021-0	GN28-2502	GN28-2497	OS TSO GUIDE
				PROG. NOS. 360S-CI-505, -535, -555
36	GT00-0022-0			OS JOB CONTROL LANGUAGE REFERENCE MANUAL (PRIOR EDITION)
36	GT00-0023-0	GN26-0620	GN26-0623	OS ADVANCED CHECKPOINT/RESTART (PRIOR EDITION)
34	GT00-0024-0	GN35-0002		OS SYSTEMS MANAGEMENT FACILITIES (PRIOR EDITION)
37	GT00-0025-1	GN28-2478		OS SERVICE AIDS (PRIOR EDITION)
34	GT00-0026-0			OS MVT GUIDE (PRIOR EDITION)
34	GT00-0027-0	GN28-2514	GN28-2516	OS RELEASE GUIDE (PRIOR EDITION)
		GN28-2498	GN28-2496	
39	GT00-0028-0	GN28-2480	GN28-2503	OS TSO COMMAND LANGUAGE REFERENCE (PRIOR EDITION)
37	GT00-0029-0			OS RDE GUIDE (PRIOR EDITION)
39	GT00-0030-0	GN28-2483		OS TSO TERMINAL USER'S GUIDE (PRIOR EDITION)
39	GT00-0031-0	GN28-2484		OS TSO GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR A
				COMMAND PROCESSOR (PRIOR EDITION)
38	GT00-0032-0	GN30-2547	GN30-2555	OS REMOTE JOB ENTRY (PRIOR EDITION)
		GN30-2543		
38	GT00-0033-0			OS CONVERSATIONAL RJE CONCEPTS AND FACILITIES
				(PRIOR EDITION)
38	GT00-0034-0	GN30-2549		OS CONVERSATIONAL RJE TERMINAL USER'S GUIDE (PRIOR EDITION)
38	GT00-0035-0	GN30-2548		OS CONVERSATIONAL RJE SYSTEM PROGRAMMER'S GUIDE
				(PRIOR EDITION)
30	GT00-0036-0			OS TCAM PROGRAMMER'S GUIDE AND REFERENCE MANUAL - PROGRAM
				NUMBER 360S-CQ-548
26	GT00-0037-0	GN33-8091		OS ALGOL PROGRAMMER'S GUIDE (PRIOR EDITION)
37	GT00-0038-2			IBM OPERATING SYSTEM/360 REFERENCE CARD: SERVICE AIDS
30	GT00-0039-0	GN21-5123	GN21-5136	OS IBM 1285, 1287, 1288 OPTICAL READERS - PLM
		GN21-5155		(PRIOR EDITION)
30	GT00-0040-0			OS GRAPHICS ACCESS METHOD - PLM (PRIOR EDITION)
36	GT00-0041-0	GN28-2468		OS JOB MANAGEMENT WITH MFT-PLM (PRIOR EDITION)
37	GT00-0042-0			OS MACHINE CHECK HANDLER FOR S/370 MODEL 155, 165-PLM
				(PRIOR EDITION)
39	GT00-0043-0			OS TSO CONTROL PROGRAM - PLM (PRIOR EDITION)
36	GT00-0044-0	GN27-1349	GN27-1364	OS MFT SUPERVISOR - PLM (PRIOR EDITION)
37	GT00-0045-0			OS MACHINE CHECK HANDLER FOR S/370 MODELS 135, AND 145
				PLM (PRIOR EDITION)
24	GT00-0046-0	GN28-0416	GN28-0400	OS AMERICAN NATIONAL STANDARD COBOL - PLM (PRIOR EDITION)
33	GT00-0047-0	GY33-8030		OS SORT/MERGE - PLM (PRIOR EDITION)
30	GT00-0048-0			OS SEQUENTIAL ACCESS METHOD - PLM (PRIOR EDITION)
30	GT00-0049-0	GN26-8006	GY35-0002	OS CATALOG MANAGEMENT - PLM (PRIOR EDITION)
		GY35-0007		
30	GT00-0050-0			OS DIRECT ACCESS DEVICE SPACE MANAGEMENT - PLM
				(PRIOR EDITION)
30	GT00-0051-0	GN26-8015		OS/360 OPEN/CLOSE/EOV LOGIC - PROGRAM NUMBER 360S-DM-508
31	GT00-0052-0	GY35-0001		OS UTILITIES - PLM (PRIOR EDITION)
30	GT00-0053-0			OS INPUT/OUTPUT SUPERVISOR - PLM (PRIOR EDITION)
30	GT00-0054-0			OS BASIC DIRECT ACCESS METHOD - PLM (PRIOR EDITION)

30	GT00-0055-0			OS ISAM LOGIC (PRIOR EDITION) PROG. NO. 360S-IO-526
37	GT00-0056-0			OS ON-LINE TEST EXECUTIVE PROGRAM - PLM (PRIOR EDITION)
36	GT00-0057-0	GN27-1354	GN27-1363	OS MVT SUPERVISOR - PLM (PRIOR EDITION)
36	GT00-0058-0			OS MVT JOB MANAGEMENT - PLM (PRIOR EDITION)
36	GT00-0059-0	GN27-1344	GN27-1353	OS INITIAL PROGRAM LOADER AND INITIALIZATION PROGRAM - PLM (PRIOR EDITION)
31	GT00-0060-0	GN28-0434		OS LINKAGE EDITOR (F) - PLM (PRIOR EDITION)
39	GT00-0061-0			OS TSO TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES - PLM (PRIOR EDITION)
38	GT00-0062-0	GY30-2550	GY30-2553	OS CONVERSATIONAL RJE - PLM (PRIOR EDITION)
39	GT00-0063-0	GN28-2485		OS TSO COMMAND PROCESSOR VOL. 3 - PLM (PRIOR EDITION)
39	GT00-0064-0	GN27-1356	GN27-1362	OS OPERATOR'S GUIDE FOR DISPLAY CONSOLES
30	GT00-0065-0	GY30-2566		OS TCAM PLM - PROGRAM NUMBER 360S-CQ-548
32	GT00-0066-0			OS/360 UTILITIES (PCP ONLY) - PROGRAM NUMBERS 360S-UT-506 AND 360S-UT-507
24	GT00-0067-0	GN28-0437	GN28-0473	ANS COBOL PROGRAMMER'S GUIDE - PROGRAM NUMBERS 360S-CB-545 AND 360S-LM-546
30	GT00-0069-0	GN28-0408	GN28-0422	
30	GT00-0070-0	GY30-2552	GY30-2564	OS BTAM PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-OS-601
		GN30-2573		OS TCAM PROGRAMMER'S GUIDE AND REFERENCE MANUAL - PROGRAM NUMBER 360S-CQ-548
34	GT00-0071-0	GN28-2530	GN28-2532	OS/360 RELEASE 21 GUIDE
39	GT00-0073-0	GN28-2523		OS/360 TSO GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR A COMMAND PROCESSOR
39	GT00-0074-0	GN28-2524		OS/360 TSO TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES LOGIC - PROGRAM NUMBER 360S-CI-555
30	GT00-0076-0	GN30-2561		OS TCAM CONCEPTS AND FACILITIES - PROGRAM NUMBER 360S-CQ-548
36	GT00-0077-0			OS/360 JOB CONTROL LANGUAGE USERS GUIDE
39	GT00-0111-0			OS/360 TSO GUIDE
39	GT00-0112-0			OS/360 TSO COMMAND LANGUAGE REFERENCE
34	GT00-0113-0			OS/360 STORAGE ESTIMATES
36	GT00-0114-0			OS/360 SYSTEM CONTROL BLOCKS
36	GT00-0115-0			OS/360 JOB CONTROL LANGUAGE REFERENCE
40	GT00-0116-0			PROG. NOS. 360S-CI-505, -535, -555
30	GT00-0117-0	GN26-0750		OS/360 MESSAGES AND CODES
37	GT00-0119-0			OS/360 DATA MANAGEMENT FOR SYSTEM PROGRAMMERS
36	GT00-0120-0	GN27-1378		OS/360 MACHINE CHECK HANDLER FOR S/370 MODEL 155, 165 PLM
36	GT00-0121-0	GN27-1379		OS/360 MFT SUPERVISOR PLM
34	GT00-0122-0			OS/360 MVT SUPERVISOR PLM
32	GT00-0123-0			OS/360 RELEASE 21.6 GUIDE
34	GT00-0125-0	GN28-2517	GN28-2533	OS/360 UTILITIES
39	**GT00-0136-0			IBM SYSTEM/360 OPERATING SYSTEM: STORAGE ESTIMATES OS/MFT & OS/MVT RELEASE 20.1
30	**GT00-0139-0	GN30-2579		OS/VS2 TSO COMMAND LANGUAGE REFERENCE SUMMARY OS/VS2 RELEASE 1.0,1.6
37	GT24-5086-2	GN28-2535		OS/MFT - OS/MVT TCAM PROGRAMMER'S GUIDE
21	GT26-3756-4	GN33-8075		PROG. NO. 360S-CQ-548 - RELEASE 21.0, 21.6
34	GT28-0600-1			DOS OLTEP RELEASE 26 - PROG. NO. 360N-DN-481
24	GT28-6396-2	GN28-0439	GN28-0428	OS ASSEMBLER (F) PROGRAMMER'S GUIDE
00	GT28-6514-6	GN28-0478		PROGRAM NUMBER 360S-AS-037 (PRIOR EDITION)
		GN33-8072		OS/VS2 PLANNING AND USE GUIDE
20	GT28-6534-2	GN28-2458	GN28-2450	IBM SYSTEM/360 OPERATING SYSTEM USA STANDARD COBOL
20	GT28-6535-7	GN28-2436		LANGUAGE PROGRAM NUMBERS 360S-AS-037, 360S-AS-036
33	GT28-6543-5	GN33-8070	GN33-8054	BACK LEVEL
36	GT28-6550-8	GN28-2437	GN28-2452	IBM SYSTEM/360 OPERATING SYSTEM INTRODUCTION (BACK LEVEL)
34	GT28-6551-11	GN28-2456		IBM SYSTEM/360 OPERATING SYSTEM CONCEPTS AND FACILITIES
34	GT28-6554-9	GN28-2438	GN26-0613	MANUAL - BACK LEVEL
32	GT28-6586-11	GN28-2439		IBM SYSTEM/360 OPERATING SYSTEM SORT/MERGE
36	GT28-6628-5	GN28-2429	GN28-2440	PROGRAM NUMBER 360S-SM-023 BACK LEVEL
39	GT28-6631-9			OS DATA MANAGEMENT FOR SYSTEM PROGRAMMER'S GUIDE PROGRAM NUMBER 360S-CI-555 (PRIOR EDITION)
20	GT28-6644-5			OS STORAGE ESTIMATE (PRIOR RELEASE)
36	GT28-6646-3			OS SYSTEM GENERATION (PRIOR RELEASE)
36	GT28-6647-4			OS UTILITIES PROGRAM NUMBERS 360S-UT-506, 360S-UT-507 (PRIOR EDITION)
37	GT28-6650-3			OS SYSTEM CONTROL BLOCKS (PRIOR EDITION)
36	GT28-6670-3#			OS MESSAGES AND CODES (PRIOR EDITION)
30	GT28-6680-2			IBM SYSTEM/360 OPERATING SYSTEM MASTER INDEX
39	GT28-6691-1	GN28-2433	GN28-2444	OS SUPERVISOR SERVICES AND MACRO INSTRUCTIONS (PRIOR EDITION)
39	GT28-6698-2			IBM SYSTEM/360 OPERATING SYSTEM SUPERVISOR AND DATA MANAGEMENT MACRO INSTRUCTIONS
36	GT28-6703-0			IBM SYSTEM/360 OPERATING SYSTEM ONLINE TEST EXECUTIVE PROGRAM - PROGRAM NUMBER 360S-DN-533 BACK LEVEL
36	GT28-6704-0	GN28-2451		OS PROGRAMMER'S GUIDE TO DEBUGGING (PRIOR EDITION)
34	GT28-6712-6			OS TAPE LABELS (PRIOR EDITION)
37	GT28-6719-0			OS SYSTEM/360 OPERATING SYSTEM OPERATOR'S REFERENCE MANUAL (PRIOR EDITION)
34	GT28-6730-0	GN28-2465		OS TSO GUIDE (PRIOR EDITION)
37	GT28-6747-2			IBM SYSTEM/360 OPERATING SYSTEM JOB CONTROL LANGUAGE
39	GT28-6762-0	GN28-2487		OS JOB CONTROL LANGUAGE REFERENCE MANUAL (PRIOR EDITION)
32	GT28-6768-1			PROG. NOS. 360S-CI-505, -535, -555
29	GT28-6825-1			OS/360 SYSTEM MANAGEMENT FACILITIES
				OS SERVICE AIDS (PRIOR EDITION)
				OS RELEASE GUIDE (PRIOR EDITION)
				OS/360 RELIABILITY DATA EXTRACTOR USER'S GUIDE
				OS/MVT AND OS/VS2 TSO TERMINALS MANUAL
				OS TIME SHARING OPTION DATA UTILITIES: COPY FORMAT LIST
				MERGE PROGRAM PRODUCT SPECIFICATIONS - PROG. NO. 5734-UT1
				IBM SYSTEM/360 OPERATING SYSTEM, DISK OPERATING SYSTEM
				INTERACTIVE TERMINAL FACILITY: PLI AND BASIC
				GENERAL INFORMATION - PROGRAM NUMBERS 5736-RC1, 5736-RC2



30	GT30-2004-6			OS/360 BTAM
30	GT30-2005-2	GN30-2526		IBM SYSTEM/360 OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD MESSAGE CONTROL PROGRAM - SYSTEMS REFERENCE LIBRARY - PROGRAM NUMBER 360S-CQ-519
30	GT30-2024-0	GN30-2558		IBM SYSTEM/360 OPERATING SYSTEM TELECOMMUNICATIONS ACCESS METHOD PROGRAMMER'S GUIDE AND REFERENCE MANUAL PROGRAM NUMBER 360S-CQ-548
36	GT60-0305-2			SYSTEM/360 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-15X
21	GT66-3700-1	GY33-8028		IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER F PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-AS-037
37	GT67-7184-0	GN27-1332		IBM SYSTEM/360 OPERATING SYSTEM MACHINE CHECK HANDLER FOR IBM SYSTEM/360 MODEL 85
30	GT68-6604-3	GN26-8009		PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-DN-539
30	GT68-6607-6	GN26-8012		OS SEQUENTIAL ACCESS METHOD - PLM (PRIOR EDITION) DIRECT ACCESS DEVICE SPACE MANAGEMENT PLM
30	GT68-6609-4			OS/MFT & OS/MVT RELEASE 19,20.0 S/360 INPUT/OUTPUT SUPPORT OPEN/CLOSE/EOV PLM
31	GT68-6614-6#	GY35-0006		OS/MFT OS/MVT RELEASE 19
30	GT68-6616-7	GN26-8013		OS UTILITIES - PLM (PRIOR EDITION) INPUT/OUTPUT SUPERVISOR PLM
30	GT68-6617-4	GN26-8007		OS/MFT & OS/MVT RELEASE 19,20.0
30	GT68-6618-3	GN26-8001		OS BASIC DIRECT ACCESS METHOD - PLM (PRIOR EDITION) INDEXED SEQUENTIAL ACCESS METHODS PLM
34	GT68-6651-2			OS/MFT & OS/MVT RELEASE 19,20.0 STORAGE ESTIMATES PLM
36	GT68-6661-3			OS/MFT & OS/MVT RELEASE 19 OS INITIAL PROGRAM LOAD AND NUCLEUS INITIALIZATION PROGRAM LOGIC (PRIOR EDITION) PROG. NO. 360S-CI-535
31	GT68-6667-0	GY28-6404	GY28-6401	OS LINKAGE EDITOR (F) - PLM (PRIOR EDITION)
			GN28-0481	
31	GT68-6714-0	GY28-2401	GY28-6405	LOADER PLM
				OS/MFT & OS/MVT RELEASE 19
20	GT68-6717-2	GN28-2447		OS/360 MASTER INDEX PROGRAM LOGIC MANUAL
25	GT68-6831-0			FORTRAN IV SYNTAX CHECKER PLM
14	**GX09-1000-0			OS/MFT & OS/MVT RELEASE 19, 20.0
15	GX10-0037-0*			IBM 129-3270 OPERATOR'S REFERENCE SUMMARY
89	GX20-1702-1#			IBM WTC 3600 FINANCE COMMUNICATION SYSTEM PHYSICAL PLANNING TEMPLATE
01	GX20-1703-9#			PROPORTIONAL RECORD LAYOUT FORM
07	GX20-1705-2			IBM SYSTEM/360 REFERENCE DATA CARD
07	GX20-1710-2			IBM 2311 DISK CELL DRIVE REFERENCE CARD
89	GX20-1711-1#			IBM 2314 DIRECT ACCESS STORAGE FACILITY CAPACITY AND TRANSMISSION TIME REFERENCE CARD
67	GX20-1736-0			IBM SYSTEM/360 RECORD LAYOUT WORKSHEET
31	GX20-1739-4			OPTIMUM BOND BIDDING WORKSHEET PROGRAM NUMBER 360A-FI-06X
04	GX20-1741-3			OPERATING SYSTEM/360 REFERENCE CARD: LINKAGE EDITOR AND LOADER
29	GX20-1749-2			IBM 1287 OPTICAL READER DOCUMENT TRACING GUIDE
89	GX20-1751-0			IBM SYSTEM/360 DOS/TOS REFERENCE CARD PL/I
04	GX20-1759-3#			IBM 2260 DISPLAY FORMAT
89	GX20-1761-0			IBM 1287 OPTICAL READER DESIGN FORMATS MATHEMATICAL PROGRAMMING INPUT FORM
36	GX20-1771-2#			SYSTEM/360 - 1130
64	GX20-1780-1			IBM SYSTEM/360 REFERENCE DATA DOS JOB CONTROL LANGUAGE OPERATOR COMMUNICATION REFERENCE CARD
64	GX20-1781-0			COURSEWRITER III SYSTEM STUDENT/MONITOR REFERENCE CARD PROGRAM NUMBERS 5734-E12 360A-UX-01X
64	GX20-1782-1			IBM AUTHOR'S COURSEWRITER III REFERENCE CARD PROGRAM NUMBERS 360A-UX-01X, 5734-E12
01	GX20-1787-0			IBM SUPERVISOR'S COURSEWRITER III REFERENCE CARD PROGRAM NUMBERS 5734-E12, 360A-UX-01X
74	GX20-1788-0			DEBUGGING AID
74	GX20-1789-0			DIRECT EVALUATION OF FLOATING POINT NUMBERS IN HEXADECIMAL CHARGE DESCRIPTION MASTER WORKSHEET
74	GX20-1790-0			PROGRAM NUMBERS 5736-H13, 360A-UH-11X
74	GX20-1807-1			DOCTOR MASTER FILE - WORKSHEET PROGRAM NUMBERS 360A-UH-11X, 5736-H13
74	GX20-1808-1			ROOM AND BED MASTER
74	GX20-1809-1			PROG. NOS. 5736-H13, 360A-UH-11X
29	GX20-1810-3			SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET PROGRAM NUMBER 5736-H12
23	GX20-1811-3			SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET PROGRAM NUMBER 5736-H12
25	GX20-1812-3			SHARED LABORATORY INFORMATION SYSTEM CLM CODING SHEET PROGRAM NUMBER 5736-H12
38	GX20-1817-1#			CALL-OS PL/I REFERENCE CARD - PROG. NO. 360A-CX-45X
36	GX20-1827-1			CALL/360-OS BASIC REFERENCE CARD - PROG. NO. 360A-CX-44X
83	GX20-1828-0			CALL/360-OS FORTRAN REFERENCE CARD - PROG. NO. 360A-CX-46X
83	GX20-1829-1			SYSTEM/360/370 DOS POWER II/RJE VERSION 4 REFERENCE SUMMARY, PROG. NO. 360D-05.2.006
40	GX20-1830-0			SYSTEM/360/370 ASP REFERENCE CARD, PROGRAM NUMBER 360A-CX-15X
64	GX20-1832-1			GENERAL PURPOSE SIMULATION SYSTEM V REFERENCE SUMMARY: BLOCK STATEMENT FORMATS, PROG. NOS. 5734-XS2(OS) AND 5736-XS3(DOS)
				GENERAL PURPOSE SIMULATION SYSTEM V REFERENCE SUMMARY: CONTROL STATEMENT FORMATS, STANDARD NUMERICAL ATTRIBUTES, AND SYSTEM OPTIONS - PROG. NOS. 5734-XS2(OS) AND 5736-XS3(DOS)
				CALL-OS TERMINAL COMMAND LANGUAGE - REFERENCE CARD PROGRAM NUMBER 360A-CX-42X
				COURSEWRITER III VERSION 3 MONITOR REFERENCE CARD PROGRAM NUMBERS 5736-E11 (DOS) 5734-E13 (OS)

64	GX20-1833-1	COURSEWRITER III VERSION 3 AUTHOR'S REFERENCE CARD PROGRAM NUMBERS 5736-E11 (DOS) 5734-E13 (OS)
64	GX20-1834-1	COURSEWRITER III, VERSION 3 STUDENT REFERENCE CARD OPERATING HINTS - PROGRAM NUMBER 5736-E11 (DOS) 5734-E13 (OS)
64	GX20-1835-0	COURSEWRITER III, VERSION 3 SUPERVISOR'S REFERENCE CARD PROGRAM NUMBERS 5736-E11 (DOS) 5734-E13 (OS)
01	**GX20-1850-2	SYSTEM/370 REFERENCE SUMMARY CARD
09	**GX20-1878-1#	IBM 3270 INFORMATION DISPLAY SYSTEM REFERENCE SUMMARY
	GX20-1878-0#	
79	GX20-1879-0	INTERACTIVE TRAINING SYSTEM TEST QUESTION WORKSHEET FORM 6 PAD - PROGRAM NUMBER 5734-XXC
79	GX20-1880-0	INTERACTIVE TRAINING SYSTEM TEXT WORKSHEET FORM 5 PAD PROGRAM NUMBER 5734-XXC
79	GX20-1881-0	INTERACTIVE TRAINING SYSTEM MATCHING QUESTION WORKSHEET FORM 4 - PAD - PROGRAM NUMBER 5734-XXC
79	GX20-1882-0	INTERACTIVE TRAINING SYSTEM MULTIPLE ANSWER FORM 3 - PAD
79	GX20-1883-0	INTERACTIVE TRAINING SYSTEM TRUE - FALSE WORKSHEET FORM 2 PAD - PROGRAM NUMBER 5734-XXC
79	GX20-1884-0	INTERACTIVE TRAINING SYSTEM QUESTION WORKSHEET FORM 1 - PAD PROGRAM NUMBER 5734-XXC
79	GX20-1885-0	INTERACTIVE TRAINING SYSTEM SESSION INTRODUCTION WORKSHEET
07	GX20-1920-1	3330 SERIES DISK STORAGE, 3333 MODELS 1 AND 11, 3330 MODELS 1, 2, AND 11 REFERENCE SUMMARY
30	GX20-1925-0	3270 FORMAT MACRO FOR OUTPUT DATA STREAMS FDP NUMBER 5798-AKL
36	GX20-1927-1	ASP VERSION 3 ASYMMETRIC MULTIPROCESSING SYSTEM: OPERATORS REFERENCE BOOKLET - PROG. NO. 360A-CX-15X PROGRAM NUMBER 360A-CX-15X
79	GX20-1942-0	INTERACTIVE TRAINING SYSTEM FRAMEWORK - WORKSHEET
79	GX20-1943-0	INTERACTIVE TRAINING SYSTEM COMMON MESSAGE TO GO TO WORKSHEET
79	GX20-1944-0	INTERACTIVE TRAINING SYSTEM GLOSSARY DEFINITION WORKSHEET
79	GX20-1945-0	INTERACTIVE TRAINING SYSTEM TEXT DISPLAY WORKSHEET
79	GX20-1946-0	INTERACTIVE TRAINING SYSTEM QUESTION WORKSHEET
79	GX20-1947-0	INTERACTIVE TRAINING SYSTEM MATCHING QUESTION WORKSHEET
79	GX20-1948-0	INTERACTIVE TRAINING SYSTEM TRUE-FALSE QUESTION WORKSHEET
79	GX20-1949-0	INTERACTIVE TRAINING SYSTEM FIELD ANALYSIS WORKSHEET
79	GX20-1950-0	INTERACTIVE TRAINING SYSTEM SCREEN SUMMARY WORKSHEET
79	GX20-1959-0	DATA EDITING AND FORMATTING AIDS FDP 5798-AKS REFERENCE FOLDER
89	GX20-8020-1	FLOWCHARTING TEMPLATE
89	**GX21-9011-0	IBM 1062 PROGRAM TAPE LAYOUT SHEET
89	**GX21-9017-0	IBM 1062 TERMINAL RECORD TAPE, DOCUMENT FEED, PRINTER PLANNING CHART
15	**GX21-9030-0	IBM PHYSICAL PLANNING TEMPLATE, 1030 DATA COLLECTION SYSTEM
89	GX21-9090-2	RPG OUTPUT-FORMAT SPECIFICATIONS (FORM)
89	GX21-9091-2	RPG EXTENSIONS AND LINE COUNTER SPECIFICATIONS SHEET
89	GX21-9092-3	RPG CONTROL CARD AND FILE DESCRIPTION SPECIFICATIONS FORM
89	GX21-9093-2	RPG CALCULATION SPECIFICATIONS SHEET
89	GX21-9094-2	RPG INPUT SPECIFICATIONS FORM
04	GX21-9106-0	IBM 1288 DOCUMENT GAUGE FOR MACHINE SETUP
89	GX21-9129-3#	RPG DEBUGGING TEMPLATE
	GX21-9129-2#	
15	**GX21-9155-0	IBM 3740 DATA ENTRY SYSTEM PHYSICAL PLANNING TEMPLATE
09	**GX21-9171-1	IBM 3747 DATA CONVERTER REFERENCE CARD
09	**GX21-9172-1	IBM 3741/3742 REFERENCE CARD
89	**GX21-9185-0	IBM 3747 DATA CONVERTER RUN SHEET
89	**GX21-9186-0	IBM 3740 JOB INSTRUCTIONS FORM
89	**GX21-9187-0	IBM 3740 SYSTEM PRINT CHART
09	**GX21-9204-0	IBM 3741 PROGRAMMABLE WORK STATION MODELS 3-4 REFERENCE CARD
15	GX22-6834-7	PUNCHED CARD AND TAPE I/O AND PRINTERS, FOR SYSTEM/360 AND SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-6835-1	PHYSICAL PLANNING TEMPLATE IBM SYSTEM/360 HYPERTAPE
05	GX22-6837-5	2401 - 2404 AND 2415 MAGNETIC TAPE UNITS
15	GX22-6855-9	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 MAGNETIC TAPE UNITS AND CONTROLS
15	GX22-6856-1	PHYSICAL PLANNING TEMPLATE: SYSTEM/360 PROCESSOR MODEL 75
15	GX22-6857-8	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 COMMUNICATIONS EQUIPMENT
15	GX22-6858-6	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 DATA STORAGE DEVICES
15	GX22-6859-5	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 CONSOLES AND TERMINALS
15	GX22-6860-5	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 MAGNETIC AND OPTICAL CHARACTER READERS
15	GX22-6894-4#	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 MODELS 22, 25, 30, AND 40
15	GX22-6905-1	PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 67
15	GX22-6914-1	PHYSICAL PLANNING TEMPLATE SYSTEM/360 PROCESSORS MODELS 44 AND 50
15	GX22-6923-1#	PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 85
15	GX22-6924-0	PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 65 MULTISYSTEM
15	GX22-6925-1#	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 FIELD ENGINEERING FURNITURE AND TEST EQUIPMENT
15	GX22-6981-0	IBM PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 195
01	**GX22-6984-2	IBM SYSTEM/370 MODEL 165 OPERATORS REFERENCE CARD
15	GX22-6985-0	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/360 AND SYSTEM/370 CHANNELS: 2860, 2870, AND 2880
15	GX22-7005-1	IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 145
15	GX22-7006-1#	IBM PHYSICAL PLANNING TEMPLATE SYSTEM/370 MODEL 155
	GX22-7006-0#	

15	GX22-7007-2		IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 165
15	GX22-7008-1		IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 135
15	**GX22-7018-0		3270 INFORMATION DISPLAY SYSTEM FOR SYSTEM/360 & SYSTEM/370: PHYSICAL PLANNING TEMPLATE
15	GX22-7021-1		IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 125
15	GX22-7022-1		IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 168 AND MODEL 168 MULTIPROCESSING
15	GX22-7023-1		IBM PHYSICAL PLANNING TEMPLATE: SYSTEM/370 MODEL 158
15	GX22-7029-0		3340 DISK STORAGE MODELS A2, B1, AND B2, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7032-0		PHYSICAL PLANNING TEMPLATE: 3704 COMMUNICATIONS CONTROLLER MODEL 1 FOR SYSTEM/370
15	GX22-7035-0		3410 MAGNETIC TAPE UNIT MODELS 1 TO 3 AND 3411 MAGNETIC TAPE UNIT AND CONTROL MODELS 1 TO 3 FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7037-0		2401 MAGNETIC TAPE UNIT MODELS 1 TO 6 AND 8, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7038-0		2415 MAGNETIC TAPE UNIT AND CONTROL MODELS 1 TO 6, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7039-0		2420 MAGNETIC TAPE UNIT MODELS 5 AND 7, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7041-0		2495 TAPE CARTRIDGE READER MODEL 1, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7042-0		2803 TAPE CONTROL MODELS 1 TO 3, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7043-0		2804 TAPE CONTROL MODELS 1 TO 3, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7044-0		2816 SWITCHING UNIT MODEL 1, FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
15	GX22-7045-0		3540 DISKETTE INPUT/OUTPUT UNIT MODELS B1 AND B2 FOR SYSTEM/370: IBM PHYSICAL PLANNING TEMPLATE
89	**GX24-3092-0		IBM 1050 DATA COMMUNICATIONS SYSTEM TRANSMISSION - LIMITED MAXIMUM-MESSAGE-RATE GRAPH
89	**GX24-3124-2		PLANNING CHART, IBM 1050 DATA COMMUNICATION SYSTEM
89	**GX24-3139-3		IBM 1050 DATA COMMUNICATION SYSTEM, OPERATOR INSTRUCTION SHEET
89	**GX24-3285-1		IBM 1030 DATA COLLECTION SYSTEM, IBM 1031 PROGRAM CHART
89	GX24-3376-0		IBM 1052 KEY TABS: SYSTEM/360 MODEL 30, 1400 COMPATIBILITY
15	**GX24-3381-1		IBM PHYSICAL PLANNING TEMPLATE, 1050 DATA COMMUNICATIONS SYSTEM
89	GX24-3406-0		IBM SYSTEM/360 MODEL 30 IBM 2702 WORKSHEET
89	GX24-3407-0		IBM SYSTEM/360 MODEL 30 MULTIPLEXER CHANNEL WORKSHEET
89	GX24-3448-0		IBM 1445 PRINTER SPACING CHART
89	GX24-3477-2		IBM 1400 COMPATIBILITY INITIALIZATION DECK SYSTEM/360 MODEL 30 CODING SHEETS 1 AND 2
89	GX24-3541-0		MULTIPLEXER CHANNEL WORKSHEET - SYSTEM/360 MODEL 25 CONFIGURATION A AND B
89	GX24-5046-0		IBM SYSTEM/360 ASSEMBLER CODING FORM, BPS/BOS/TOS/DOS DTFSR ENTRIES, CARD READ-PUNCH
89	GX24-5047-0		IBM SYSTEM/360 ASSEMBLER CODING FORM, BPS/BOS/TOS/DOS DTFSR ENTRIES, PRINTER AND PRINTER-KEYBOARD
89	GX24-5048-1		IBM SYSTEM/360 ASSEMBLER CODING FORM, BOS/DOS DTFSR ENTRIES, DISK
89	GX24-5055-0		IBM SYSTEM/360 ASSEMBLER CODING FORM, TOS/DOS
01	GX26-1587-0		DECIMAL/HEXADECIMAL INTEGER CONVERSION CHART
01	GX26-1588-0		DECIMAL/HEXADECIMAL FRACTION CONVERSION CHART
14	GX26-1618-0		IBM 2730 TRANSACTION VALIDATION TERMINAL - REFERENCE CARD
15	GX26-5508-0		IBM PHYSICAL PLANNING TEMPLATE SYSTEM/360 PROCESS I/O DEVICES
15	**GX27-2900-1		IBM PHYSICAL PLANNING TEMPLATE: COMMUNICATIONS TERMINALS
89	GX27-2901-0		IMAGE PLANNING CHART - 2760 OPTICAL IMAGE UNIT, REGISTRATION PUNCHING ACME
89	GX27-2902-0		IMAGE PLANNING CHART - 2760 OPTICAL IMAGE UNIT REGISTRATION PUNCHING OXBERRY
89	GX27-2903-1#		2760 LAYOUT GUIDE (REGISTRATION PUNCHING-ACME)
89	GX27-2904-1#		2760 LAYOUT GUIDE (OXBERRY)
89	GX27-2905-0		IBM 2760 OPTICAL IMAGE LIMIT AUXILIARY SCREEN OVERLAY GUIDE
15	**GX27-2909-0		PHYSICAL PLANNING TEMPLATE IBM 2770 DATA COMMUNICATION SYSTEM
89	GX27-2950-0		2250 DISPLAY LAYOUT SHEET
89	**GX27-2951-0		IBM 3270 INFORMATION DISPLAY SYSTEM LAYOUT SHEET
15	GX27-2955-0		IBM 3600 FINANCE COMMUNICATION SYSTEM - PHYSICAL PLANNING TEMPLATE
00	**GX27-2956-0+		PHYSICAL PLANNING TEMPLATE 3790 COMMUNICATIONS SYSTEM (US)
89	GX28-1464-5#		COBOL CODING FORM
24	GX28-1520-0		IBM REFERENCE CARD - COBOL
25	**GX28-6383-0		REFERENCE CARD, FORTRAN IV
25	GX28-6384-0		IBM FORTRAN IV REFERENCE CARD
40	GX28-6400-2	GN28-3172	TSS/360 QUICK GUIDE FOR USERS PROGRAM NUMBER 360G-CL-627
36	GX28-6401-1	GN28-3173	TSS/360 QUICK GUIDE FOR SYSTEM PROGRAMMERS: TSSS, ASSEMBLER, CONTROL BLOCKS - REFERENCE SUMMARY, PROG. NO. 360G-CL-627
89	GX28-6506-4		IBM SYSTEM/360 BASIC ASSEMBLER SHORT CODING FORM
89	GX28-6507-4		IBM SYSTEM/360 BASIC ASSEMBLER LONG CODING FORM
89	GX28-6509-6#		IBM SYSTEM/360 ASSEMBLER CODING FORM
20	GX28-6731-2		OPERATING SYSTEM SUMMARY CHART
37	GX28-6749-3		IBM OPERATING SYSTEM/360 REFERENCE CARD: SERVICE AIDS
39	GX28-6781-1		IBM S/360 TSO COMMAND LANGUAGE REFERENCE SUMMARY
36	GX28-6783-0		IBM OS/360 JOB CONTROL LANGUAGE SYNTAX REFERENCE SUMMARY
37	GX28-6812-0		SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM - FORMATS FOR MACHINE-CHECK INTERRUPTION DIAGNOSTICS
29	SX28-6813-1		IBM SYSTEM/360 OS/DOS ITF: PLI REFERENCE CARD PROGRAM NUMBERS 5734-RC1, 5736-RC1

23	SX28-6814-1	IBM SYSTEM/360 OS/DOS ITF: BASIC, REFERENCE CARD, PROG. NOS. 5734-RC3 AND 5736-RC2
89	GX28-7327-6	FORTRAN CODING FORM
25	SX28-8193-0	IBM FORTRAN INTERACTIVE DEBUG FOR OS (TSO) AND VM/370 (CMS) REFERENCE CARD - PROGRAM NUMBER 5734-F05
24	SX28-8194-1#	IBM OS COBOL INTERACTIVE DEBUG REFERENCE CARD - PROGRAM PRODUCT 5734-CB4
	SX28-8194-0#	
24	GX28-8195-0	IBM GUIDE TO AMERICAN NATIONAL STANDARD COBOL REFERENCE CARD
29	GX33-6000-0	IBM SYSTEM/360 OPERATING SYSTEM PL/1 (F) REFERENCE CARD: KEYWORDS
29	SX33-6001-0	DISK OPERATING SYSTEM/360 REFERENCE CARD PL/I OPTIMIZING COMPILER KEYWORDS
29	**SX33-6002-1	OS PL/I OPTIMIZING AND CHECKOUT COMPILERS: KEYWORDS, TERMINAL COMMANDS, AND COMPILER OPTIONS REFERENCE CARD - PROGRAM NUMBERS 5734-PL1, PL2, PL3
33	**SX33-8001-0	OS/VS SORT/MERGE REFERENCE SUMMARY - PROG. PROD. 5740-XM1
05	GX35-5001-0	IBM SYSTEM/360/370 REFERENCE DATA 2401-2404, 2415, 2420, AND 3420 MAGNETIC TAPE UNITS
82	LYA2-5201-0*	IBM SYSTEM/360 AND SYSTEM/370 (OS/TSO) MATRIX INTERPRETATIVE SYSTEM (MATSYS) PROGRAM LISTING - PROGRAM PRODUCT 5734-XM7
82	LYA2-5203-0	IBM SYSTEM/360 AND SYSTEM/370 SUBROUTINE LIBRARY MATHEMATICS - MICROFICHE LISTING - PROGRAM NUMBER 5736-XM7
78	LYA9-2007-0	IBM VEHICLE SCHEDULING PROGRAM--EXTENDED (OS) PROGRAM LOGIC MANUAL, VOLUME III PROGRAM LISTINGS - MICROFICHE, PROGRAM NUMBER 5734-XM5
78	LYA9-2008-0	IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (DOS) PROGRAM LOGIC MANUAL, VOLUME III PROGRAM LISTINGS - MICROFICHE PROG. NO. 5736-XM3
83	LYA9-5038-0	SIMULATION LANGUAGE BASED ON PL/1 (SIMPL/1) PROGRAM LOGIC MANUAL, VOL. II, FLOWCHARTS - PROGRAM NUMBER 5734-XXB
81	GYB0-0304-1	PROJECT CONTROL SYSTEM/360 VERSION 2 MICROFICHE-LISTINGS PROGRAM NUMBER: 360A-CP-06X
82	GYB0-0347-0	SYSTEM/360 MATRIX LANGUAGE (MATLAN) LISTINGS, PROGRAM NUMBER 360A-CM-05X
72	GYB0-0348-0	SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR: LISTINGS APPLICATION - PROGRAM NUMBER 360A-CN-12X
82	GYB0-0414-0	LINEAR PROGRAMMING SYSTEM/360 (LPS/360) COMPILATION/ASSEMBLY LISTINGS MANUAL MICROFICHE - PROGRAM NUMBER 360A-CO-18X
80	LYB0-0433-2	INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360: SYSTEM MANUAL, VOLUME III - ASSEMBLY LISTINGS MICROFICHE PROGRAM NUMBER 5736-CX3, FEATURE CODE 8003
81	LYB0-0454-1	PROJECT MANAGEMENT SYSTEM/360: VERSION 3, LISTINGS - SYSTEM MANUAL MICROFICHE PROGRAM NUMBER 5734-XP1 FEATURE CODE 8301
30	LYB0-0465-0	GRAPHIC ANALYSIS OF THREE DIMENSIONAL DATA (GATD) SYSTEM MANUAL VOLUME 2 PROGRAM LISTINGS PROGRAM NUMBER 5734-XX2 - FEATURE CODE 8301
70	LYB0-0480-1	LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMNAS) VOLUME 2 LISTINGS - MICROFICHE SYSTEM MANUAL PROGRAM NUMBER 5736-G21, FEATURE CODE 8401
78	GYB0-0492-0	SYSTEM/360 VEHICLE SCHEDULING PROGRAM (360A-ST-06X) LISTINGS - SYSTEM MANUAL
31	GYB0-0507-0	IBM SYSTEM/360 DOS POWER II: LISTINGS - MICROFICHE PROGRAM NUMBER 360D-05.2.006
99	GYB0-0508-1#	IBM SYSTEM/360/370 ATTACHED SUPPORT PROCESSOR (ASP) VERSION 2 MICROFICHE, PROGRAM NUMBER 360A-CX-15X
36	GYB0-0512-1	HASP MICROFICHE LISTINGS - PROGRAM NUMBER 360D-05.1.014
32	GYB0-0515-0	2495 UTILITY FOR OS/360 - LISTINGS PROGRAM NUMBER 360D-00.0.020
38	GYB0-0516-1	CONVERSATIONAL REMOTE BATCH ENTRY (CRBE) VERSION 2: MOD 8 LISTINGS PROGRAM NUMBER 360D-05.1.016
31	GYB0-0517-2	CONVERSATIONAL PROGRAMMING SYSTEM (CPS) VERSION 5 LISTINGS PROGRAM NUMBER 360D-03.4.016
38	GYB0-0527-3	SYSTEM/360 DOS POWER II, VERSION 2, WITH REMOTE JOB ENTRY (RJE) - LISTINGS PROGRAM NUMBER 360D-05.2.006
99	GYB0-0538-2	CALL-OS VERSION 2 EXECUTIVE & UTILITY LISTINGS PROGRAM NUMBER 360A-CX-42X
99	GYB0-0540-2	CALL/360-OS (VERSION 1) BASIC ASSEMBLY LISTINGS PROGRAM NO. 360A-CX-44X (FE #030440)
99	GYB0-0541-2	CALL/360-OS (VERSION 1) FORTRAN ASSEMBLY LISTINGS PROG. NO. 360A-CX-46X (FE #030460)
99	GYB0-0542-2	CALL/360-OS (VERSION 1) PL/I ASSEMBLY LISTINGS PROGRAM NO. 360A-CX-45X (FE #030450)
36	GYB0-0592-2	CP-67/CMS CP67 LISTINGS - PROG. NO. 360D-05.2.005
36	GYB0-0593-2	CP-67/CMS, CMS LISTINGS, PROGRAM NUMBER 360D-05.2.005
35	GYB0-0598-0	COMPATIBILITY OPERATING SYSTEM FOR EMULATION OF IBM 1410/7010 DATA PROCESSING SYSTEMS OPERATING ON IBM SYSTEM/360 MODEL 50 (COS/50) (360D-11.1.025) LISTINGS
81	LYB0-0617-0	PROJECT MANAGEMENT SYSTEM IV (PMS IV) COST PROCESSOR ASSEMBLY LISTINGS PROGRAM NUMBER 5734-XP4, FEATURE CODE 8076
81	LYB0-0618-0	PROJECT MANAGEMENT SYSTEM IV (PMS IV) NETWORK PROCESSOR ASSEMBLY LISTINGS PROGRAM NUMBER 5734-XP4, FEATURE CODE 7406
81	LYB0-0619-0	PROJECT MANAGEMENT SYSTEM IV (PMS IV) RESOURCE ALLOCATION PROCESSOR ASSEMBLY LISTINGS PROGRAM NUMBER 5734-XP4, FEATURE CODE 8079
81	LYB0-0620-0	PROJECT MANAGEMENT SYSTEM IV (PMS IV) REPORT PROCESSOR ASSEMBLY LISTINGS PROGRAM NUMBER 5734-XP4, FEATURE CODE 8070

22	LYB0-0625-1			APL/360-OS ASSEMBLY LISTINGS, PROGRAM NUMBER 5734-XM6, FEATURE CODE 8092, FE SERVICE NUMBER 200156
22	LYB0-0626-1			APL/360 - DOS ASSEMBLY LISTINGS, PROGRAM NUMBER 5736-XM6, FEATURE CODE 8065, FE SERVICE NUMBER 200157
80	**LYB0-0631-6			INFORMATION MANAGEMENT SYSTEM/360 (IMS/360) VERS. 2, MOD LEVEL 3, DATA BASE LISTINGS, VOL 3, PROG. PROD. 5734-XX6
80	**LYB0-0632-6			INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, VOLUME 4, DATA COMMUNICATION LISTINGS, MICROFICHE PROGRAM NUMBER 5734-XX6, FEATURE CODE 8083
82	LYB0-0643-3			MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MICROFICHE ASSEMBLY LISTINGS - PROGRAM NUMBER 5734-XM4 FE SERVICE NUMBER 200080
82	LYB0-0644-3			MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX), MIXED INTEGER PROGRAMMING (MIP), PROGRAM NUMBER 5734-XM4, ASSEMBLY LISTING MICROFICHE
64	**LYB0-0720-2			COURSEWRITER III, DOS VERSION 3 LISTINGS - MICROFICHE PROGRAM NUMBER 5736-E11
64	LYB0-0721-1			COURSEWRITER III; DOS VERSION 3 FLOWCHARTS MICROFICHE - PROGRAM NUMBER 5736-E11
81	LYB0-0724-2			CUSTOMER INFORMATION CONTROL SYSTEM/DOS - ENTRY (CICS/DOS- ENTRY) LISTINGS, PROG. PROD. 5736-XX6
81	LYB0-0735-2			CUSTOMER INFORMATION CONTROL SYSTEM/DOS STANDARD (CICS/DOS- STANDARD) LISTINGS, PROG. PROD. 5736-XX7
81	LYB0-0781-3			CUSTOMER INFORMATION CONTROL SYSTEM/OPERATING SYSTEM STANDARD (CICS/OS-STANDARD) VERSION 2 PROGRAM LISTINGS MICROFICHE - PROGRAM NUMBER 5734-XX7
64	LYB0-0784-2			COURSEWRITER III, VERSION 3 OS FLOWCHARTS - MICROFICHE PROGRAM NUMBER 5734-E13
64	LYB0-0785-2			COURSEWRITER III, VERSION 3 OS LISTINGS - MICROFICHE PROGRAM NUMBER 5734-E13
36	GYB0-0789-0			CONTROL PROGRAM-67/CAMBRIDGE MONITOR SYSTEM (CP-67/CMX) VERSION 3.1 (COMPONENT RELEASE 1) 3420 MAGNETIC TAPE UNITS AND DUAL DENSITY SUPPORT - LISTINGS (MICROFICHE) PROGRAM NUMBER 360D-05.2.005
79	LYB0-0824-1			INTERACTIVE TRAINING SYSTEM MICROFICHE LISTINGS - PROGRAM NUMBER 5734-XXC
82	LYB0-0832-1			MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) GENERALIZED UPPER BOUNDING (GOB) MICROFICHE LISTINGS - PROGRAM NUMBER 5734-XM4
80	**LYB0-0834-2			INTERACTIVE QUERY FEATURE (IQF) TO IMS/360: MICROFICHE LISTINGS - PROGRAM NUMBER 5734-XX6
80	**LYB0-0839-1#			DATA LANGUAGE/I DOS/V5 LISTING - PROG. NO. 5746-XX1
99	LYB0-0839-0#			
99	GYB0-0854-1	GNB0-9090	GNB0-9091	IBM S/360, 370 ASYMMETRIC MULTIPROCESSING SYSTEM (ASP VERSION 3): LISTINGS MICROFICHE PROGRAM NUMBER 360A-CX-15X
99	GYB0-0856-0			S/370 HASP II VERSION 4 MICROFICHE - PROGRAM NUMBER 370H-TX-001
80	LYB0-0864-1			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) BASIC RETRIEVAL SYSTEM MICROFICHE - PROGRAM NUMBER 5734-XX1
80	LYB0-0865-0			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) ARITHMETIC STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	LYB0-0866-1			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) TELEPROCESSING SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	LYB0-0867-1			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) CONTROL STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	LYB0-0868-0			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) PROCESSING STATEMENT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	LYB0-0869-1			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) FORMAL REPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	LYB0-0870-1			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) HIERARCHICAL FILE SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	LYB0-0871-1			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) UPDATE AND CREATE FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	LYB0-0872-1			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) UTILITY FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	LYB0-0873-1			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) EDIT AND ENCODE FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	LYB0-0874-1			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) FILE MODIFY FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	LYB0-0875-1			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) DATA LANGUAGE/1 QUERY SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
80	LYB0-0876-0			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) EXTENDED MULTI-FILE SUPPORT FEATURE MICROFICHE - PROGRAM NUMBER 5734-XX1
22	**LYB0-2010-0			A PROGRAMMING LANGUAGE SHARED VARIABLE LISTINGS (APLSV) PRPQ 5799-AJF
81	**LYB0-8008-0			CUSTOMER INFORMATION CONTROL SYSTEM/V5 (CICS/V5) PROG. PROD. 5740-XX1
81	**LYB0-8009-0			CUSTOMER INFORMATION CONTROL SYSTEM - DOS/V5 (CICS/V5) - PROG. PROD. 5746-XX3
80	**LYB0-8016-0			INFORMATION MANAGEMENT SYSTEM/V5 RELEASE 1.0 DATA BASE LISTINGS - SYSTEM MANUAL VOL III PROG. PROD. 5740-XX2
80	**LYB0-8017-0			INFORMATION MANAGEMENT SYSTEM/V5 RELEASE 1.0 DATA COMMUNICATION LISTINGS FEATURE SYSTEM MANUAL VOL. IV PROG. PROD. 5740-XX2
80	**LYB0-8018-0			INFORMATION MANAGEMENT SYSTEM/V5 RELEASE 1.6 INTERACTIVE QUERY FACILITY (IQF) SYSTEM MANUAL VOL. VI - PROG. PROD. 5740-XX2

99	GYB0-8501-0			MICROFICHE FOR IBM SYSTEM/370 DISTRIBUTED SYSTEM - PROGRAM NUMBER 360A-TX-032
28	LYB1-0450-6			S/360 DOS RPG II COMPILER, LISTINGS, PROG. PROD. 5736-RG1
33	LYC7-0900-2			PROGRAM LISTINGS OS 01.2 OS SORT/MERGE MICROFICHE PROGRAM NUMBER 5734-SM1
33	LYC7-0901-1	**LSC0-5304		DOS 01-0 SORT/MERGE LISTINGS - PROGRAM PRODUCT 5743-SM1
33	LYC7-0903-0			DOS/VS SORT/MERGE 1.0 LISTING - PROGRAM PRODUCT 5746-SM1
33	LYC7-0904-0			OS/VS SORT/MERGE, LISTING - PROG. PROD. 5740-SM1
99	**SYC7-1117-0			SYSTEM/370 OS MULTIFONT PREPROCESSOR SUPPORT LISTINGS PROGRAM NUMBER 360A-TX-031
99	SYC7-1118-0			SYSTEM/370 OS/VS MULTIFONT PREPROCESSOR SUPPORT LISTINGS PROGRAM NUMBER 5744-AE1
99	**SYC7-1119-0			SYSTEM/370 DOS MULTIFONT PREPROCESSOR SUPPORT LISTINGS PROGRAM NUMBER 360A-TX-031
28	LYC7-1317-2			IBM DISK OPERATING SYSTEM REPORT PROGRAM GENERATOR II AUTO REPORT FEATURE - PROGRAM LISTINGS - PROGRAM NUMBER 5736-RG1
32	LYC7-1700-0			DOS/360 ASCII MAGNETIC TAPE UTILITIES PROGRAM LISTINGS PROGRAM NUMBER 5736-UT2
99	GYC7-1900-0	GNC7-1903		S/370 DISK OPERATING SYSTEM ASSEMBLER D ASSEMBLY LISTINGS PROGRAM NUMBER 370N-AS-465
99	**GYC7-1901-1#			SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS - SYSTEM CONTROL/BASIC IOCS - PROGRAM NUMBER 370N-CL-453
	GYC7-1901-0#	GNC7-1901	GNC7-1904	
		GNC7-1922		
99	GYC7-1902-1#			DOS 27.1 DIRECT ACCESS METHOD, ASSEMBLY LISTINGS, PROG. NO. 370N-IO-454
99	GYC7-1903-0	GNC7-1905		DOS 27 SEQUENTIAL DISK IOCS MICROFICHE LISTINGS - PROGRAM NUMBER 370N-IO-455
99	GYC7-1904-0	GNC7-1906		DOS 27 MAGNETIC TAPE IOCS MICROFICHE LISTINGS - PROGRAM NUMBER 370N-IO-456
99	GYC7-1905-0	GNC7-1907		DOS 27 ISFMS MICROFICHE LISTING - PROGRAM NUMBER 370N-IO-457
99	GYC7-1906-0			DOS-27 PAPER TAPE IOCS - MICROFICHE LISTINGS PROGRAM NUMBER 360N-IO-458
99	GYC7-1907-0	GNC7-1908	GNC7-1923	DOS 27 SYSTEM UTILITY PROGRAMS, 370N-UT-491 MICROFICHE LISTING
99	GYC7-1908-0	GNC7-1909		S/370 DISK OPERATING SYSTEM ENVIRONMENTAL RECORDING AND EDITING PROGRAM 370N-UT-492
99	GYC7-1909-0	GNC7-1910		S/370 DISK OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD ASSEMBLY LISTINGS, PROGRAM NUMBER 370N-CQ-469
99	GYC7-1910-0	GNC7-1911		S/370 DISK OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD ASSEMBLY LISTINGS, PROGRAM NUMBER 370N-CQ-470
99	GYC7-1911-0	GNC7-1900		SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS 3735 TERMINAL SUPPORT - PROGRAM NUMBER 370N-CQ-493
99	GYC7-1912-0			SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS OLTEP - PROGRAM NUMBER 370N-DN-481
99	GYC7-1913-0	GNC7-1912		S/370 DISK OPERATING SYSTEM SYSTEM/370 EMULATOR ASSEMBLY LISTINGS - PROGRAM NUMBER 370N-EU-490
99	GYC7-1914-0	GNC7-1913		SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS COMPILER I/O MODULES - PROGRAM NUMBER 370N-IO-476
99	GYC7-1915-1#			S/370 DISK OPERATING SYSTEM MAGNETIC CHARACTER READER IOCS 370N-IO-477
	GYC7-1915-0#			
	GYC7-1916-0	GNC7-1915		S/370 DISK OPERATING SYSTEM OPTICAL CHARACTER READER IOCS ASSEMBLY LISTINGS - PROGRAM NUMBER 370N-IO-478
99	GYC7-1917-1			SYSTEM/370 DISK OPERATING SYSTEM MICROFICHE ASSEMBLY LISTINGS MICROFICHE INDEX
99	GYC7-1918-0			DOS 27 ASSEMBLER F - MICROFICHE LISTING PROGRAM NUMBER 360N-AS-466
99	GYC7-1919-0			DOS 27 COBOL D - MICROFICHE LISTING PROGRAM NUMBER 360N-CB-452
99	GYC7-1920-0			DOS 27 ANS COBOL - MICROFICHE LISTING PROGRAM NUMBER 360N-CB-482
99	GYC7-1921-0	GNC7-1916		S/370 DISK OPERATING SYSTEM LANGUAGE CONVERSION PROGRAM ASSEMBLY LISTINGS, PROGRAM NUMBER 360N-CV-489
99	GYC7-1922-0	GNC7-1917		S/370 DISK OPERATING SYSTEM FORTRAN IV ASSEMBLY LISTINGS - PROGRAM NO. 360N-FO-479
99	GYC7-1923-0	GNC7-5120		DOS 27 FORTRAN LIBRARY SUB PROGRAM MICROFICHE LISTINGS PROGRAM NUMBER 360N-LM-480
99	GYC7-1924-0	GNC7-1918		S/370 DISK OPERATING SYSTEM PL/1 ASSEMBLY LISTINGS, PROGRAM NUMBER 360N-PL-464
99	GYC7-1925-0			DOS 27 DISK SORT/MERGE-MICROFICHE LISTINGS - PROGRAM NUMBER 360N-SM-450
99	GYC7-1926-0	GNC7-1919		S/370 DISK OPERATING SYSTEM MODULAR SORT/MERGE ASSEMBLY LISTINGS PROGRAM NUMBER 360N-SM-483
99	GYC7-1927-0	GNC7-1920		DOS 27 UTILITIES GROUP I - MICROFICHE LISTINGS - PROGRAM NUMBER 360N-UT-461
99	GYC7-1928-0	GNC7-1921		S/370 DISK OPERATING SYSTEM GROUP 2 UTILITIES TAPE 360N-UT-462
99	GYC7-1930-0			DOS 27.1 UTILITIES GROUP 3 MICROFICHE LISTING - PROGRAM NUMBER 360N-UT-463
99	GYC7-1931-0			S/370 DISK OPERATING SYSTEM MPS UTILITY MACROS MICROFICHE ASSEMBLY LISTINGS, PROG. NO. 360N-UT-471
32	**LYC7-2300-3			ASSEMBLY LISTING MICROFICHE FOR TSO DATA UTILITIES - PROGRAM PRODUCT 5734-UT1
32	LYC7-2301-0			SYSTEM/360 OPERATING SYSTEM ASCII UTILITIES ASSEMBLY LISTING MICROFICHE - PROGRAM PRODUCT - PROGRAM NUMBER 5734-UT2
29	LYC7-2500-1			SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER PROGRAM LISTING - PROGRAM NUMBER 5734-PL2
29	**LYC7-2501-3#			DISK OPERATING SYSTEM/360
	LYC7-2501-2#	LN7-2520	LN7-2524	PL/I RESIDENT LIBRARY - ASSEMBLY LISTING MICROFICHE PROGRAM NUMBER 5736-LM4
29	**LYC7-2502-3#			DISK OPERATING SYSTEM/360 PL/I TRANSIENT LIBRARY ASSEMBLY LISTING MICROFICHE - PROGRAM NUMBER 5736-LM5
	LYC7-2502-2#			
29	LYC7-2503-4			DISK OPERATING SYSTEM/360 PL/I OPTIMIZING COMPILER ASSEMBLY LISTING MICROFICHE - PROGRAM NUMBER 5736-PL1

29	LYC7-2504-1#			SYSTEM/360 OPERATING SYSTEM PL/I RESIDENT LIBRARY
	LYC7-2504-0#			MICROFICHE - PROGRAM NUMBER 5734-LM4
29	LYC7-2505-1#			OS PL/I TRANSIENT LIBRARY - MICROFICHE, PROG. NO. 5734-LM5
	LYC7-2505-0#			
29	LYC7-2506-3			SYSTEM/360 OPERATING SYSTEM PL/I OPTIMIZING COMPILER
				MICROFICHE LISTINGS - PROGRAM NUMBER 5734-PL1
36	LYC7-5006-0			IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL
				FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1,
				5734-RC3
36	LYC7-5008-0			IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL
				FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1,
				5734-RC3
36	LYC7-5009-0			IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL
				FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1,
				5734-RC3
36	LYC7-5010-0			IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL
				FACILITY MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1,
				5734-RC3
36	LYC7-5011-0			IBM SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL
				FACILITY - MICROFICHE LISTINGS - PROGRAM NUMBERS 5734-RC1,
				5734-RC3
25	LYC7-5012-0			SYSTEM/360 DISK OPERATING SYSTEM FORTRAN F LIBRARY
				PROGRAM PRODUCT LISTING MICROFICHE
				ASC II - PROGRAM NUMBER 5736-LM1
29	LYC7-5013-0	LNC7-5013-1		IBM DOS/360 ITF PL/I, LISTINGS - PROG. PROD. 5736-RC1
36	LYC7-5014-0	LNC7-5014-1		DOS ITF RELEASE II - SHARED ASSEMBLY LISTINGS - MICROFICHE
23	LYC7-5015-0	LNC7-5015-1		DOS ITF RELEASE II - BASIC ASSEMBLY LISTINGS - MICROFICHE
				PROG. PROD. 5736-RC2
29	LYC7-5016-0	LNC7-5016-1		IBM OS/360 ITF PL/I LISTINGS, PROG. PROD. 5734-RC1
36	LYC7-5017-0	LNC7-5017-1		IBM OS/360 ITF SHARED - PROG. PROD. 5734-RC1/RC3
23	LYC7-5018-0	LNC7-5018-1		SYSTEM/360 OPERATING SYSTEM INTERACTIVE TERMINAL FACILITY -
				BASIC MODULES - MICROFICHE LISTINGS - PROGRAM NUMBER
				5734-RC3
25	LYC7-5019-1	LNC7-5105	LNC7-5107	IBM SYSTEM/360/370 FORTRAN IV H EXTENDED COMPILER -
		LNC7-5111		LISTINGS, PROG. PROD. 5734-FO3
25	LYC7-5020-0	LNC7-5020	LNC7-5106	IBM SYSTEM/360/370 FORTRAN IV LIBRARY MOD II - LISTINGS
		LNC7-5101	**LNC7-5117	PROG. PROD. 5734-LM3
25	LYC7-5021-1			SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G1) COMPILER
				MICROFICHE LISTINGS, PROG. PROD. 5734-FO2
25	**LYC7-5022-1#			OS 360/370 FORTRAN IV LIBR. MOD I LISTING, P.P. NO. 5734-LM1
	LYC7-5022-0#			
24	LYC7-5023-0			SYSTEM/360 OPERATING SYSTEM AMERICAN NATIONAL STANDARD
				(ANS) COBOL VERSION 3 LISTINGS - PROGRAM NUMBER 5734-CB1
24	**LYC7-5030-3			DOS ANS COBOL COMPILER V3 LISTINGS - PROG. NO. 5736-CB2
24	**LYC7-5031-3			DOS FULL ANS COBOL LIBRARY V3, LISTINGS, PROG. NO. 5736-LM2
25	LYC7-5032-0			SYSTEM/360 TIME SHARING OPTION FORTRAN PROMPTER VERSION 7
				PROGRAM NUMBER 5734-CP3
39	LYC7-5033-0	LNC7-5033		IBM M/360 TSO ITF (PL/I), LISTINGS, PROG. NOS. 5734-RC2, RC4
39	LYC7-5034-0	LNC7-5034		SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION
				INTERACTIVE TERMINAL FACILITY (BASIC ONLY)
				PROGRAM PRODUCT LISTING MICROFICHE - PROGRAM NUMBER 5734-RC4
39	LYC7-5035-0	LNC7-5035-1		IBM M/360 TSO ITF (SHARED), LISTINGS PROG. NOS. 5734-RC2, 4
25	LYC7-5036-1	**LNC7-5116		IBM SYSTEM/360/370 CODE AND GO FORTRAN COMPILER - LISTINGS,
				PROG. PROD. 5734-FO1
21	LYC7-5037-2			ASSEMBLER F PROMPTER MICROFICHE LISTING, PROG PROD 5734-CP2
				ASSEMBLER F PROMPTER MICROFICHE LISTING, PROG. PROD. 5734-CP
24	LYC7-5038-2			IBM SYSTEM/360/370 OS FULL ANS COBOL VERSION 3
				COMPILER AND LIBRARY-- LISTINGS, PROG. PROD. 5734-CB1
24	LYC7-5039-0			SYSTEM/360 OPERATING SYSTEM FULL COBOL COMPILER
				VERSION 3/TIME SHARING OPTION COBOL PROMPTER
				PROGRAM NUMBER 5734-CB3
24	**LYC7-5040-1			IBM SYSTEM/360 OPERATING SYSTEM - TIME SHARING OPTION
				COBOL PROMPTER - PROGRAM NUMBERS 5734-CP1, 5734-CB3
24	LYC7-5041-5			DOS SUBSET COMPILER & LIBRARY LISTINGS - PROG. NO. 5736-CB1
25	LYC7-5042-1			SYSTEM/360 OPERATING SYSTEM FORTRAN H EXTENDED PLUS
				MICROFICHE - PROGRAM NUMBER 5799-AAW
25	LYC7-5044-1			DOS FORTRAN IV LIBRARY OPT 1, LISTINGS - PROG. NO. 5746-LM3
24	LYC7-5045-2			OS ANS COBOL COMPILER & LIBRARY LISTINGS, PROG. 5734-CB2
30	LYC7-5048-2			OS VIDEO/370 LISTINGS, PROG. PROD. 5734-RC5
30	LYC7-5049-2			DOS VIDEO/370 LISTINGS - PROGRAM PRODUCT 5736-RC3
24	**LYC7-5050-1			DOS/VS COBOL COMPILER PROG. NO. 5746-CB1 LISTINGS
80	LY09-0012-0			VANDL-1 LOGIC MANUAL - PROG. NO. 5799-AEY
82	LY12-5002-0*			MATRIX SYSTEM MATRIX LOGIC MANUAL - PROGRAM PRODUCT 5734-XM7
79	LY12-5008-0			IBM SYSTEM/360 AND SYSTEM/370, STORAGE AND INFORMATION
				RETRIEVAL SYSTEM (STAIRS), PROGRAM LOGIC MANUAL VOL. I
				NARRATIVES - PROGRAM PRODUCT 5734-XR3
79	LY12-5013-0			SYSTEM/360/370 STAIRS: PLM VOLUME II (FLOWCHARTS) - PROGRAM
				NUMBER 5734-XR3
80	**LY12-5016-0	**LN20-8020		DATA LANGUAGE/1 DISK OPERATING SYSTEM/VIRTUAL
				STORAGE (DL/1 DOS/VS) LOGIC MANUAL - PROGRAM
				PRODUCT 5746-XX1
				MANUL
81	LY19-0007-0			IBM SYSTEM/360 RESOURCE ALLOCATION (REAL/360) FOR PROJECT
				CONTROL SYSTEM/360 LISTINGS MANUAL (PROGRAM NO. 5736-XP2,
				FEATURE CODE 8017)
79	LY19-1004-0*	LN19-6134		SYSTEM/360 AND SYSTEM/370 DECISION TABLE TRANSLATOR
				(DECTAT) FOR COBOL AND PL/I, SYSTEM MANUAL
				PROGRAM NUMBER 5734-XR2
79	LY19-1007-0*			SYSTEM/360 AND SYSTEM/370 STATISTICAL ANALYSIS OF FILES
				(STAF/OS) LOGIC MANUAL - PROGRAM NUMBER 5734-XXB
81	LY19-1009-0			SYSTEM/360 AND SYSTEM/370 BUDGETS AND PLANS GENERATOR LOGIC
				MANUAL (BUDPLAN) - PROGRAM PRODUCT 5734-F51
81	LY19-1012-0			IBM SYSTEM/370 BUDGETS AND PLANS GENERATOR (BUDPLAN)
				DOS/VS LOGIC MANUAL - PROGRAM PRODUCT 5746-F51

78	LY19-2001-0			IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (OS AND DOS) PROGRAM LOGIC MANUAL, VOLUME I, NARRATIVE PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)
78	LY19-2006-0			IBM VEHICLE SCHEDULING PROGRAM -- EXTENDED (OS AND DOS) PROGRAM LOGIC MANUAL, VOLUME II, FLOWCHARTS PROGRAM NUMBERS 5734-XM5 (OS), 5736-XM3 (DOS)
81	LY19-4000-0	LN19-6118	LN19-6141	FORECASTING AND MODELING SYSTEM (FAMS) LOGIC MANUAL PROGRAM NUMBER 5734-XS4 (DOS VERSION), 5734-XS7 (OS VERSION)
72	LY19-5034-0	LN19-5081		SYSTEM/370 APT-BP SYSTEM/370 APT-IC SYSTEM/370 APT-AC LOGIC MANUAL VOLUME 2 - PROG. PROJECT 5740-M51, M52, M53
83	LY19-5037-0	LN19-5088		SIMPL/I SIMULATION LANGUAGE BASED ON PL/I LOGIC MANUAL PROGRAM PRODUCT 5734-XXB
83	LY19-7000-0			CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) LOGIC MANUAL - PROGRAM NUMBER 5734-XS9, FEATURE NUMBER 8143
83	LY19-7001-0			CONTINUOUS SYSTEM MODELING PROGRAM III (CSMP III) GRAPHIC FEATURE LOGIC MANUAL - PROGRAM NUMBER 5734-XS9 FEATURE NUMBER 8144
32	GY20-0042-1			SYSTEM/360 DATA CONVERSION UTILITY III, VERSION 2 - SYSTEM MANUAL PROGRAM NUMBER 360A-SE-26X
79	GY20-0062-1#			SYSTEM/360 FLOWCHART SYSTEM MANUAL PROGRAM NUMBER 360A-SE-22X
82	GY20-0065-2	GY20-0400	GY20-0506	MATHEMATICAL PROGRAMMING SYSTEM/360 VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CO-14X
32	GY20-0067-1	GN20-2774		SYSTEM/360 DATA CONVERSION UTILITIES II, VERSION 2 (SEQUENTIAL, DIRECT ACCESS) SYSTEM MANUAL PROGRAM NUMBER 360A-SE-20X
67	GY20-0071-1	GN20-2206		SYSTEM/360 ONLINE TELLER PROGRAM WITH BACKGROUND PROCESSING CAPABILITY SYSTEM'S MANUAL, PROGRAM NUMBER 360A-FB-16X
83	GY20-0075-0			GENERAL PURPOSE SIMULATION SYSTEM/360 SYSTEM MANUAL PROGRAM NUMBERS 360A-CS-17X, 360A-CS-19X
72	GY20-0080-2			SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSION 4: SYSTEM MANUAL - FLOWCHARTS, PROG. NO. 360A-CN-10X
81	GY20-0083-2			PROJECT MANAGEMENT SYSTEM/360 VERSION 2 NETWORK PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 360A-CP-04X
81	GY20-0084-2			PROJECT MANAGEMENT SYSTEM/360 VERSION 2 COST PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 360A-CP-04X
81	GY20-0085-2			PROJECT MANAGEMENT SYSTEM VERSION 2, REPORT PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 360A-CP-04X
82	GY20-0092-2			SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE VERSION 3: SYSTEM MANUAL, PROG. NO. 360A-CM-03X
30	GY20-0096-0	GY20-0299		SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR DOS/360 SYSTEM MANUAL PROGRAM NUMBER 360A-SE-32X
30	GY20-0097-0	GY20-0298	GY20-0159	SYNCHRONOUS TRANSMIT-RECEIVE ACCESS METHOD FOR OS/360 SYSTEM MANUAL PROGRAM NUMBER 360A-SE-33X
72	GY20-0099-1#	GY20-0221		SYSTEM/360 BILL OF MATERIAL PROCESSOR VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-ME-06X
38	GY20-0101-2	GY20-0476	GY20-0352	SYSTEM/360 REMOTE ACCESS COMPUTING SYSTEM (RAX) VERSION 3 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-17X
79	GY20-0105-1	GN20-2364		1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM PROGRAMMER'S MANUAL PROGRAM NUMBER 360A-SE-19X
79	GY20-0106-1			1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM OPERATOR'S MANUAL PROGRAM NUMBER 360A-SE-19X
83	GY20-0111-0	GY20-0374	GY20-0258	SYSTEM/360 CONTINUOUS SYSTEM MODELING PROGRAM SYSTEM MANUAL PROGRAM NUMBER 360A-CX-16X
72	GY20-0112-0			IBM SYSTEM/360 PRODUCT STRUCTURE RETRIEVAL SYSTEMS MANUAL PROGRAM NUMBER 360A-ME-07X
72	GY20-0118-1#			S/360 AD-APT/AUTOSPOT NUMERICAL CONTROL PROCESSOR: SYSTEM MANUAL, PROG. NO. 360A-CN-09X
72	GY20-0119-0	GY20-0149		S/360 AUTOSPOT NUMERICAL CONTROL PROCESSOR: SYSTEM MANUAL, PROG. NO. 360A-CN-08X
79	GY20-0124-1			1400 AUTOCODER TO COBOL CONVERSION AID PROGRAM SYSTEM MANUAL PROGRAM NUMBER 360A-SE-19X
81	GY20-0126-2#			PROJECT CONTROL SYSTEM/360 VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CP-06X
79	GY20-0143-1			IBM SYSTEM/360 DOCUMENT PROCESSING SYSTEM SYSTEM MANUAL PROGRAM NUMBER 360A-CX-12X
74	GY20-0153-1			MEDICAL INFORMATION SYSTEM PROGRAMS (MISP) APPLICATION DESCRIPTION MANUAL PROGRAM NUMBER 360A-UH-08L
74	GY20-0154-1			MEDICAL INFORMATION SYSTEM PROGRAMS (MISP) PROGRAM DESCRIPTION MANUAL PROGRAM NUMBER 360A-UH-08L
74	GY20-0157-1	GN20-2274		MEDICAL INFORMATION SYSTEM PROGRAMS (MISP) OPERATIONS MANUAL PROGRAM NUMBER 360A-UH-08L
78	GY20-0168-0			SYSTEM/360 VEHICLE SCHEDULING PROGRAM SCHEDULING PRODUCTION AND DISTANCE LISTING SYSTEM MANUAL PROGRAM NUMBER 360A-ST-06X
79	GY20-0174-1#			SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM DOS (ATS/DOS) SYSTEM MANUAL PROGRAM NUMBER 360A-CX-18X
81	GY20-0204-1#			PROJECT MANAGEMENT SYSTEM/360 FLOWCHART SYSTEM MANUAL PROGRAM NUMBER 360A-CP-04X
82	GY20-0205-0	GY20-0481		MARVEL/360 SYSTEM MANUAL PROGRAM NUMBER 360A-CO-15X
73	GY20-0208-0			SYSTEM/360 TEXT PROCESSOR - HYPHENATION/360 SYSTEM MANUAL PROGRAM NUMBER 360A-DP-07X
63	GY20-0209-1			SYSTEM/360 1287 INPUT CONVERSION PROGRAM SYSTEM MANUAL PROGRAM NUMBER 360A-DR-07X
64	GY20-0213-0			STUDENT SCHEDULING SYSTEM/360 THE SCHEDULER PROGRAM (360A-US-07X) SYSTEM MANUAL
74	GY20-0215-1	GY20-0428		SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) SYSTEM MANUAL PROGRAM NUMBER 360A-UH-11X



72	GY20-0227-1#			SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSION 4 SYSTEM MANUAL - FLOWCHARTS PROGRAM NUMBER 360A-CN-10X
63	GY20-0230-1#			SYSTEM/360 WHOLESALE IMPACT PROGRAM LIBRARY SYSTEM MANUAL PROG. NOS. 360A-DW-05X (ABOVE MOD 20), 360V-DW-06X (MOD 20)
72	GY20-0256-0			SYSTEM/360 INVENTORY CONTROL SYSTEM MANUAL PROGRAM NUMBER 360A-MF-04X
82	GY20-0261-1#			SYSTEM/360 MATRIX LANGUAGE (MATLAN) SYSTEM MANUAL PROGRAM NUMBER 360A-CM-05X
25	GY20-0263-0			SYSTEM/360 DECISION LOGIC TRANSLATOR SYSTEM MANUAL PROGRAM NUMBER 360A-CX-32X
72	GY20-0267-0			SYSTEM/360 AD-APT/AUTOSPOT (OS) NUMERICAL CONTROL PROCESSOR (360A-CN-12X) SYSTEM MANUAL
82	GY20-0294-1			MATHEMATICAL PROGRAMMING SYSTEM/360 REPORT GENERATOR (MPSRG) SYSTEM MANUAL PROGRAM NUMBER 360A-CO-20X
36	GY20-0305-3			IBM SYSTEM/360 AND SYSTEM/370 ATTACHED SUPPORT PROCESSOR SYSTEM (ASP) VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 360A-CX-15X
65	GY20-0316-0	GN20-2126		RIGID FRAME SELECTION PROGRAM (RFSP): SYSTEM MANUAL VOLUME 1 PROG. NOS. 1130-EC-09X, 5734-EC1, 5736-EC1
72	GY20-0317-0			SYSTEM/360 REQUIREMENTS PLANNING SYSTEM MANUAL PROGRAM NUMBER 360A-MF-05X
73	GY20-0318-0			SYSTEM/360 TEXT PROCESSOR - COMPOSITION/360 VOLUME I - FLOWCHART NARRATIVES SYSTEM MANUAL PROGRAM NUMBER 360A-DP-08X
73	GY20-0319-0			SYSTEM/360 TEXT PROCESSOR -- COMPOSITION/360 VOLUME II -- FLOWCHARTS SYSTEM MANUAL PROGRAM NUMBER 360A-DP-08X
79	GY20-0320-0	GY20-0482		IBM SYSTEM/360 ADMINISTRATIVE TERMINAL SYSTEM-OS (ATS/OS) SYSTEM MANUAL PROGRAM NUMBER 360A-CX-19X
31	GY20-0345-0			SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS/OS) VOLUME I - FLOWCHART NARRATIVES SYSTEM MANUAL PROGRAM NUMBERS 360A-CX-26X, 360A-CX-27X
31	GY20-0346-0			SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS/OS) VOLUME II - FLOWCHARTS SYSTEM MANUAL PROGRAM NUMBERS 360A-CX-26X, 360A-CX-27X
31	GY20-0350-0			SYSTEM/360 PROBLEM LANGUAGE ANALYZER (PLAN) (DOS) VOLUME III - ASSEMBLY LISTINGS SYSTEM MANUAL PROGRAM NUMBER 360A-CX-26X
82	GY20-0353-0			MATHEMATICAL PROGRAMMING SYSTEM/360 VERSION 2 FLOWCHART SYSTEM MANUAL PROGRAM NUMBER 360A-CO-14X
72	GY20-0357-0			SYSTEM/360 APT NUMERICAL CONTROL PROCESSOR VERSION 4 ASSEMBLY LISTINGS: SYSTEM MANUAL PROGRAM NUMBER 360A-CN-10X
65	GY20-0364-0			SYSTEM/360 PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II) (OS) SYSTEM MANUAL-ASSEMBLY LISTINGS PROGRAM NUMBER 360A-EO-15X
65	GY20-0365-0			SYSTEM/360 PROGRAM FOR OPTICAL SYSTEM DESIGN/II (POSD/II) (DOS) SYSTEM MANUAL-ASSEMBLY LISTINGS PROGRAM NUMBER 360A-EO-16X
81	LY20-0369-1#	LN20-2268		CUSTOMER INFORMATION CONTROL SYSTEM OS-STANDARD (CICS/OS), (5736-U11), SYSTEM MANUAL, FEATURE CODE 8805
64	GY20-0372-1	GN20-2412		COURSEWRITER III FOR SYSTEM/360 VERSION 2 SYSTEM PROGRAMMER'S GUIDE PROGRAM NUMBER 360A-UX-01X
30	GY20-0394-0			PLAN GRAPHICS SUPPORT FOR THE IBM 2250 ON SYSTEM/360 (OS) SYSTEM MANUAL PROGRAM NUMBER 360A-CX-34X
82	GY20-0405-0			LINEAR PROGRAMMING SYSTEM/360 (LPS/360) SYSTEM MANUAL PROGRAM NUMBER 360A-CO-18X
82	LY20-0406-0			SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - OS SYSTEM MANUAL, PROG. NO. 5736-P72, FEATURE NO. 8101
82	LY20-0407-0			SYSTEM/360 ARRAY PROCESSING SUBROUTINE PACKAGE - PS SYSTEM MANUAL PROGRAM NUMBER 5736-P71 FEATURE CODE 8101
71	LY20-0415-0	LN20-2103	LN20-2537	ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 POLICY EXHIBIT UPDATE PROGRAM SYSTEM MANUAL PROGRAM NUMBER 5736-N11
71	LY20-0416-0	LY20-0522	LN20-2538	ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 VALUATION UPDATE PROGRAM SYSTEM MANUAL PROGRAM NUMBER 5736-N11
71	LY20-0417-0	LN20-2102 LN20-2539	LY20-0523	ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 POLICY MASTER RECORD FILE INVENTORY PROGRAM SYSTEM MANUAL (PROGRAM NUMBER: 5736-N11) (FEATURE CODE: 8811)
71	LY20-0418-0	LN20-2101 LN20-2540	LY20-0524	ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 FINANCIAL VALUE PROGRAM SYSTEM MANUAL (PROGRAM NUMBER: 5736-N11) (FEATURE CODE 8812)
71	LY20-0419-0	LY20-0525	LN20-2541	ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 VALUATION SUMMARY PROGRAM SYSTEM MANUAL (PROGRAM NUMBER 5736-N11) (FEATURE CODE 8813)
71	LY20-0420-0			ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 POLICY EXHIBIT BALANCE PROGRAM SYSTEM MANUAL PROGRAM NUMBER 5736-N11
71	LY20-0421-0	LY20-0526	LN20-2542	ADVANCED LIFE INFORMATION SYSTEM (DOS) VERSION 2 POLICY EXHIBIT AND VALUATION INCLUDE (R) AND CALL (S) ROUTINES SYSTEM MANUAL PROGRAM NUMBER 5736-N11
80	LY20-0422-1			SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM MANUAL VOLUME 1 PROGRAM NUMBER 5736-CX1 FEATURE CODE 8801
80	LY20-0423-1#			SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM/360 GENERALIZED INFORMATION SYSTEM SYSTEM MANUAL VOLUME II PROGRAM NUMBER 5736-CX1 FEATURE CODE 8803

80	**LY20-0424-1#			SYSTEM/360 GENERALIZED INFORMATION SYSTEM (BASIC) SYSTEM MANUAL VOLUME III PROGRAM NUMBER 5736-CX1
80	LY20-0425-0	LY20-0498	LY20-0572	SYSTEM/360 GENERALIZED INFORMATION SYSTEM SYSTEM MANUAL VOLUME 1 PROGRAM NUMBER 5736-CX1 FEATURE CODE 8802
80	LY20-0431-1	LN20-2342		INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360 SYSTEM MANUAL VOLUME I - PROGRAM LOGIC PROGRAM NUMBER 5736-CX3 FEATURE CODE 8801
80	LY20-0432-0	LN20-2346		INFORMATION MANAGEMENT SYSTEM/360 FOR THE IBM SYSTEM/360 SYSTEM MANUAL VOLUME II - FLOWCHARTS PROGRAM NUMBER 5736-CX3 FEATURE CODE 8802
30	LY20-0455-0			GRAPHIC ANALYSIS OF THREE-DIMENSIONAL DATA (GATD) SYSTEM MANUAL - VOLUME I PROGRAM NUMBER 5734-XX2 FEATURE CODE 8101
81	LY20-0456-0			PROJECT MANAGEMENT SYSTEM/360: VERSION 3, RESOURCE ALLOCATION PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 5734-XP1 FEATURE CODE 8104
81	LY20-0457-1#			PROJECT MANAGEMENT SYSTEM/360 VERSION 3 NETWORK PROCESSOR SYSTEM MANUAL, PROGRAM NUMBER: 5734-XP1 FEATURE CODE: 8101
81	LY20-0459-0			PROJECT MANAGEMENT SYSTEM/360: VERSION 3, COST PROCESSOR - SYSTEM MANUAL PROGRAM NUMBER 5734-XP1 FEATURE CODE 8102
81	LY20-0460-0			PROJECT MANAGEMENT SYSTEM/360 VERSION 3 FLOWCHART SYSTEM MANUAL PROGRAM NUMBER: 5734-XP1 FEATURE CODE: 8105
71	LY20-0461-0	LN20-2175	LN20-2264	PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) HOMEOWNERS PREMIUM PROCESSING PROGRAM DESCRIPTION AND SYSTEM MANUAL, PROG. NO. 5736-N21 FEATURE NO. 8001
71	LY20-0462-0			PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) HOMEOWNERS CLAIMS PROCESSING PROGRAM DESCRIPTION AND SYSTEM MANUAL PROGRAM NUMBER 5736-N21 FEATURE CODE 8002
81	LY20-0467-0	LY20-0548		PROJECT MANAGEMENT SYSTEM/360 VERSION 3: REPORT PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 5734-XP1 FEATURE CODE 8101
65	LY20-0473-0			RIGID FRAME SELECTION PROGRAM (RFSP) VOLUME 3 - COMPILATION LISTINGS SYSTEM MANUAL PROGRAM NUMBER 5734-EC1 FEATURE CODE 8501
65	LY20-0474-0			RIGID FRAME SELECTION PROGRAM (RFSP) VOLUME 4 - COMPILATION LISTINGS SYSTEM MANUAL PROGRAM NUMBER 5736-FC1 FEATURE CODE 8501
83	LY20-0475-0	LY20-0550		GENERAL PURPOSE SIMULATION SYSTEM/360 OS: VERSION 2 - SYSTEM MANUAL PROGRAM NUMBER 5734-XS1 FEATURE CODE 8151
70	LY20-0479-0			LAW ENFORCEMENT MANPOWER RESOURCE ALLOCATION SYSTEM (LEMTRAS) SYSTEM MANUAL VOLUME I (PROGRAM NUMBER 5736-G21 FEATURE CODE 8400)
74	LY20-0480-1			SHAS COMPATIBLE TELEPROCESSING SUPPORT FOR 2780, 2740, AND 1050 TERMINALS SYSTEM REFERENCE MANUAL PROGRAM PRODUCT 5736-H13, FEATURE CODE 8000
83	LY20-0483-0	LY20-0551		GENERAL PURPOSE SIMULATION SYSTEM/360 DOS VERSION 2 SYSTEM MANUAL PROGRAM NUMBER 5736-XS1 FEATURE CODE 8101
73	LY20-0489-0			SYSTEM/360 TEXT PROCESSOR -- EDIT/360 (DOS) SYSTEM MANUAL VOLUME I - FLOWCHART NARRATIVES PROGRAM NUMBER 5736-K11
73	LY20-0490-0			SYSTEM/360 TEXT PROCESSOR -- EDIT/360 (DOS) SYSTEM MANUAL VOLUME II - FLOWCHARTS PROGRAM NUMBER 5736-K11
64	LY20-0495-0	LN20-2344	LN20-2496	COURSEWRITER III FOR SYSTEM/360 (OS) VERSION 2 PROGRAMMER'S GUIDE PROGRAM NUMBER 5734-E12 FEATURE CODE 8000
63	LY20-0496-0	LY20-0806		SYSTEM/360 ORDER ALLOCATION SYSTEM SYSTEM MANUAL PROGRAM NUMBER 5736-D41
31	GY20-0504-0	GY20-0545		IBM SYSTEM/360 CONVERSATIONAL PROGRAMMING SYSTEM (CPS): PROGRAM LOGIC MANUAL PROGRAM NUMBER 360D-03.4.016
79	LY20-0509-0			IBM SYSTEM/360 OS LEARN ADMINISTRATIVE TERMINAL SYSTEM SYSTEM MANUAL PROGRAM NUMBER 5734-XX8 FEATURE CODE 8053
79	LY20-0510-0			IBM SYSTEM/360 DOS LEARN ADMINISTRATIVE TERMINAL SYSTEM SYSTEM MANUAL PROGRAM NUMBER 5736-XX3 FEATURE CODE 8054
72	LY20-0528-0			OS/360 INVENTORY CONTROL SYSTEM MANUAL PROGRAM NUMBER 5736-M52 FEATURE CODE 8011
23	GY20-0530-1			CALL-OS BASIC, SYSTEM MANUAL, PROG. NO. 360A-CX-44X
25	GY20-0531-1			CALL/360-OS FORTRAN SYSTEM MANUAL, PROG. NO. 360A-CX-46X
72	LY20-0535-0	LN20-2318		SYSTEM/360 CAPACITY PLANNING - INFINITE LOADING SYSTEM MANUAL PROGRAM NUMBER 5736-M11 FEATURE CODE 8021
72	LY20-0536-0	LN20-2317		SYSTEM/360 CAPACITY PLANNING-FINITE LOADING SYSTEM MANUAL PROGRAM NUMBER 5736-M12 FEATURE CODE 8022
72	LY20-0537-0			SYSTEM/360 REQUIREMENTS PLANNING INTERFACE SYSTEM MANUAL PROGRAM NUMBER 5736-M13
72	LY20-0543-0	LN20-2290		OS/360 REQUIREMENTS PLANNING SYSTEM MANUAL PROGRAM NUMBER 5734-M51
76	LY20-0546-0	LN20-2509		SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC UTILITY INDUSTRY POWER FLOW SYSTEM MANUAL - VOLUME III PROGRAM NUMBER 5736-U12 FEATURE CODE 8172
76	LY20-0553-1	LN20-2508	LN20-3000	SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR ELECTRIC UTILITY INDUSTRY - SHORT CIRCUIT SYSTEM MANUAL VOLUME II PROG. NO. 5736-U12
76	LY20-0554-0	LN20-2510		SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC UTILITY INDUSTRY TRANSIENT STABILITY SYSTEM MANUAL - VOLUME IV PROGRAM NUMBER 5736-U12 FEATURE CODE 8173

76	LY20-0555-1	LN20-2507		SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC UTILITY INDUSTRY ENGINEERING DATA MANAGEMENT SERVICES SYSTEM MANUAL - VOLUME I PROGRAM NUMBER 5736-U12 FEATURE CODE 8174
78	LY20-0559-1			TARIFF PUBLISHING SYSTEM (BOUND TARIFFS) SYSTEM MANUAL PROGRAM NUMBER 5736-T21, FEATURE CODE 8003
78	LY20-0560-0			TRAFFIC PROFILE ANALYSIS SYSTEM SYSTEM MANUAL PROGRAM NUMBER 5736-T22
74	LY20-0561-0			MEDICAL INFORMATION SYSTEMS PROGRAM (MISP) VERSION 2 SYSTEM MANUAL - PROGRAM PRODUCT 5736-H11 FEATURE CODE 8500
72	LY20-0565-0	LY20-0672		SYSTEM/360 SHOP FLOOR CONTROL 5736-M31 SYSTEM MANUAL
80	LY20-0566-1			IBM SYSTEM/360 DATA BASE ORGANIZATION AND MAINTENANCE PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 5736-XX4
29	GY20-0567-1	GN20-2786		CALL-OS PL/I SYSTEM MANUAL VOLUME I
29	GY20-0568-0	GN20-2787		CALL/360-OS PL/I SYSTEM MANUAL VOLUME II
29	GY20-0569-0			CALL/360-OS PL/1 SYSTEM MANUAL VOLUME III PROGRAM NUMBER 360A-CX-42X
29	GY20-0570-1	GN20-2788		CALL/360 OS PL/I SYSTEM MANUAL VOLUME 4
31	GY20-0575-1	GN33-9134	**GN33-9168	IBM SYSTEM/360 DOS POWER II, SYSTEM MANUAL PROGRAM NUMBER 360D-05.2.006
38	GY20-0576-2	GN33-9133	**GN33-9169	DOS POWER II/RJE SYSTEM MANUAL, PROG. NO. 360D-05.2.006
63	LY20-0579-0			SYSTEM/360 AGRIBUSINESS MANAGEMENT INFORMATION SYSTEM SYSTEM MANUAL FEATURE CODE 8012 PROGRAM NUMBER 5736-D51
71	LY20-0587-1			PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) ADDITIONAL FILE FACILITY: SYSTEMS REFERENCE MANUAL, PROGRAM NUMBER 5736-N22, FEATURE CODE 8007
36	GY20-0590-2			CP-67/CMS VERSION 3.1: CP-67 PROGRAM LOGIC MANUAL, PROG. NO. 360D-05.2.005
36	GY20-0591-1	GN20-2503	GN20-2621	CP-67/CMS VERSION 3.1: CMS PROGRAM LOGIC MANUAL, PROG. NO. 360D-05.2.005
30	LY20-0595-0	LN20-2464		IBM SYSTEM/360 FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL-LOW CORE (FASTER LC) 5736-G22 SYSTEM MANUAL
83	LY20-0596-0	LN20-2280	LN20-3005	GENERAL PURPOSE SIMULATION SYSTEM V-OS (GPSS V-OS) SYSTEM MANUAL, PROG. NO. 5734-XS2, FEATURE NO. 8046
35	GY20-0597-0	LN20-3050		COMPATIBILITY OPERATING SYSTEM FOR EMULATION OF IBM 1410/7010 DATA PROCESSING SYSTEMS OPERATING ON IBM SYSTEM/360 MODEL 50 (COS/50) (360D-11.1.025) PROGRAM LOGIC MANUAL
36	GY20-0599-0			THE REAL-TIME MONITOR (RTM) SYSTEM MANUAL, PROGRAM NUMBER 360A-SV-001
30	LY20-0601-0	LN20-2398	LN20-2477	DATA/360 - DOS SYSTEM MANUAL PROGRAM NUMBER 5736-XS2, FEATURE CODE 8018
83	LY20-0602-0	LN20-2279	LN20-3049	GENERAL PURPOSE SIMULATION SYSTEM V - DOS SYSTEM MANUAL, PROG. NO. 5736-XS3, FEATURE NO. 8049
81	LY20-0604-0			CUSTOMER INFORMATION CONTROL SYSTEM, OS-STANDARD (CICS/OS) (5736-U11), LANGUAGE AND TERMINAL (L/T) FEATURE SYSTEM MANUAL, FEATURE CODE 8060
67	LY20-0606-0			SYSTEM/360 FINANCIAL TERMINAL SYSTEM SYSTEM MANUAL, VOLUME I: FLOWCHART NARRATIVES PROGRAM NUMBER 5736-F12, FEATURE CODE 8026
67	LY20-0607-0			SYSTEM/360 FINANCIAL TERMINAL SYSTEM SYSTEM MANUAL VOLUME II: FLOWCHARTS PROGRAM NUMBER 5736-F12 FEATURE CODE 8026
25	LY20-0608-0			FORTRAN CONVERSION AID PROGRAM (SYSTEM MANUAL, PROGRAM NUMBER 5799-AAJ, FEATURE CODE 8001, REFERENCE NUMBER FA1287
81	LY20-0609-0			PROJECT MANAGEMENT SYSTEM IV (PMS IV) PROGRAM NUMBER 5734-XP4, FEATURE NUMBER 8074
81	LY20-0610-0			COST PROCESSOR SYSTEM MANUAL PROJECT MANAGEMENT SYSTEM IV (PMS IV) PROGRAM NUMBER 5734-XP4 - FEATURE NUMBER 8071
81	LY20-0611-0			NETWORK PROCESSOR SYSTEM MANUAL PROJECT MANAGEMENT SYSTEM IV (PMSIV) RESOURCE ALLOCATION PROCESSOR SYSTEM MANUAL PROGRAM NUMBER 5734-XP4, FEATURE CODE 8077
81	LY20-0612-0	LN20-2757	LN20-3079	PROJECT MANAGEMENT SYSTEM IV (PMS IV) PROGRAM NUMBER 5734-XP4 - FEATURE NUMBER 8068
81	LY20-0613-0			REPORT PROCESSOR SYSTEM MANUAL PROJECT MANAGEMENT SYSTEM IV (PMSIV) COST PROCESSOR FLOWCHART MANUAL PROGRAM NUMBER 5734-XP4, FEATURE CODE 8075
81	LY20-0614-0			PROJECT MANAGEMENT SYSTEM IV (PMSIV) NETWORK PROCESSOR FLOWCHART MANUAL PROGRAM NUMBER 5734-XP4, FEATURE CODE 8072
81	LY20-0615-0			PROJECT MANAGEMENT SYSTEM IV (PMSIV) RESOURCE ALLOCATION PROCESSOR FLOWCHART MANUAL PROGRAM NUMBER 5734-XP4, FEATURE CODE 8078
81	LY20-0616-0			PROJECT MANAGEMENT SYSTEM IV (PMSIV) REPORT PROCESSOR FLOWCHART MANUAL PROGRAM NUMBER 5734-XP4, FEATURE CODE 8069
63	LY20-0621-1#			CONSUMER GOODS SYSTEM (COGS), FORECASTING (OS), SYSTEM MANUAL, PROGRAM NUMBER 5734-D33
63	LY20-0622-0			CONSUMER GOODS SYSTEM (COGS) ALLOCATION (OS) SYSTEM MANUAL PROGRAM NUMBER 5734-D32
73	LY20-0623-0			SYSTEM/360 TEXT PROCESSOR PAGINATION/360, SYSTEM MANUAL, VOLUME I - FLOWCHART NARRATIVES - PROGRAM NUMBER 5736-K12, FEATURE CODE 8010
73	LY20-0624-0			SYSTEM/360 TEXT PROCESSOR PAGINATION/360, SYSTEM MANUAL, VOLUME II - FLOWCHARTS - PROGRAM NUMBER 5736-K12, FEATURE CODE 8011
67	LY20-0628-0	LN20-2448		SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM SYSTEM MANUAL - PROGRAM NUMBER 5736-F32 FEATURE NUMBER 8033

80	LY20-0629-3	LN20-2909 LN20-9009	LN20-2919 LN20-9015	INFORMATION MANAGEMENT SYSTEM/360, VERSION 2 PROGRAM NUMBER 5734-XX6 SYSTEM MANUAL - LOGIC VOLUME I, FEATURE CODE 8080
80	LY20-0630-3# LY20-0630-2#			INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, VOLUME 2, SYSTEM MANUAL (FLOWCHARTS), MICROFICHE PROGRAM NUMBER 5734-XX6, FEATURE CODE 8081
81	LY20-0634-0			DISPLAY MANAGEMENT SYSTEM, SYSTEM MANUAL PROGRAM NUMBER 5734-XC1, FEATURE CODE 8005
24	LY20-0635-0			CONTROL PROGRAM-67 ONLINE COBOL SYMBOLIC DEBUG PROGRAMMING RPQ: SYSTEM MANUAL, PROG. NO. 5799-AAE FEATURE NO. 8006
30	LY20-0638-0	LN20-2444	LN20-2556	DATA/360-OS SYSTEM MANUAL PROGRAM NUMBER 5734-XS3, FEATURE CODE 8087
82	LY20-0640-0			MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MIXED INTEGER PROGRAMMING (MIP) - SYSTEM MANUAL PROGRAM NUMBER 5734-XM4, FEATURE NUMBER 8056
82	LY20-0641-0			MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX), MIXED INTEGER PROGRAMMING (MIP) FLOWCHART MANUAL, PROGRAM NUMBER 5734-XM4, FEATURE CODE 8057
82	LY20-0642-0			MATHEMATICAL PROGRAM SYSTEM EXTENDED (MPSX) FLOWCHART MANUAL PROGRAM NUMBER 5734-XM4, FEATURE CODE 8055
82	LY20-0646-1			MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) SYSTEM MANUAL, PROGRAM NUMBER 5734-XM4, FEATURE CODE 8056
74	LY20-0655-0			SHARED LABORATORY INFORMATION SYSTEM (SLIS) SYSTEM MANUAL PROGRAM PRODUCT 5736-H12
70	LY20-0656-0	LN20-2421		IBM SYSTEM/360 BASIC COURTS SYSTEM, SYSTEM MANUAL PROGRAM NUMBER 5736-G26
83	LY20-0661-0	LN20-2348		COMPUTER SYSTEM SIMULATOR II (CSS II), SYSTEM MANUAL PROGRAM NUMBER 5734-XS5, FEATURE CODE 8035
78	LY20-0663-2	LN20-3124		FARE QUOTE/TICKETING FUNCTIONAL SPECIFICATION PROGRAM NUMBER 5736-T11
78	LY20-0664-1	LN20-3126		FARE QUOTE/ISSUE TICKET PROGRAM AND PACKAGE SPECIFICATIONS PROGRAM NUMBER 5736-T11 (SEE ALSO "TARIFF MAINTENANCE" PROG. NO. 5736-T11)
78	LY20-0665-1	LN20-3127		TARIFF MAINTENANCE PROGRAM AND PACKAGE SPECIFICATIONS PROGRAM NUMBER 5736-T11 (SEE ALSO "FARE QUOTE/TICKETING" PROG. NO. 5736-T11)
78	LY20-0666-1	LN20-3125		FARE QUOTE/TICKETING DATA/MACRO SPECIFICATION PROGRAM NUMBER 5736-T11
82	LY20-0671-0			PROCEDURE LIBRARY - MATHEMATICS (PL-MATH) SYSTEM MANUAL PROGRAM NUMBER 5734-XM3 FEATURE NUMBER 8051
81	LY20-0674-0			MINIPERT SYSTEM MANUAL, FEATURE NUMBER 8086 PROGRAM NUMBER 5734-XP3
22	LY20-0678-1			APL/360-OS AND APL/360-DOS SYSTEM MANUAL FEATURE NUMBERS 8091, 8034 PROGRAM NUMBERS 5734-XM6, 5736-XM6
64	**LY20-0679-2			COURSEWRITER III, VERSION 3 DISK OPERATING SYSTEM SYSTEM PROGRAMMER'S GUIDE - PROGRAM NUMBER 5736-E11
71	LY20-0681-0	LN20-2906		CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII) SYSTEM MANUAL - VOLUME I - PROGRAM NUMBER 5736-N13
71	LY20-0682-1#			CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME II - PROGRAM NUMBER 5736-N13
71	LY20-0683-1#			CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME III - PROGRAM NUMBER 5736-N13
71	LY20-0684-0	LN20-2903		CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME IV - PROGRAM NUMBER 5736-N13
71	LY20-0685-1			CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME V - PROGRAM NUMBER 5736-N13
71	LY20-0686-0	LN20-2907		CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME VI - PROGRAM NUMBER 5736-N13
71	LY20-0687-0	LN20-2908		CONSOLIDATED FUNCTIONS ORDINARY SYSTEM II (CFOII), SYSTEM MANUAL - VOLUME VII - PROGRAM NUMBER 5736-N13
64	LY20-0691-1			COURSEWRITER III/OS VERSION 3 SYSTEM PROGRAMMERS GUIDE PROG. NO. 5734-E13
65	LY20-0692-0			ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR THE IBM OPERATING SYSTEM AND 1130 COMPUTING SYSTEM - SYSTEM MANUAL FEATURE NUMBER 8095 - PROGRAM NUMBERS 5734-EE1, 5711-EE1
76	LY20-0693-0	LN20-2511	LN20-2995	SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC UTILITY INDUSTRY, POWER FLOW OUTPUT AND CAPACITY FEATURE SYSTEM MANUAL, VOLUME V - PROGRAM NUMBER (5736-U12)
67	LY20-0694-1	**LN20-3159	**LN20-3310	BROKERAGE ACCOUNTING SYSTEM ELEMENTS (BASE) VERSION 2 SYSTEM MANUAL - PROGRAM NUMBER 5736-F31, FEATURE 8005
80	LY20-0696-0	LN20-2599 **LN20-9028	LN20-2898	GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL VOLUME 1 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8115
80	LY20-0697-0	LN20-2598 LN20-9024	LN20-2894	GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL VOLUME 2 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8116
80	LY20-0698-0	LN20-2597 LN20-9029	LN20-2897	GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL VOLUME 3 - PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8117
80	LY20-0699-0			IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE ARITHMETIC STATEMENT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8125
80	LY20-0700-0			IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE TELEPROCESSING SUPPORT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8123
80	LY20-0701-0			IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE CONTROL STATEMENT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8124
80	LY20-0702-0			IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE PROCESSING STATEMENT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8126
80	LY20-0703-0	**LN20-2596		IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE FORMAL REPORT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8119

80	LY20-0704-0	LN20-2595	LN20-9026	IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE HIERARCHIC FILE SUPPORT FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8120
80	LY20-0705-0	LN20-2593		IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE FILE UPDATE AND CREATE FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8118
80	LY20-0706-0			IBM GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE UTILITY FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8121
80	LY20-0707-0	LN20-2892		IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE EDIT AND ENCODE FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8122
80	LY20-0708-0	LN20-2594		IBM GENERALIZED INFORMATION SYSTEM VOLUME 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE FILE MODIFY FEATURE PROGRAM NUMBER 5734-XX1 FEATURE NUMBER 8127
81	LY20-0710-1			PLANNING SYSTEMS GENERATOR II (PSG II) LOGIC MANUAL PROGRAM NUMBER 5734-XT1 FEATURE NUMBER 8114
81	LY20-0712-2	LN20-9039		CUSTOMER INFORMATION CONTROL SYSTEM FEATURE NUMBER 8030 (DOS-ENTRY) LOGIC MANUAL - PROGRAM NUMBER 5736-XX6
81	LY20-0713-2	LN20-9041		CUSTOMER INFORMATION CONTROL SYSTEM (CICS) LOGIC MANUAL PROGRAM NUMBER 5736-XX7 (DOS-STANDARD) FEATURE NUMBER 8031
81	LY20-0714-3#	LN20-9040		CUSTOMER INFORMATION CONTROL SYSTEM (CICS) OPERATING SYSTEM STANDARD VERSION 2 - FEATURE NUMBER 8142 - LOGIC MANUAL PROGRAM NUMBER 5734-XX7
30	LY20-0716-1#	LN20-3063		IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL - MULTITHREAD (DOS FASTER MT) - SYSTEM MANUAL - PROGRAM NUMBER 5736-G24
63	LY20-0717-0			IBM FASHION REPORTER PROGRAM PRODUCT SYSTEM MANUAL PROGRAM NUMBER 5736-D11
76	LY20-0726-0	LN20-2996		SYSTEM/360 POWER SYSTEM PLANNING (PSP) FOR THE ELECTRIC UTILITY INDUSTRY SHORT CIRCUIT R0 FEATURE - SYSTEM MANUAL VOLUME VI, FEATURE 8103 - PROGRAM NUMBER 5736-U12
79	LY20-0728-1			STAT/BASIC FOR INTERACTIVE TERMINAL FACILITY LOGIC MANUAL FEATURE NUMBER 8100 - PROGRAM NUMBER 5734-XA3
72	LY20-0729-0			OS REQUIREMENTS PLANNING EXTENSIONS (PROGRAMMING RPQ EA6264) - SYSTEM MANUAL - PROG. NO. 5799-AAV
80	LY20-0733-0			BILL PROCESSOR SYSTEMS - IMS/360 BRIDGE, SYSTEM MANUAL PROGRAM NUMBER 5734-XX9
36	GY20-0738-0			OS/MVT WITH RESOURCE SECURITY - LOGIC MANUAL PROGRAM NUMBER 360A-SV-007 TYPE 1 EXTENSION
73	LY20-0743-1			AN APL (OS OR DOS) TEXT EDITOR AND COMPOSER: SYSTEM GUIDE PROG. NO. 5796-PAC, FEATURE NO. 8009
81	LY20-0746-1#			APL/PDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM SYSTEM GUIDE - IUP NO. 5796-PAD
78	LY20-0749-0			FLIGHT DATA DISPLAY SYSTEM FUNCTIONAL SPECIFICATIONS, IUP PROG. NO. 5796-PAE
78	LY20-0750-0			FLIGHT DATA DISPLAY SYSTEM PACKAGE/PROGRAM SPECIFICATIONS IUP PROGRAM NO. 5796-PAE
78	LY20-0751-0			FLIGHT DATA DISPLAY SYSTEM DATA/MACRO/FILE SPECIFICATIONS IUP PROGRAM NO. 5796-PAE
76	LY20-0755-0			LOADFLOW PLOTTING SYSTEM, VARIBUS CORPORATION, A GULF STATES UTILITIES COMPANY SYSTEMS GUIDE - IUP NUMBER 5796-AAF
39	**LY20-0757-2			S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING MUSIC RELEASE II SYSTEM GUIDE - IUP NUMBER 5796-AAT
80	LY20-0758-1#	LN20-3057	LN20-2709	DATA DICTIONARY/DIRECTORY SYSTEM WITH DATA ELEMENT GLOSSARY SYSTEM GUIDE - IUP NUMBER 5796-PAG
71	LY20-0761-0			CONSOLIDATED FUNCTIONS EQUITY PRODUCTS VARIABLE ANNUITIES, MUTUAL FUNDS DATAMANN, INC. - SUBSIDIARY OF HORACE MANN EDUCATORS SPRINGFIELD, ILLINOIS - SYSTEMS GUIDE PROGRAM NUMBER 5796-AAP
73	LY20-0762-0			SCRIPT/370 SYSTEM GUIDE - IUP NUMBER 5796-PAF
72	LY20-0763-0	LN20-2705	LN20-3175	CYCLE-TIME SIMULATOR SYSTEM SYSTEMS GUIDE IUP NUMBER 5796-PBG
82	LY20-0764-0			ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) REFERENCE GUIDE - IUP NUMBER 5796-PBH
82	LY20-0765-0			ADVANCED STATISTICAL ANALYSIS PROGRAM (ASTAP) - LOGIC MANUAL PROGRAM NUMBER 5796-PBH
63	LY20-0766-0			IBM WAREHOUSE SIMULATOR SYSTEMS GUIDE - IUP NUMBER 5796-PBK
72	LY20-0767-0			IBM MULTIPLANT SOURCING SYSTEM GUIDE - IUP NUMBER 5796-PBL
67	LY20-0769-0			DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK AND TRUST COMPANY ROCKY MOUNT, NORTH CAROLINA SYSTEM GUIDE - PROG. NO. 5796-ABL
67	LY20-0770-0			DEMAND DEPOSIT ACCOUNTING WITH OVERDRAFT BANKING SYSTEM/360-370 DOS - THE PLANTERS NATIONAL BANK AND TRUST COMPANY ROCKY MOUNT, NORTH CAROLINA USER'S GUIDE - PROG. NO. 5796-ABL
80	LY20-0771-0			DATA BASE DESIGN EVALUATION (DBPROTOTYPE) PROGRAM SYSTEM GUIDE - IUP NUMBER 5796-PBB
80	LY20-0772-0			PROGRAMMING LANGUAGE FOR IMS-PLIMS SYSTEM GUIDE - IUP NUMBER 5796-PBF
80	LY20-0773-0			IMSMAP - DATA BASE MAPPING PROGRAMS SYSTEM GUIDE - IUP NUMBER 5796-PBC
80	LY20-0774-0			BTS (BATCH TERMINAL SIMULATOR) SYSTEMS GUIDE - IUP NUMBER 5796-PBD
80	LY20-0775-0			TEST IMS UTILITIES PROGRAM SYSTEMS GUIDE - IUP NUMBER 5796-PBE
63	LY20-0776-0			JAMES ALLAN & SONS - ON-LINE ORDER SYSTEM - SYSTEMS GUIDE PROGRAM NUMBER 5796-ABK
75	LY20-0778-0			MULTICOLUMN DISTILLATION PROGRAM SYSTEMS GUIDE - IUP NUMBER 5796-PAH
64	LY20-0779-0			S/360/370 FILM LIBRARY MANAGEMENT SYSTEM (FLMS) SYSTEMS GUIDE - IUP NUMBER 5796-ACW

30	LY20-0787-1#			IBM OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL MULTITHREAD (OS FASTER MT) - LOGIC MANUAL - PROGRAM NUMBER 5734-G21 - FEATURE CODE 8059
71	LY20-0788-0			PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) AUTOMOBILE ENHANCEMENTS - PROGRAM NUMBER 5736-N24
70	LY20-0792-1			SYSTEM REFERENCE MANUAL
67	LY20-0793-0			BUDGET ACCOUNTING INFORMATION SYSTEM (BACIS) FOR PUBLIC INSTITUTIONS - LICENSED PROGRAM PRODUCT MANUAL
32	GY20-0795-0	GN20-2783		PROGRAM NUMBER 5736-G25
32	GY20-0796-0			MARKETABLE SECURITIES INVENTORY SYSTEM - LOGIC MANUAL
32	GY20-0797-0	GN20-2784		PROGRAM NUMBER 5799-ABY
32	GY20-0798-0			CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 1
71	LY20-0800-0	LN20-2992		PROGRAM NUMBER 360A-CX-42X
82	LY20-0804-0	LN20-3075	LN20-2849	CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL - VOLUME 2
81	LY20-0808-1			PROGRAM NUMBER 360A-CX-42X
80	LY20-0809-0	LN20-9027		CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 3
79	LY20-0819-1	LN20-3154		PROGRAM NUMBER 360A-CX-42X
79	LY20-0820-0	LN20-3069	LN20-3153	CALL-OS EXECUTIVE AND UTILITIES SYSTEM MANUAL VOLUME 4
79	LY20-0821-1			PROGRAM NUMBER 360A-CX-42X
30	LY20-0823-0	LN20-2991		PROPERTY AND LIABILITY INFORMATION SYSTEM (PALIS) HOME OWNERS ENHANCEMENTS - SYSTEM REFERENCE MANUAL
67	LY20-0825-1	**LN20-3245		FEATURE NUMBER 8105 - PROGRAM NUMBER 5736-N25
82	LY20-0826-0			MATH/BASIC FOR SYSTEM/3 MODEL 6, ITF, AND VM/370-CMS: LOGIC MANUAL, PROG. NOS. 5703-XM2 (SYSTEM/3) AND 5734-XM8 (ITF AND VM/370-CMS); FEATURE NOS. 8017, 8153
67	**LY20-0827-1			PLANNING SYSTEMS GENERATOR II (PSG II) DOS LOGIC MANUAL
80	LY20-0829-0	LN20-2875		PROGRAM NUMBER 5736-XT1
64	LY20-0835-1			GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) SYSTEM MANUAL SUPPLEMENT FOR THE PL/I QUERY SUPPORT FEATURE
64	LY20-0837-0	LN20-3072		PROGRAM NUMBER 5734-XX1
82	LY20-0840-0	LN20-3073		INTERACTIVE TRAINING SYSTEM LOGIC MANUAL VOLUME 1 (BASIC)
30	LY20-0842-1	LN20-3206	LN20-3247	INTERACTIVE TRAINING SYSTEM LOGIC MANUAL
74	LY20-0845-0	**LN20-3263		VOLUME 2: FLOWCHARTS - PROG. NO. 5734-XXC
64	LY20-0848-1			INTERACTIVE TRAINING SYSTEM COURSE STRUCTURING FEATURE
64	LY20-0851-1			LOGIC MANUAL
71	LY20-0859-1			DATA/360 - II LOGIC MANUAL - PROGRAM NUMBER 5734-XS8
72	**LY20-0862-0			SECURITIES ORDER MATCHING LOGIC MANUAL FEATURE NUMBER 8113
72	**LY20-0863-0			PROGRAM NUMBER 5734-F32
72	SY20-0864-0			MPSX AND GENERALIZED UPPER BOUNDING LOGIC MANUAL - PROGRAM NUMBER 5734-XM4
81	LY20-0866-0			CHECK PROCESSING CONTROL SYSTEM (CPCS)
81	LY20-0870-0			LOGIC MANUAL - PROG. NO. 5734-F11
80	LY20-0921-0			INTERACTIVE QUERY FACILITY (IQF) TO IMS/360 SYSTEM MANUAL
72	LY20-0923-0			VOLUME V - PROGRAM NUMBER 5736-XX6
63	LY20-0924-0			EPIC: SOCRATES STUDENT SCHEDULING FOR EDUCATIONAL SYSTEMS
78	**LY20-0925-0			INSTITUTIONS - LOGIC MANUAL - PROG. NO. 5735-E9
67	LY20-0926-0			EPIC: BUDGET/FINANCE LOGIC MANUAL - PROGRAM NUMBER 5735-E93
80	LY20-0931-0			BUSINESS ANALYSIS/BASIC LOGIC MANUAL, PROG. NOS. 5703-XM3
37	LY20-0932-0			(SYSTEM/3 MODEL 6) AND 5734-XMB (ITF-OS/DOS/TSO, VM/370-CMS)
63	**LY20-0936-0			TELECOMMUNICATIONS CONTROL SYSTEM (TCS) LOGIC MANUAL FEATURE
80	LY20-0937-0			NUMBER 8112 - PROGRAM NUMBER 5734-F31
78	**LY20-0938-0			HEALTH CARE SUPPORT/ELECTROCARDIOGRAM (ECG) ANALYSIS
73	**LY20-0940-0			PROGRAM LOGIC MANUAL - PROG NOS. 5734-H11 (OS, OS/V5)
				5736-H15 (DOS, DOS/V5)
				EPIC:FAST STUDENT TESTING SYSTEM FOR EDUCATIONAL
				INSTITUTIONS LOGIC MANUAL - PROGRAM NUMBER 5735-E92
				EPIC: STUDENT RECORD SYSTEM FOR EDUCATIONAL INSTITUTIONS
				LOGIC MANUAL - PROGRAM NUMBER 5735-E94
				ALPHA SEARCH INQUIRY SYSTEM LOGIC MANUAL - PROGRAM PRODUCT
				5736-N14
				SYSTEM/370 APT-AC NUMERICAL CONTROL PROCESSOR LOGIC MANUAL
				VOLUME 1 - PROG. NO. 5740-M53
				S/370 APT-IC NUMERICAL CONTROL PROCESS LOGIC
				MANUAL - PROGRAM NUMBER 5740-M52
				SYSTEM/370 APT-BP NUMERICAL CONTROL PROCESSOR LOGIC MANUAL
				PROGRAM NUMBER 5740-M51
				CREDIT MANAGEMENT SYSTEM LOGIC MANUAL - PROGRAM NUMBER
				5799-ADF
				DISPLAY MANAGEMENT SYSTEM II (DMS II) OS/V5 LOGIC MANUAL
				PROGRAM NUMBER 5734-XC4
				RESPONSIBILITY ACCOUNTING SYSTEM THE PHILADELPHIA NATIONAL
				BANK SYSTEM GUIDE - IUP NUMBER 5796-ACA
				GENERALIZED CREATE/REORGANIZE UTILITY SYSTEM FOR S/370
				EASTMENT KODAK SYSTEMS GUIDE - IUP NUMBER 5796-ACZ
				DISTRIBUTION ORDER ENTRY SYSTEM IAG DRUG COMPANY CHICAGO,
				ILLINOIS SYSTEM GUIDE - PROGRAM NUMBER 5796-ABT
				FREIGHT BILL AUDIT AND RATING SYSTEM - SYSTEMS GUIDE
				PROG. NO. 5796-AEJ
				MICR OS TRANSIT SYSTEM SYSTEM/370 OS THE INDIANA NATIONAL
				BANK, INDIANAPOLIS, INDIANA SYSTEMS GUIDE - PROGRAM NUMBER
				5796-ADG
				3270 FORMATTING FEATURE FOR BTS, IUP 5796-PBD, SYSTEM
				GUIDE (FEATURE 8073)
				TEST DATA GENERATOR SYSTEMS GUIDE PROGRAM NO. 5796-PBP
				FEATURE NUMBER 8064
				DISTRIBUTION ORDER ENTRY SYSTEM FOR SYSTEM 360/370
				WITH 3270's 3340 SUPPORT IUP 5796-ABT, SYSTEM GUIDE
				DATA COMMUNICATIONS ANALYZER (DCANALYZER)
				PROGRAM NUMBER 5796-PCA
				FREIGHT BILL AUDIT & RATING SYSTEM USERS GUIDE
				PROG. NO. 5796-AEJ
				TERMTEXT/FORMAT SYSTEM GUIDE - PROG. NO. 5796-PBR
				FEATURE NUMBER 8070

39	LY20-1200-0			CPS UNDER TSO LOGIC MANUAL (PRPQ) - PROGRAM NUMBER 5799-ADY
81	LY20-2006-0			CREDIT MANAGEMENT SYSTEM II LOGIC MANUAL
				PROD. NO. 5799-AHJ
81	LY20-2007-0			PLANNING SYSTEMS GENERATOR ON VM/370 (PSG/CMS): LOGIC MANUAL
				PROG. NO. 5748-XT1
79	LY20-2009-0			INTERACTIVE TRAINING SYSTEM EXPANDED COURSE STRUCTURING
				FEATURE LOGIC MANUAL PROGRAM NUMBER 5734-XXC
72	**LY20-2013-0			IBM SYSTEM/370 MACHINING AND DISPLAY APPLICATION PROGRAM
				(MDAP) FOR IBM 5175 DIRECT NUMERICAL CONTROL STATION OS/V
				LOGIC MANUAL, PROG. NO. 5740-XN2
72	**LY20-2014-0			IBM SYSTEM/370 MACHINING & DISPLAY APPLICATION PROGRAM
				(MDAP) FOR IBM 5275 DIRECT NUMERICAL CONTROL STATION
				LOGIC MANUAL - PROG. NOS. 5746-XN2 (DOS/V)
74	**LY20-2016-0			HEALTH CARE SUPPORT/DATA COMMUNICATIONS PROGRESS LOGIC
				MANUAL PROGRAM NUMBER 5746-H13
74	**LY20-2017-0			HEALTH CARE SUPPORT/LABORATORY INFORMATION
				SYSTEM - REPORTING LOGIC MANUAL PROGRAM NUMBERS 5746-H12
74	**LY20-2018-0			HEALTH CARE SUPPORT/ACCOUNTING SYSTEM BASE PROGRAM -
				LOGIC MANUAL PROGRAM NUMBER 5746-H14
74	**LY20-2019-0			HEALTH CARE SUPPORT/ACCOUNTING SYSTEM VERSION 1 ACCOUNTING
				APPLICATION FEATURE LOGIC MANUAL - PROG. PROD. 5746-H14
81	**LY20-2020-0			PLANNING SYSTEMS GENERATOR UNDER THE OS/V2 TIME SHARING
				OPTION (PSG/TSO) LOGIC MANUAL - PROG. NO. 5740-XT1
80	**LY20-8004-0	**LN20-8021	**LN20-8022	INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/V)
				SYSTEM MANUAL - VOLUME I - NARRATIVE - PROG. NO. 5740-XX2
80	**LY20-8005-0			INFORMATION MANAGEMENT SYSTEM/VIRTUAL STORAGE (IMS/V)
				SYSTEM MANUAL VOLUME II - FLOWCHARTS PROG. NO. 5740-XX2
81	**LY20-8006-0			CUSTOMER INFORMATION CONTROL SYSTEM/OPERATING
				SYSTEM/VIRTUAL STORAGE (CICS/OS/V)
				PROGRAM LOGIC MANUAL
81	**LY20-8007-0			CUSTOMER INFORMATION CONTROL SYSTEM/VIRTUAL STORAGE
				(CICS/V)
				PROGRAM LOGIC MANUAL - PROG. NO. CICS/DOS/V
				5746-XX3
36	GY20-8500-0			IBM SYSTEM/370 DISTRIBUTED SYSTEM PROGRAM - PROGRAM LOGIC
				MANUAL - PROGRAM NUMBER 360A-TX-032
25	GY21-0001-0			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT
				FORTRAN IV (16K CARD) PROGRAM LOGIC MANUAL
				PROGRAM NUMBER 360P-FO-205
32	GY21-0004-1#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT DISTRIBUTION
				PROGRAM, PROGRAM NUMBER 360P-UT-208
28	LY21-0014-1	LN21-5163	LN21-5183	IBM DOS RPG II LANGUAGE PROGRAM LOGIC MANUAL
		LN28-1041	LN28-1052	PROGRAM NUMBER 5736-RG1
32	LY21-0021-0	LN21-5126	LN21-5179	IBM SYSTEM/360 IBM 1288 BASIC UNFORMATTED READ SYSTEM
		LN21-5199		PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-UT1
32	LY21-0022-0	LN21-5167		IBM 1288 BASIC UNFORMATTED READ SYSTEM (MFT/MVT/V1/V2):
				LOGIC MANUAL, PROG. NO. 5734-UT3
35	LY24-3606-0	LN33-7043	**LN33-7056	IBM EMULATOR FOR HONEYWELL SERIES 200 ON SYSTEM/370 USING
				DOS PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5799-ADT
35	LY24-3607-0	LN33-7044	**LN33-7057	IBM EMULATOR FOR RCA 301 ON SYSTEM/370 USING DOS PROGRAM
				LOGIC MANUAL - PROGRAM NUMBER 5799-ADR
21	GY24-5000-1	GY33-8525	GN33-8622	IBM SYSTEM/360 BASIC OPERATING SYSTEM DISK ASSEMBLER
				PROGRAM NUMBER 360B-AS-309
33	GY24-5001-0			IBM BASIC OPERATING SYSTEM/360 (8K DISK) SORT/MERGE
				PLM - PROG. NO. 360B-SM-308
36	GY24-5002-0	GY33-8531	GY33-8519	IBM BASIC OPERATING SYSTEM/360 SYSTEM CONTROL (8K DISK)
		GY24-5076	GY24-5062	PROGRAM NUMBER 360B-CL-302
		GY24-5031	GY24-5044	PROGRAM LOGIC MANUAL
		GY24-5061		
30	GY24-5003-1	GY33-8524	GY24-5077	BOS LOGICAL IOCS, PROG. NOS. 360B-IO-303, -304, -305
28	GY24-5005-1#			IBM SYSTEM/360 BASIC OPERATING SYSTEM REPORT PROGRAM
				GENERATOR (8K DISK) PROGRAM NUMBER 360B-RG-307
30	GY24-5007-1#			BPS INPUT OUTPUT CONTROL PROGRAM: PLM, PROG. NO. 360P-IO-060
				(1231-N1), -059 (1418/1428), -058 (1412/1419)
24	GY24-5009-2#			IBM SYSTEM/360 OPERATING SYSTEM COBOL-E
				PROGRAM NUMBER 360S-CO-503
36	GY24-5010-1#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT
				BASIC TAPE SYSTEM SYSTEM CONTROL AND IOCS
				PROGRAM NUMBER 360P-AS-091
21	GY24-5012-2#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT TAPE ASSEMBLER
				PROGRAM NUMBER 360P-AS-091
32	GY24-5013-1#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT UNIVERSAL
				CHARACTER SET UTILITY PROGRAM PROGRAM NUMBER 360P-UT-048
21	GY24-5014-2			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT
				BASIC ASSEMBLER, PROGRAM LOGIC MANUAL
				PROGRAM NUMBER 360P-AS-021
32	GY24-5015-1#			IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT BASIC UTILITIES
				PROGRAM LOGIC MANUAL
33	GY24-5016-0	GY24-5036		TOS SORT/MERGE PROGRAM LOGIC MANUAL, PROG. NO. 360M-SM-400
36	GY24-5017-12			IBM SYSTEM/360 DISK OPERATING SYSTEM INTRODUCTION TO
				DOS LOGIC - PROGRAM NUMBER 360N-CL-453
30	GY24-5018-3			IBM SYSTEM/360 TAPE OPERATING SYSTEM LOGICAL IOCS - LOGIC
				PROGRAM NUMBER 360M-IO-404, VERSION 2.1
32	GY24-5019-0	GY24-5033	GY33-8535	IBM SYSTEM/360 TAPE OPERATING SYSTEM UTILITY PROGRAMS
				PROGRAM NUMBER 360M-UT-403
30	GY24-5020-7#	GN33-8739		IBM SYSTEM/360 DISK OPERATING SYSTEM, LOGICAL IOCS,
				VOLUME 1 INTRODUCTION PROGRAM LOGIC MANUAL, PROGRAM NUMBERS
				CPMOD DIMOD PRMOD DTFLN(360N-CL-453), DAMOD(360N-IO-454),
				SDMOD(360N-IO-455), MTMOD(360N-IO-456), ISMOD(360N-IO-457),
				PTMOD(360N-IO-458), MRMOD(360N-IO-477), ORMOD(360N-IO-478)
33	GY24-5021-1#			IBM SYSTEM/360 DISK OPERATING SYSTEM SORT/MERGE
				PROGRAM NUMBER 360M-SM-450
36	GY24-5022-2			IBM SYSTEM/360 TAPE OPERATING SYSTEM SYSTEM CONTROL - LOGIC,
				PROGRAM NUMBER 360M-CL-405, VERSION 2

32	GY24-5023-3#	GN33-8747		IBM SYSTEM/360 DISK OPERATING SYSTEM UTILITIES PROGRAM NUMBERS 360N-UT-461 360N-UT-462 360N-UT-463
24	GY24-5025-3#			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS COBOL D PROGRAM LOGIC MANUAL, PROG. NOS. 360M-CB-402, 360N-CB-452
37	GY24-5026-1			IBM SYSTEM/360 TAPE OPERATING SYSTEM AUTOTEST - LOGIC, PROGRAM NUMBER 360M-PT-407
37	GY24-5027-0			IBM SYSTEM/360 DISK OPERATING SYSTEM AUTOTEST PROGRAM NUMBER 360N-PT-459
25	GY24-5032-0			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS FORTRAN IV PROGRAM NUMBER 360M-FO-409 PROGRAM NUMBER 360N-FO-451
28	GY24-5037-0			IBM SYSTEM/360, BASIC PROGRAMMING SUPPORT, REPORT PROGRAM GENERATOR FOR PUNCHED CARD EQUIPMENT PROGRAM NUMBER 360P-RG-200
32	GY24-5045-4#			DOS AND TOS UTILITIES MACROS - PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360M-UT-411, 360N-UT-471
37	GY24-5056-2	GN24-5451		IBM SYSTEM/360 TAPE OPERATING SYSTEM ON-LINE TEST EXECUTIVE PROGRAM - PROGRAM NUMBER 360M-DN-418
31	GY24-5079-3#	GN33-8761		IBM SYSTEM/360 DISK OPERATING SYSTEM LIBRARIAN MAINTENANCE AND SERVICE PROGRAMS PROGRAM NUMBER 360N-CL-453
31	GY24-5080-3	GN33-8760		IBM SYSTEM/360 DISK OPERATING SYSTEM LINKAGE EDITOR PROGRAM PROGRAM NUMBER 360N-CL-453
36	GY24-5086-5#	GN33-8740		IBM SYSTEM/360 DISK OPERATING SYSTEM IPL AND JOB CONTROL PROGRAMS PROGRAM NUMBER 360N-CL-453
30	GY24-5087-6#	GN33-8741		IBM SYSTEM/360 DISK OPERATING SYSTEM LOGICAL IOCS VOLUME 2: UNIT RECORD, MAGNETIC TAPE AND DEVICE INDEPENDENT FILES PROGRAM LOGIC MANUAL
30	GY24-5088-5#			DOS LIOCS VOLUME 3, SAM AND DAM FOR DASD: LOGIC, PROG. NOS. 360N-IO-455 (SDMOD), 360N-IO-454 (DAMOD)
30	GY24-5089-5#			DOS LIOCS VOLUME 4: ISFMS - PROGRAM NUMBER 360N-IO-457
32	GY24-5096-1	GN33-8655		IBM SYSTEM/360 BASIC PROGRAMMING SUPPORT MODULAR FILE MAINTENANCE PROGRAM - PROGRAM NUMBER 360P-UT-219
36	GY24-5151-4			IBM SYSTEM/360 DISK OPERATING SYSTEM SUPERVISOR AND PHYSICAL TRANSIENTS - PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-CL-453
36	GY24-5152-3#			IBM SYSTEM/360 DISK OPERATING SYSTEM LOGICAL TRANSIENT PROGRAMS
36	GY24-5152-2#	GN33-8746		DOS SYSTEM SERVICE PROGRAM: LOGIC, PROG. NO. 360N-CL-453
36	GY24-5153-3#	GN28-2565		DOS OLTEP LOGIC
37	GY24-5154-3			IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (32K) PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-AS-036
21	GY26-3598-0			IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS ASSEMBLER (D) PROGRAM NUMBER 360M/N-AS-465
21	GY26-3642-4			IBM SYSTEM/360 OPERATING SYSTEM ASSEMBLER (F) PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-AS-037
21	GY26-3700-3	GN33-8156		IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEM REPORT PROGRAM GENERATOR PROGRAM NUMBERS 360N-RG-460 (DISK) 360M-RG-408 (TAPE)
28	GY26-3701-1	GY21-0009	GY21-0005	IBM SYSTEM/360 OPERATING SYSTEM REPORT PROGRAM GENERATOR PROGRAM NUMBER 360S-RG-038
28	GY26-3704-0	GY21-0011	GY21-0006	IBM SYSTEM/360 DISK OPERATING SYSTEM ASSEMBLER (F) PROGRAM NUMBER 360N-AS-466
21	GY26-3716-1	GN33-8120		IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION ASSEMBLER PROMPTER PROGRAM LOGIC MANUAL PROGRAM NUMBER 5734-CP2
21	LY26-3737-1			DOS EMULATOR LOGIC (ON IBM SYSTEM/370 UNDER OS), PROG. NO. 360C-EU-738 (FOR MFT/MVT), 5744-AS1 (FOR VS) OS ASSEMBLER H LOGIC PROG. NO. 5734-AS1
35	SY26-3741-4			IBM 2740/2968 AUDIO-VISUAL CONTROL PROGRAM LOGIC MANUAL RPQ NUMBER F30209
21	LY26-3760-2#			OS/V5 BDAM LOGIC MANUAL
21	LY26-3760-1#	LN33-8161		IBM SYSTEM/360 CONVERSION AIDS: THE 1401/1460 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 40 PLM - PROG. NO. 360C-EU-074
14	SY26-3766-0			IBM SYSTEM/360 TRANSITION AIDS: COBOL LANGUAGE CONVERSION PROGRAM (1401-CB-701) FOR THE IBM 1401 PROGRAM LOGIC MANUAL
30	SY26-3789-1			IBM SYSTEM/360 OPERATING SYSTEM GRAPHICS PROBLEM ORIENTED ROUTINES (360S-IO-523) PROGRAM LOGIC MANUAL
35	GY27-7103-1	GY27-7131		IBM SYSTEM/360 CONVERSION AIDS: THE 7074 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODELS 50 AND 65 PROGRAM LOGIC MANUAL PROGRAM NUMBER 360C-EU-725
24	GY27-7108-0			IBM SYSTEM/360 OPERATING SYSTEM: GRAPHIC ACCESS METHOD PROGRAM NUMBER 360S-IO-523
30	GY27-7110-1			IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-754 PROGRAM LOGIC MANUAL
35	GY27-7111-0	GY27-7129	GY27-7182	IBM SYSTEM/360 CONVERSION AIDS: THE 1620 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-752 PROGRAM LOGIC MANUAL
30	GY27-7113-6			IBM SYSTEM/360 CONVERSION AIDS: THE 7070/7074 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-753 PROGRAM LOGIC MANUAL
35	GY27-7115-0	GY33-7001		IBM SYSTEM/360 CONVERSION AIDS: THE 7080 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-751 PROGRAM LOGIC MANUAL
35	GY27-7116-1	GY33-7002		IBM SYSTEM/360 CONVERSION AIDS: THE 7090/7094 SIMULATOR FOR IBM SYSTEM/360, PROGRAM NUMBER 360C-SI-750 PROGRAM LOGIC MANUAL
35	GY27-7117-1	GY33-7003		
35	GY27-7118-0	GY33-7004		
35	GY27-7119-1	GY33-7005		



36	GY27-7128-7			IBM SYSTEM/360 OPERATING SYSTEM JOB MANAGEMENT WITH MFT PROGRAM LOGIC MANUAL
25	GY27-7152-1	GN27-1334		IBM SYSTEM/360 OPERATING SYSTEM GRAPHIC SUBROUTINE PACKAGE (GSP) FOR FORTRAN IV, COBOL, AND PL/I PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-LM-537
37	GY27-7155-3			IBM SYSTEM/360 OPERATING SYSTEM MACHINE CHECK HANDLER FOR IBM SYSTEM/360 MODEL 65 PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-DN-539
36	GY27-7159-1			IBM SYSTEM/360 OPERATING SYSTEM: GRAPHIC JOB PROCESSOR SUPPORT - PROGRAM NUMBER 360S-RC-541
25	GY27-7161-0	GY27-7194		SYSTEM/360-1130 DATA TRANSMISSION FOR FORTRAN PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360S-RC-542, 1130-LM-011
35	GY27-7164-2	GN33-7013		IBM SYSTEM/360 DISK OPERATING SYSTEM 1401/1440/1460 EMULATOR PROGRAM COMPATIBILITY SUPPORT/30 PROGRAM NUMBER 360N-EU-484
35	GY27-7165-2	GN33-7014		IBM SYSTEM/360 DISK OPERATING SYSTEM 1401/1440/1460 EMULATOR PROGRAM COMPATIBILITY SUPPORT/40 PROGRAM NUMBER 360N-EU-485
36	GY27-7166-0	GY27-7192		IBM SYSTEM/360 OPERATING SYSTEM AND 1130 DISK MONITOR SYSTEM SYSTEM/360 JOB PROCESSING FROM A REMOTE 1130/2250 SUBSYSTEM PROGRAM LOGIC MANUAL PROGRAM NUMBERS 360S-RC-543, 1130-CO-012
37	GY27-7184-2			IBM SYSTEM/360 OPERATING SYSTEM: MACHINE-CHECK HANDLER FOR IBM SYSTEM/360 MODEL 85 - PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-DN-539
35	GY27-7187-2			PROGRAM TO EMULATE THE IBM 7094 ON IBM MODELS 85 & 165 USING OS/360, PROG. NOS. 360C-EU-734 (M85), 360C-EU-740 (M165)
37	GY27-7198-2			IBM SYSTEM/360 OPERATING SYSTEM: MACHINE-CHECK HANDLER FOR SYSTEM/370 MODELS 155 AND 165 - PROGRAM LOGIC MANUAL
39	GY27-7199-3			IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION (TSO) CONTROL PROGRAM PROGRAM NUMBER 360S-CI-555
30	LY27-7230-2			VIDEO/370 LOGIC MANUAL - PROGRAM NUMBERS 5734-RC5, 5736-RC3
36	GY27-7236-2			IBM SYSTEM/360 OPERATING SYSTEM MFT SUPERVISOR
37	GY27-7237-1			IBM SYSTEM/360 OPERATING SYSTEM MACHINE-CHECK HANDLER FOR IBM SYSTEM/370 MODELS 135 AND 145 PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-DN-539
30	GY27-7245-1			SYSTEM/360 DOS VERSION 4 BASIC TELECOMMUNICATIONS ACCESS METHODS - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360N-CQ-469
36	GY27-7255-0			OS/VS2 HASP II VERSION 4 LOGIC MANUAL - PROGRAM NUMBER 370H-TX-001
35	GY27-7259-0			7094 OS EMULATOR ON MODELS 165/168: LOGIC, PROG. NOS. 360C-EU-740 (MFT/MVT) & 5744-AM1 (VS1/VS2)
36	GY28-2009-2	GN28-3146	GN28-3193	IBM SYSTEM/360 TIME SHARING SYSTEM SYSTEM LOGIC SUMMARY PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360G-CL-627
36	GY28-2011-6	GN28-3219		IBM SYSTEM/360 TIME SHARING SYSTEM SYSTEM CONTROL BLOCKS PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360G-CL-627
36	GY28-2012-5#			IBM SYSTEM/360 TIME SHARING SYSTEM: RESIDENT SUPERVISOR PROGRAM LOGIC MANUAL
36	GY28-2013-6	GN28-3214		TIME SHARING SYSTEM/360 COMMAND LANGUAGE PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360G-CL-627
36	GY28-2014-2#			IBM SYSTEM/360 TIME-SHARING SYSTEM PROGRAM CONTROL SYSTEM PROGRAM LOGIC MANUAL
34	GY28-2015-6	GN28-3218		IBM SYSTEM/360 TIME SHARING SYSTEM: SYSTEM GENERATION AND MAINTENANCE PROGRAM LOGIC MANUAL PROGRAM NUMBER 360-CL-627
30	GY28-2016-5#			IBM SYSTEM/360 TIME SHARING SYSTEM ACCESS METHODS PROGRAM NUMBER 360G-CL-627
	GY28-2016-4#			PROGRAM LOGIC MANUAL
31	GY28-2018-3			IBM SYSTEM/360 TIME SHARING SYSTEM: SYSTEM SERVICE MANUAL PROGRAM LOGIC MANUAL
25	GY28-2019-1	GN28-3167	GN28-3190	IBM SYSTEM/360 TIME SHARING SYSTEM: FORTRAN IV COMPILER PROGRAM LOGIC MANUAL
25	GY28-2020-2	GN28-3215		IBM SYSTEM/360 TIME SHARING SYSTEM FORTRAN IV LIBRARY SUBPROGRAMS PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
21	GY28-2021-2	GN28-3213		IBM SYSTEM/360 TIME-SHARING SYSTEM ASSEMBLER PROGRAM LOGIC MANUAL
37	GY28-2022-2			IBM SYSTEM/360 TIME SHARING SYSTEM TIME SHARING SUPPORT SYSTEM - PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
31	GY28-2030-2	GN28-3216		IBM SYSTEM/360 TIME-SHARING SYSTEM LINKAGE EDITOR PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
36	GY28-2031-3			IBM SYSTEM/360 TIME SHARING SYSTEM: DYNAMIC LOADER PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
32	GY28-2039-3	GN28-3134	GN28-3176	IBM SYSTEM/360 TIME-SHARING SYSTEM INDEPENDENT UTILITIES PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
36	GY28-2041-4			IBM SYSTEM/360 TIME SHARING SYSTEM TASK MONITOR PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360G-CL-627
37	GY28-2042-2	GN28-3159		IBM SYSTEM/360 TIME SHARING SYSTEM: ON-LINE TEST CONTROL SYSTEM PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
36	GY28-2047-4#			IBM SYSTEM/360 TIME SHARING SYSTEM OPERATOR TASK AND BULK I/O - PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
29	GY28-2051-0	GN28-3161	GN28-3191	IBM SYSTEM/360 TIME SHARING SYSTEM PL/I COMPILER PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
29	GY28-2052-0	GN28-3132	GN28-3162	IBM SYSTEM/360 TIME SHARING SYSTEM PL/I LIBRARY COMPUTATIONAL SUBROUTINES PROGRAM LOGIC MANUAL PROGRAM NUMBER 360G-CL-627
24	GY28-6382-2	GN28-3192		IBM SYSTEM/360 OPERATING SYSTEM COBOL CFS PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-CB-524 360S-LM-525

24	GY28-6392-2	GN28-1027		IBM SYSTEM/360 DISK OPERATING SYSTEM AMERICAN NATIONAL STANDARD COBOL: PROGRAM LOGIC MANUAL, PROG. NO. 360N-CB-482
25	GY28-6394-1	GN28-0415		IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-FO-479
24	GY28-6395-1	GN28-0499		IBM SYSTEM/360 OPERATING SYSTEM: USA STANDARD COBOL - PROGRAM LOGIC MANUAL
24	GY28-6397-1#			PROGRAM NUMBERS 360S-CB-545, 360S-LM-546
25	LY28-6403-0	LN28-0604		IBM CONVERSION AIDS: COBOL-TO-AMERICAN NATIONAL ST'D COBOL LANGUAGE CONVERSION PROGRAM - PROGRAM LOGIC MANUAL
24	LY28-6406-1	LN28-0492		PROGRAM NUMBERS 360N-CV-489, 360C-CV-713
24	LY28-6407-1	LN28-1005	**LN28-1044	IBM SYSTEM/360 OPERATING SYSTEM: FORTRAN IV (H EXTENDED) COMPILER, PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-FO3
25	LY28-6408-0	LN28-0605		SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION
25	LY28-6409-0	LN28-0606		COBOL PROMPTER PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-CP1
25	LY28-6410-0			IBM SYSTEM/360 OPERATING SYSTEM
24	LY28-6412-0	LN28-0462 LN28-1031	LN28-0485	FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3 PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-CB1
24	LY28-6413-0	LN28-0463 LN28-1032	LN28-0486	IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY (MODEL I) PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-LM1
24	LY28-6414-0	LN28-0491	LN28-1033	IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV LIBRARY MOD II PROGRAM LOGIC MANUAL, PROGRAM NUMBER 5734-LM3
25	LY28-6415-0			IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION FORTRAN PROMPTER - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-CP3
24	LY28-6419-0	LN28-1007	LN28-1042	IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER VERSION 3, PROGRAM LOGIC MANUAL PROGRAM PRODUCT 5736-CB2
24	LY28-6420-0	LN28-1008	LN28-1043	IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL SUBROUTINE LIBRARY, VERSION 3
23	**LY28-6422-0			PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5736-LM2
24	LY28-6423-0	**LN28-1060		IBM SYSTEM/360 DISK OPERATING SYSTEM SUBSET AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5736-CB1
24	**LY28-6424-1			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H EXTENDED PLUS) COMPILER AND LIBRARY PROGRAM LOGIC SUPPLEMENT (PROGRAMMING REQUEST FOR PRICE QUOTATION) PROGRAM NUMBER 5799-AAW
35	GY28-6566-1	GY27-7175	GN27-1358	IBM S/360 OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL SUBROUTINE LIBRARY V4 PLM - PROGRAM PRODUCTS 5734-CB2, 5734-LM2
35	GY28-6569-1			IBM S/360 OPERATING SYSTEM: FULL AMERICAN NATIONAL STANDARD COBOL COMPILER V4 - PROGRAM LOGIC MANUAL - PROGRAM PRODUCT 5734-CB2
33	GY28-6597-4	GN33-8164		SYSTEM/370 VS BASIC PROGRAM LOGIC - PROG. NO. 5748-XX1
25	GY28-6601-3#			IBM DOS/VS COBOL COMPILER PROGRAM LOGIC - PROGRAM NUMBER 5746-CB1
30	GY28-6604-5			IBM DOS/VS COBOL SUBROUTINE LIBRARY PROGRAM LOGIC - PROGRAM NUMBER 5746-LM4
36	GY28-6605-5#			IBM SYSTEM/360 CONVERSION AIDS: THE 709/7090/7094/7094 II EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 65
30	GY28-6606-3			PROGRAM LOGIC MANUAL - PROG. NO. 360C-EU-729
30	GY28-6607-9			IBM SYSTEM/360 CONVERSION AIDS: THE 1410/7010 EMULATOR PROGRAM FOR IBM SYSTEM/360 MODEL 50
30	GY28-6609-6			PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360C-EV-726
31	GY28-6610-3#			IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE PROGRAM LOGIC MANUAL, (PROGRAM NUMBER 360S-SM-023)
37	GY28-6611-1#			IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (E) PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-FO-092
36	GY28-6612-5#			SYSTEM/360 OPERATING SYSTEM (OS) SEQUENTIAL ACCESS METHOD (SAM) LOGIC MANUAL - PROGRAM NUMBER 360S-DM-508
36	GY28-6613-5			IBM SYSTEM/360 OPERATING SYSTEM: INTRODUCTION TO CONTROL PROGRAM LOGIC, PROGRAM NUMBERS 360S-CI-505 360S-DM-508
31	GY28-6614-8	GN35-0009	GN35-0013	IBM SYSTEM/360 OPERATING SYSTEM CATALOG MANAGEMENT PROGRAM LOGIC MANUAL
30	GY28-6616-9#	GN26-8036		OS DADSM LOGIC
30	GY28-6617-6			MANAGEMENT ROUTINES - LOGIC MANUAL
30	**GY28-6618-6			OS OPEN/CLOSE/EOV LOGIC, PROG. NO. 360S-DM-508
25	GY28-6638-2#			IBM SYSTEM/360 OPERATING SYSTEM LINKAGE EDITOR PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-ED-510 (LEVEL E)
25	GY28-6642-5#			IBM SYSTEM/360 OPERATING SYSTEM TESTRAN PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-PT-516
33	GY28-6645-2#			IBM SYSTEM/360 OPERATING SYSTEM FIXED TASK SUPERVISOR PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-CI-505
37	GY28-6651-5	GN28-2550		IBM SYSTEM/360 OPERATING SYSTEM: JOB MANAGEMENT PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-CI-505
36	GY28-6659-7			IBM SYSTEM/360 OPERATING SYSTEM: UTILITIES, PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-UT-506
				SYSTEM/360 OPERATING SYSTEM/OS INPUT/OUTPUT (I/O) SUPERVISOR LOGIC MANUAL - PROGRAM NUMBER 360S-CI-505
				SYSTEM/360 OPERATING SYSTEM BDAM LOGIC MANUAL PROGRAM NUMBER 360S-DM-509
				OS ISAM LOGIC - PROG. NO. 360S-IO-526
				IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G) COMPILER PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-FO-520
				IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (H) COMPILER PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-FO-500
				IBM SYSTEM/360 DISK OPERATING SYSTEM TAPE AND DISK SORT/MERGE PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-SM-483
				IBM SYSTEM/360 OPERATING SYSTEM RELEASE 20 ON-LINE TEST EXECUTIVE PROGRAM PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-DN-533
				IBM SYSTEM/360 OPERATING SYSTEM MVT SUPERVISOR PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-CI-535

36	GY28-6660-9	GN28-2551		IBM SYSTEM/360 OPERATING SYSTEM: MVT JOB MANAGEMENT, PROGRAM LOGIC MANUAL, PROGRAM NUMBER 360S-CI-535
36	GY28-6661-5	GN27-1404		OS INITIAL PROGRAM LOAD AND NUCLEUS INITIALIZATION PROGRAM LOGIC - PROG. NO. 360S-CI-535
31	GY28-6667-2			IBM SYSTEM/360 OPERATING SYSTEM LINKAGE EDITOR (F) PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-ED-521
14	GY28-6688-0			INTERNAL LOGIC MANUAL FOR THE IBM 2947-4 CHECK COLLECTION CONTROLLER SEQUENTIAL ACCESS METHOD - PROGRAM SUPPORT RPQ 888264 - PROGRAM NUMBERS 5799-WAF 5799-WAG
33	LY28-6696-1	LN33-8107		IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK SORT/MERGE PROGRAM - PROGRAM NUMBER 5736-SM1
31	GY28-6714-2#			IBM SYSTEM/360 OPERATING SYSTEM LOADER - LOGIC MANUAL - PROG. NO. 360S-LD-547
20	GY28-6717-4			IBM SYSTEM/360 OPERATING SYSTEM PROGRAM LOGIC MANUAL MASTER INDEX
37	GY28-6721-0	GN28-2554		IBM SYSTEM/360 OPERATING SYSTEM: SERVICE AIDS PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-DN-554
14	SY28-6746-0	SN28-2527		IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1 CONTROL PROGRAM DESIGN SPECIFICATIONS SUPPORTING RPQ 888117
32	LY28-6761-0	LN33-8708		OS/MFT, OS/MVT, AND OS/VS DATA SET UTILITIES SUPPORT FOR ASCII: LOGIC MANUAL, PROG. NO. 5734-UT2
32	LY28-6766-1	LN33-8709	LN33-8720	IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION DATA UTILITIES: COPY, FORMAT, LIST, MERGE
		**LN28-0624		PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-UT1
39	GY28-6770-2			OS TSO TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES PLM, PROGRAM NUMBER 360S-CI-555
39	GY28-6771-1#			IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 1, ACCOUNT PROGRAM NUMBER 360S-CI-555
39	GY28-6772-1#			IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 2, ALLOCATE, CALL, CANCEL/STATUS, DELETE, PROGRAM NUMBERS 360S-CI-555, 360S-UT-506
39	GY28-6773-1#			IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 3, EDIT PROGRAM NUMBER 360S-UT-506
39	GY28-6774-1#			IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 4, EXEC, FREE, HELP, LINK, LISTBC - PROG. NO. 360S-CI-555
39	GY28-6775-1#			LISTALC - PROG. NO. 360S-UT-506
39	GY28-6776-0	GN28-2492		IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 5, LISTCAT, LISTDS, LOADGO, OPERATOR, OUTPUT - PROGRAM NUMBERS 360S-CI-555, 360S-UT-506
39	GY28-6777-1#			IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 6, PROFILE, RUN, SEND, SUBMIT, TERMINAL, TIME, WHEN/END (360S-CI-555) PROTECT RENAME (PROG. NO. 360S-UT-506)
29	GY28-6800-5			IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 7, TEST PROGRAM NUMBER 360S-UT-506
29	GY28-6801-6#			IBM SYSTEM/360 OPERATING SYSTEM, PL/I (F) COMPILER PROGRAM LOGIC MANUAL, PROGRAM NUMBER 360S-NL-511
21	GY28-6811-0	GY33-8509	GY28-6824	IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM ASSEMBLER
		GY28-6817	GN33-8656	PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360F-AS-616
36	GY28-6812-1	GN33-8657		IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM SUPERVISOR AND JOB CONTROL PROGRAM LOGIC MANUAL
31	GY28-6813-0	GY28-6823	GN33-8646	PROGRAM NUMBERS 360F-IO-613 360F-CL-614
32	GY28-6814-2#			IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM LINKAGE EDITOR PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360F-ED-615
25	GY28-6815-1			IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM UTILITIES AND STAND ALONE PROGRAMS PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 360F-UT-606 THROUGH -612, -617, AND -620
35	GY28-6816-0			IBM SYSTEM/360 MODEL 44 PROGRAMMING SYSTEM FORTRAN IV COMPILER PROGRAM NUMBER 360F-FO-618
25	GY28-6831-2			PROGRAM LOGIC MANUAL - COMPILER PROGRAM NUMBER 360F-FO-618
36	LY28-6832-1			IBM SYSTEM/360 CONVERSION AIDS 1620 SIMULATOR FOR IBM SYSTEM/360 MODEL 44 PROGRAM LOGIC MANUAL - 360C-SI-755
36	LY28-6833-1	LN28-0455		IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV SYNTAX CHECKER PROGRAM NUMBER 360S-FO-550
36	LY28-6834-3			IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC INTRODUCTION AND METHOD OF OPERATION
29	LY28-6835-1	LN28-0442		PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
23	LY28-6836-0	LN28-0420	LN28-0429	IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC INITIALIZATION SYSTEM CONTROL, AND SYSTEM SUPPORT PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
36	LY28-6837-3	LN28-0456		IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE COMPONENT CONTROLLER PROGRAM LOGIC MANUAL PROGRAM NUMBERS 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
				IBM SYSTEM/360 OS/DOS ITF PL/I PROGRAM LOGIC LANGUAGE COMPONENT: PL/I ROUTINES PROGRAM NUMBERS 5734-RC1, 5736-RC1
				IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE COMPONENT: BASIC ROUTINES PROGRAM NUMBERS 5736-RC2, 5734-RC3
				IBM SYSTEM/360 OS/DOS ITF PROGRAM LOGIC LANGUAGE COMPONENT: COMMON ROUTINES AND REFERENCE DATA PROGRAM NUMBERS 5734-RC1, RC3, 5736-RC1, RC2

20	LY28-6840-1			INDEX FOR THE OS/DOS ITF PLM, PROG. NOS. 5734-RC1 AND 3, 5736-RC1 AND 2
39	LY28-6842-1#			IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY PROGRAM LOGIC INITIALIZATION, SYSTEM CONTROL, AND SYSTEM SUPPORT PROGRAM NUMBERS 5734-RC2, 5734-RC4
39	LY28-6845-0			IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY PROGRAM LOGIC INDEX PROGRAM NUMBERS 5734-RC2, 5734-RC4
25	LY28-6846-1	LN28-1014		IBM SYSTEM/360 OPERATING SYSTEM CODE AND GO FORTRAN PROCESSOR PROGRAM LOGIC MANUAL PROGRAM NUMBER 5734-F01
25	LY28-6856-0	LN28-1013		IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (GI) COMPILER PLM PROGRAM NUMBER 5734-F02
31	GY28-7106-0			IBM SYSTEM/360 OPERATING SYSTEM UPDATE ANALYSIS PROGRAM PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-UT-506
30	GY30-2001-6			IBM SYSTEM/360 OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-CQ-513
30	GY30-2002-3			IBM SYSTEM/360 OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD PROGRAM LOGIC MANUAL PROGRAM NUMBER 360S-CQ-519
38	GY30-2005-4	GY30-2542	GY30-2557	PROGRAM NUMBER 360S-RC-536 IBM SYSTEM/360 OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD
38	GY30-2006-1	GY30-2537		BOS & BPS RJE/WORK STATION PROGRAM: LOGIC, PROG. NOS. 360B-CQ-311 (BOS), 360P-CQ-218 (BPS)
30	GY30-2027-0			IBM SYSTEM/360 OPERATING SYSTEM TCAM SERVICEABILITY AIDS: PROGRAM LOGIC MANUAL, PROGRAM NUMBER 360S-CQ-548
30	GY30-2029-4			OS MPT/MVT TCAM LOGIC, PROG. NO. 360S-CQ-548
30	GY30-3000-0	GY30-3500 GY30-3504	GY30-3501	IBM 3735 PROGRAMMABLE BUFFERED TERMINAL FORM DESCRIPTION MACRO INSTRUCTIONS AND FORM DESCRIPTION UTILITY PROGRAM LOGIC MANUAL (OS, DOS, AND VS SYSTEMS)
30	**SY30-3001-1			IBM 3705 COMMUNICATIONS CONTROLLER EMULATION PROGRAM PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360H-TX-033
30	**SY30-3003-1	**SN30-3021		IBM 3705 COMMUNICATIONS CONTROLLER NETWORK CONTROL PROGRAM PLM, PROG. NO. (OS) 360H-TX-034
35	LY30-3004-0			GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85007 SPECIAL START-STOP LINE CONTROL FOR IBM 3705 EMULATION PROGRAM - PROGRAM NUMBER 5799-AGK
35	LY30-3005-0			GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85004, SIX BIT TRANSCODE FOR IBM 3705 EMULATION PROGRAM PROGRAM NO. 5799-AGA
14	SY30-3006-0			IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR PROGRAM SUPPORT FOR HARDWARE RPQ M26099 SABRE LINE CONTROL
30	SY30-3008-0			IBM 3704 AND 3705 DATA AREAS
30	LY30-3009-0			IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85005, SPECIAL SYNCHRONOUS LINE CONTROL PROGRAM NO. 5799-AFY
30	**GY30-3012-0			IBM 3704 AND 3705 PROGRAM REFERENCE HANDBOOK
14	**SY30-3014-0			IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR RPQ 858663, PLOTTER ADAPTER - PSHRPQ P85008 -
30	**LY30-3016-0			IBM 3705 EMULATION PROGRAM GENERATION AND LOGIC MANUAL FOR PROGRAMMING RPQ P85015, VIRTUAL 50 LINE SUPPORT - PROG. NO. 5799-AKQ
30	GY30-5001-6			IBM SYSTEM/360 DISK OPERATING SYSTEM BASIC TELECOMMUNICATIONS ACCESS METHOD PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-CQ-469
30	GY30-5002-4			IBM SYSTEM/360 DISK OPERATING SYSTEM QUEUED TELECOMMUNICATIONS ACCESS METHOD PROGRAM LOGIC MANUAL PROGRAM NUMBER 360N-CQ-470
29	GY33-6003-2			IBM SYSTEM/360 PL/I LANGUAGE SPECIFICATIONS
29	LY33-6007-1			OS PL/I OPTIMIZING COMPILER: PROGRAM LOGIC MANUAL PROGRAM NUMBER 5734-PL1
29	LY33-6008-0	LN33-6067	LN33-6090	SYSTEM/360 OPERATING SYSTEM PL/I RESIDENT LIBRARY: PROGRAM LOGIC MANUAL - PROGRAM NUMBER 5734-LM4
29	LY33-6009-0	LN33-6091		OS PL/I TRANSIENT LIBRARY: PROGRAM LOGIC MANUAL PROGRAM NUMBER 5734-LM5
29	LY33-6010-1	LN33-6079	**LN33-6115	DOS PL/I OPTIMIZING COMPILER: PROGRAM LOGIC PROGRAM PRODUCT 5736-PL1
29	LY33-6011-1	**LN33-6118		DOS PL/I RESIDENT LIBRARY: PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-LM4
29	**LY33-6012-1			DOS PL/I TRANSIENT LIBRARY - PROGRAM LOGIC MANUAL PROGRAM NUMBER 5736-LM5
29	LY33-6013-1			OS PL/I CHECKOUT COMPILER PROGRAM LOGIC MANUAL PROGRAM NUMBER 5734-PL2
29	LY33-6014-0	LN33-6093		SYSTEM/360 OPERATING SYSTEM PL/I CHECKOUT COMPILER PROGRAM LOGIC, VOLUME 2 OF 2 - PROGRAM NUMBER 5734-PL2
26	GY33-7006-0			IBM SYSTEM/360 CONVERSION AIDS: ALGOL-TO-PL/I LANGUAGE CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATING SYSTEM, PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360C-CV-711
24	GY33-7007-1			IBM SYSTEM/360 CONVERSION AIDS: COBOL-TO-PL/I LANGUAGE CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATING SYSTEM, PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360C-CV-712
35	SY33-7008-0	SN33-7019 SN33-7042 SN33-7054	SN33-7022 SN33-7033	1401/1440/1460 DOS EMULATOR ON SYSTEM/370: LOGIC, PROG. NOS. 370N-EU-490 (DOS), 5745-SC-EML (DOS/VS)
35	SY33-7009-0	SN33-7020 SN33-7031	SN33-7023 SN33-7055	PROGRAM TO EMULATE THE 1410 AND 7010 ON THE SYSTEM/370 MODELS 145 AND 155 USING DOS/360 PROGRAM NUMBER 360N-EU-490 PROGRAM LOGIC MANUAL
35	**SY33-7010-1	SN33-7053 **SN33-7069	**SN33-7064	MODEL 20 EMULATOR ON SYSTEM/370 USING DOS AND DOS/VS LOGIC - PROG. NOS. 370N-IC-002 AND 5745-SC-E20

35	SY33-7011-1			1401/1440/1460 OS EMULATOR ON SYSTEM/370 LOGIC - PROGRAM NUMBERS 5744-AH1 AND 360C-EU-735
35	GY33-7012-0	GN33-7030	GN33-7035	1410/7010 OS EMULATOR ON SYSTEM/370 LOGIC - PROGRAM NUMBERS 5744-AG1 AND 360C-EU-736
26	GY33-8000-0	GN33-7039	GY33-8001	OS ALGOL (F) COMPILER LOGIC - PROGRAM NUMBERS 360S-AL-531
29	GY33-8009-1#	GN33-8003		360S-LH-532
33	LY33-8027-1	GN33-8129		IBM SYSTEM/360 OPERATING SYSTEM, PL/I SYNTAX CHECKER, PROGRAM LOGIC MANUAL - PROGRAM NUMBER 360S-PL-552
33	LY33-8038-0			IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE, PROGRAM LOGIC MANUAL - PROGRAM NO. 5734-SM1
33	LY33-8039-0			DOS/VS SORT/MERGE LOGIC - PROGRAM NUMBER 5746-SM1
33	LY33-8042-0			DOS SORT/MERGE PROGRAM LOGIC MANUAL
36	GY33-8532-0	GN33-8725		PROGRAM NUMBER 5743-SM1
36	GY33-8533-0			OS/VS SORT/MERGE LOGIC - PROG. PROD. 5740-SM1
36	GY33-8534-0	GN33-8727	GN33-8755	DOS VERSION 4 LOGICAL TRANSIENTS - PROGRAM NUMBER 370N-CL-453
36	GY33-8537-0	GN33-8728		INTRODUCTION TO DOS VERSION 4 LOGIC - PROGRAM NUMBER 370N-CL-453
31	GY33-8538-0	GN33-8729		DOS VERSION 4 SUPERVISOR AND RELATED TRANSIENTS - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 370N-CL-453
31	GY33-8539-0			DOS VERSION 4 SYSTEM SERVICE PROGRAMS - PROGRAM NUMBER 370N-CL-453
32	LY33-8540-0			DOS VERSION 4 LINKAGE EDITOR MANUAL - PROGRAM NUMBER 370N-CL-453
36	GY33-8542-0	GN33-8731	GN33-8751	SYSTEM/370 DOS VERSION 4 LIBRARIAN-PROGRAM LOGIC MANUAL - PROGRAM NUMBER 370N-CL-453
30	GY33-8543-0	GN33-8732		IBM SYSTEM/360 DISK OPERATING SYSTEM ASCII MAGNETIC TAPE UTILITIES PROGRAM LOGIC MANUAL
30	GY33-8544-0	GN33-8733	GN33-8749	PROGRAM NUMBER 5736-UT2
30	GY33-8545-0	GN33-8734		DOS VERSION 4 IPL AND JOB CONTROL MANUAL - PROGRAM NUMBER 370N-CL-453
30	GY33-8546-0			DOS VERSION 4 LIOCS INTRODUCTION VOLUME 1 - PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 370N-CL-453, 370N-IO-454, 370N-IO-457, 370N-IO-477, 370N-IO-456, 370N-IO-478, 370N-IO-458, 370N-IO-455
32	GY33-8547-0			DOS VERSION 4 LIOCS VOLUME 2 - PROGRAM NUMBERS 370N-CL-453, 370N-IO-477, 370N-IO-456, 370N-IO-478, 370N-IO-458
29	GY33-9010-4#			DOS VERSION 4 LIOCS VOLUME 3-SAM AND DAM FOR DASD-PROGRAM LOGIC MANUAL - PROGRAM NUMBERS 370N-IO-455, 370N-IO-454
29	GY33-9011-2			DOS VERSION 4 LIOCS VOLUME 4 - ISAM - PROGRAM LOGIC MANUAL - PROGRAM NUMBER 370N-IO-457
29	GY33-9012-2#			DOS VERSION 4 SYSTEM UTILITIES - PROGRAM NUMBER 370N-UT-491
29	GY33-9013-1	GN33-9108		IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET LANGUAGE, PROGRAM LOGIC MANUAL, VOLUME 1 OF 3
95	S2C0-0021-11	**S2C0-5277-1	**S2C0-5276-8	PROGRAM NUMBERS: 360N-PL-464 (DOS) 360M-PL-410 (TOS)
95	S2C0-0031-19	**S2C0-5275-2		IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET LANGUAGE, PROGRAM LOGIC MANUAL, VOLUME 2 OF 3, PROG. NOS. 360N-PL-464 (DOS), 360M-PL-410 (TOS)
95	S2C0-0051-1	**S2C0-5218	**S2C0-5217-2	IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS, PL/I SUBSET LANGUAGE, VOLUME 3 OF 3 PROGRAM LOGIC MANUAL
95	S2C0-0101-8	**S2C0-5216-5	**S2C0-5215-7	PROGRAM NUMBERS: 360N-PL-464 (DOS) 360N-PL-410 (TOS)
95	S2C0-0101-8	**S2C0-5058	**S2C0-5057-1	IBM SYSTEM/360 DISK AND TAPE OPERATING SYSTEMS PL/I SUBSET LIBRARY ROUTINES - PROGRAM LOGIC MANUAL
95	S2C0-0201-4	**S2C0-0049-43	**S2C0-0050-33	PROGRAM NUMBERS 360N-PL-464 (DOS), 360M-PL-410 (TOS)
95	S2C0-0301-4	**S2C0-0157-1	**S2C0-0156-1	DOS/VS EARLY WARNING MICROFICHE
95	S2C0-0301-4	**S2C0-0147-50	**S2C0-0100-30	EARLY WARNING MICROFICHE - OS/VIRTUAL SYSTEM
95	S2C0-0301-4	**S2C0-0149-26	**S2C0-0148-53	MICROFICHE - EARLY WARNING
95	S2C0-0301-4	**S2C0-5106-6	**S2C0-0200-78	2025 AND LARGER FILE CARD
95	S2C0-0301-4	**S2C0-5353	**S2C0-5351	MICROFICHE - EARLY WARNING
95	S2C0-0301-4	**S2C0-5350	**S2C0-5349-1	OPERATING SYSTEM OS FILE CARD
95	S2C0-3450-18			MICROFICHE EARLY WARNING - PROGRAM PRODUCTS, CSP AND SCP
20	S229-3169-3			GENERAL PROGRAMMING INFORMATION - PROGRAM STATUS DOCUMENT
85	G310-0012-61			SYSTEM/360 OPERATING SYSTEM HANDBOOK
79	G320-0956-2			IBM WORLD TRADE MARKETING PUBLICATIONS KWIC INDEX
79	G320-0958-1			ATS/360 TERMINAL OPERATOR'S QUICK REFERENCE GUIDE
79	G320-1002-1			PROGRAM NUMBERS 360A-CX-18X, 360A-CX-19X
74	G320-1028-0			ATS/360 - DOS COMPUTER OPERATOR'S QUICK REFERENCE GUIDE
74	G320-1030-0			PROGRAM NUMBER 360A-CX-18X
39	**G320-1238-1			ATS/360 - OS COMPUTER OPERATOR'S QUICK REFERENCE GUIDE
87	**G320-1244-3#			PROGRAM NUMBER 360A-CX-19X
60	**G320-1269-0			SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) DIAGNOSTIC MESSAGES
76	G320-1405-1			PROGRAM NUMBER 360A-UH-11X
39	**G320-1408-2			APPLICATION PROGRAM MANUAL
				SHARED HOSPITAL ACCOUNTING SYSTEM (SHAS) TERMINAL OPERATORS REFERENCE GUIDE - PROGRAM NUMBER 360A-UH-11X
				S/360 - S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING GENERAL INFORMATION MANUAL - PROGRAM NUMBER 5796-AAT
				CUSTOMER EDUCATION COURSE CATALOG
				SYSTEM/370 PROGRAM PRODUCTS CROSS INDUSTRY APPLICATION
				OS DOS VM/370-CMS
				LOADFLOW PLOTTING SYSTEM VARIBUS CORPORATION
				ANNOUNCEMENT NOTICE - PROGRAM NUMBER 5796-AAF
				S/370 MCGILL UNIVERSITY SYSTEM FOR INTERACTIVE COMPUTING
				MUSIC RELEASE II INSTALLED USER PROGRAM RELEASE NOTICE
				PROGRAM NUMBER 5796-AAT

71	G320-1409-1		CONSOLIDATED FUNCTIONS EQUITY PRODUCTS (CFEP) VARIABLE ANNUITIES, MUTUAL FUNDS - DATAMANN INC., ANNOUNCEMENT NOTICE INSTALLED USER - PROGRAM NUMBER 5796-AAP
81	G320-1415-1		S/360-S/370 YALE ALUMNI RECORDS DATA SYSTEM (YARDS) ANNOUNCEMENT NOTICE - IUP NUMBER 5796-ABF
63	G320-1418-1		ON-LINE ORDER SYSTEM - JAMES ALLAN AND SONS - ANNOUNCEMENT NOTICE - IUP NUMBER 5796-ABK
67	G320-1420-2		DEMAND DEPOSIT ACCOUNTING SYSTEM WITH OVERDRAFT BANKING THE PLANTER NATIONAL BANK AND TRUST COMPANY, ROCKY MOUNT, NORTH CAROLINA ANNOUNCEMENT NOTICE - PROGRAM NUMBER 5796-ABL
64	G320-1439-1		S/370 FILM LIBRARY MANAGEMENT SYSTEM (FLMS) RELEASE NOTICE PROGRAM NUMBER 5796-ACW
80	G320-1440-1		RESPONSIBILITY ACCOUNTING SYSTEM ANNOUNCEMENT NOTICE - IUP NUMBER 5796-ACA
64	G320-1441-0		STUDENT RESPONSE ANALYSIS PROCESSORS (STRAP) FOR S/370 THE OHIO STATE UNIVERSITY - IUP NUMBER 5796-ACX
73	G320-1516-2		AN APL TEXT EDITOR AND COMPOSER 5796-PAC IS READY FOR SHIPMENT - AVAILABILITY NOTICE - PROGRAM NUMBER - 5796-PAC
81	G320-1517-1		APL/PDTS PROGRAMMING DEVELOPMENT TRACKING SYSTEM (PDTs): IUP AVAILABILITY NOTICE PROGRAM NUMBER 5796-PAD
78	G320-1518-1		FLIGHT DATA DISPLAY SYSTEM - IUP AVAILABILITY NOTICE PROGRAM NUMBER 5796-PAE
78	G320-1519-0		FLIGHT DATA DISPLAY SYSTEM, GENERAL INFORMATION MANUAL PROGRAM NUMBER 5796-PAE
73	G320-1520-2		SCRIPT/370 (5796-PAF) IS READY FOR SHIPMENT AVAILABILITY NOTICE
80	G320-1521-1		DATA DICTIONARY/DIRECTORY WITH CMIS DATA ELEMENT GLOSSARY (5796-PAG) IUP AVAILABILITY NOTICE - PROGRAM NUMBER 5796-PAG
75	G320-1522-1		MULTICOLUMN DISTILLATION PROGRAM - AVAILABILITY NOTICE IUP - 5796-PAH
80	G320-1523-1		DBPROTOTYPE (5796-PBB), IMSMAP (5796-PBC), PLIMS (5796-PBF), BTS (5796-PBD), TEST IMS UTILITIES (5796-PBE) ARE NOW READY FOR SHIPMENT AVAILABILITY NOTICE
72	G320-1524-1		CYCLE-TIME SIMULATOR SYSTEM AVAILABILITY NOTICE - IUP NUMBER 5796-PBG
63	G320-1525-1		IBM WAREHOUSE SIMULATOR AVAILABILITY NOTICE IUP 5796-PBK
72	G320-1526-2#		IBM MULTIPLANT SOURCING ANNOUNCEMENT NOTICE - IUP NUMBER 5796-PBL
80	G320-1529-0		3270 FORMATTING FEATURE FOR BATCH TERMINAL SIMULATOR IUP 5796-PBD - NOTICE
37	G320-1530-0		TEST DATA GENERATOR FOR SYSTEM/370 - IUP 5796-PBP - NOTICE
80	**G320-1532-0		DATA COMMUNICATIONS ANALYZER IUP 5796-PCA, NOTICE
73	**G320-1533-0		TERMTEXT/FORMAT - IUP 5796-PBR NOTICE
64	**G320-1534-1		LIBRARY ACCESS SYSTEM - CIRCULATION CONTROL
85	G320-1621-29+		IBM MARKETING PUBLICATIONS KWIC INDEX
36	G320-1973-1		CP-67/CMS VERSION 3.1: OPERATOR'S REFERENCE GUIDE (SUMMARY), PROG. NO. 360D-05.2.005
63	G320-8062-1		DISTRIBUTION ORDER ENTRY SYSTEM - S/370 AND 3270'S, 2319/3330/3340 SUPPORT, LAG DRUG CO.: IUP 5796-ABT NOTICE
82	G320-8063-0		ADVANCED STATISTICAL ANALYSIS PROGRAM ASTAP ANNOUNCEMENT NOTICE - IUP NUMBER 5796-PBH
63	G320-8065-1		THE TWIN FAIR MERCHANDISE PROCESSING SYSTEM FOR SYSTEM/370 CICS AND 3270'S AT TWIN FAIR DISTRIBUTORS CORP.: IUP 5796-ADB NOTICE
72	G320-8067-1#		GENERALIZED CREATE/REORGANIZE UTILITY SYSTEM FOR S/370
	G320-8067-0#		EASTMAN KODAK - RELEASE NOTICE - IUP NUMBER 5796-ACZ
78	**G320-8071-1#		FREIGHT BILL AUDIT AND RATING SYSTEM IUP 5796-AEJ,
	G320-8071-0#		RELEASE NOTICE
67	G320-8074-0#		SYSTEM/370 MICR OS TRANSIT SYSTEM, INDIANA NATIONAL BANK: IUP 5796-ADG NOTICE
81	G320-8088-0		S/370 CICS ON-LINE TEST/DEBUG CON EDISON - IUP 5796-AEF NOTICE
81	G320-8089-0		S/370 CICS/COBOL CALL INTERFACE NATIONAL BANK OF DETROIT IUP 5796-AEG NOTICE
79	**G320-8094-1		COMPUTER GENERATES CORRESPONDENCE - IUP 5796-AER, RELEASE NOTICE
63	**G320-8097-0		DISTRIBUTION ORDER ENTRY SYSTEM FOR SYSTEM 360/370 with 3270's 3340 SUPPORT - IUP 5796-ABT, NOTICE
87	G520-2326-0	GN23-0735	IBM EDUCATION - A COURSE OF ACTION - SELF STUDY - COURSES AND STUDENT MATERIALS CATALOG
87	G520-2467-1#		COURSE SELECTION GUIDE - DP EDUCATION FOR MANAGERS

## Part 4. Library Charts

The following Machine System and I/O library charts are arranged according to the numbers of the system models and the I/O devices. The order number listed under the "I/O Configurator" column heading of the Machine System chart (below) shows the models of System/360 or

System/370 to which an I/O device can be attached.

The operating system charts that follow these six are arranged to show the associations among programming publications and the manuals associated with different programming needs.

### Machine System (see next page for I/O)

SYSTEM PUBLICATIONS	System Summary	System Reference	System Physical Planning Reference	I/O Configurator	
	System/370 System/360	GA22-7001 GA22-6810	GA22-7000 GA22-6821	GC22-7004 GC22-6820	GA22-7002 GA22-6823
MODEL PUBLICATIONS	Model Reference	Model Configurator	Model Operating Procedures	Model Physical Planning Template	Other Features
System/370					
Model 115	GA33-1510	GA33-1511		GX22-7028	
Model 125	GA33-1506	GA33-1507	GA33-1509	GX22-7021	
Model 135	GA33-3005 GA33-3010	GA33-3014	GC38-0005	GX22-7008	GA33-3007 GA33-3008 GA33-3009 GA33-3011
Model 145	GA24-3557 GA24-3573		GC38-0015	GX22-7005	
Model 155	GA22-6942 GA22-6962	GA22-6957	GA22-6966	GX22-7006	GA22-7017
Model 158	GA22-7011 GA22-7012	GA22-7013	GC38-0025	GX22-7023	
Model 165	GA22-6935	GA22-6956	GA22-6969	GX22-7007	GA22-6955 GA22-6958 GA22-6963
Model 168	GA22-7010	GA22-7014	GC38-0030	GX22-7022	GA22-6955 GA22-6958 GA22-6963
Model 195	GA22-6943	GA22-6944	GA22-6954	GX22-6981	
MODEL PUBLICATIONS	Model Reference	Model Configurator	Model Operating Procedures	Model Physical Planning Template	Other Features
System/360					
Model 22	GA24-3572 GA24-3579		GA24-3574	GX22-6894	
Model 25	GA24-3510	GA24-3511	GA24-3523	GX22-6894	GA24-3512 GA24-3524 GA24-3526
Model 30	GA24-3231 GA24-3411	GA24-3232	GA24-3373	GX22-6894	GA24-3255 GA24-3365
Model 40	GA22-6881	GA22-6813	GA22-6911	GX22-6894	GL22-6902 GL22-6903 GL22-6904
Model 44	GA22-6875	GA22-6874	GA22-6910	GX22-6914	GA22-6900
Model 50	GA22-6898	GA22-6814	GA22-6908	GX22-6914	GA27-2717
Model 65	GA22-6884	GA22-6887	GA27-2728	GX22-6856 GX22-6924	GA27-2715 GA27-2716 GA27-2717
Model 67	GA27-2719	GA27-2713		GX22-6905	GA27-2715
Model 75	GA22-6889	GA22-6888	GA22-6909	GX22-6856	
Model 85	GA22-6916	GA22-6920	GA22-6927	GX22-6923	GA27-2733
Model 91	GA22-6907	GA22-6907			
Model 195	GA22-6943	GA22-6944	GA22-6954	GX22-6981	

**I/O (Five Charts)**

<i>I/O Device or Control Unit Publication</i>	<i>Publication Order Number</i>		<i>I/O Device or Control Unit Publication</i>	<i>Publication Order Number</i>	
	<i>Reference Manual</i>	<i>Physical Planning Template</i>		<i>Reference Manual</i>	<i>Physical Planning Template</i>
System/3 Computing System	GC20-8080	T57 314* K57 449*	1255 Magnetic Character Reader Models 21-23	GA19-0047*	
System/7 Computing System	GA34-0002	T57 503* K57 507*	1259 Magnetic Character Reader Models 1, 2	GA24-3500	GX22-6860† T57 411* K57 405*
50 Magnetic Data Inscrber Model 1	GA27-2725		1259 Magnetic Character Reader Models 31-34		T57 411* K57 405*
1001 Data Transmission Terminal Model 3	GA24-1029 (GA21-9138)		1270 Optical Reader Sorter Models 1-4	GA19-0035*	T57 492* K57 493*
1017 Paper Tape Reader Models 1, 2	GA33-4500	GX22-6834† T57 413* K57 407*	1275 Optical Reader Sorter Models 2, 4	GA19-0034*	T57 411* K57 405*
1018 Paper Tape Punch Model 1	GA33-4500	GX22-6834† T57 413* K57 407*	1285 Optical Reader Model 1	GA24-3256	GX22-6860† T57 241* K57 158*
1030 Data Collection System (1031, 1032, 1033, 1034, 1035)	GA24-3018	GX21-9030† T57 317* K57 416*	1287 Optical Reader Models 1-5	GA21-9064	GX22-6860† T57 238* K57 155*
1050 Data Communication System (1051, 1052, 1053, 1054, 1055, 1056, 1057/1058)	GA24-3020	GX24-3381† T57 318* K57 417*	1288 Optical Page Reader Model 1	GA21-9081	GX22-6860† T57 249* K57 166*
1051 Control Unit Models 1, N1	(GA24-3471) (GA24-3474)	GX22-6894† T57 318* K57 417*	1403 Printer Models 2, 3, 7, or N1	GA24-3073 (GA24-3312)	GX22-6834† T57 215* K57 352* T57 216* K57 161*
1052 Printer Keyboard Models 3, 5, 6, 7, 8	GA24-3471 (GA22-6877)	GX22-6894† T57 318* K57 417*	1404 Printer Model 2	GA24-1446 (GA24-3312)	GX22-6834†
1053 Printer Models 1, 4	GA24-3471 GA24-3474	GX22-6894† T57 318* K57 417*	1412 Magnetic Character Reader Model 1	GA24-1421	GX22-6860† T57 246* K57 163*
1060 Data Communication System (1061, 1062)	GA24-3034	T57 321* K57 418*	1418 Optical Character Reader Models 1-3	GA24-1473	GX22-6860† T57 247* K57 164*
1070 Process Communication System (1071, 1072)	GA26-5989	GX26-5962†	1419 Magnetic Character Reader Model 1	GA24-1499	GX22-6860† T57 248* K57 165*
1092 Programmed Keyboard Models 1, 2	GA24-3266	GX24-3238†	1419 Magnetic Character Reader Models 31, 32	GA19-0023*	T57 248* K57 165*
1093 Programmed Keyboard Models 1, 2	GA24-3266	GX24-3238†	1428 Alphameric Optical Reader Models 1-3	GA24-1473	GX22-6860† T57 247* K57 164*
1130 Computing System (1131, 1132, 1133, 1134, 1055)	GA26-1575	GX26-5997† T57 313* K57 420*	1442 Card Punch Models 5, N1, N2	GA21-9025 (GA21-9042)	GX22-6834† T57 219* K57 167*
1231 Optical Mark Page Reader Model N1	GA21-9012 (GA21-9031)	GX22-6860† T57 240* K57 157*	1443 Printer Model N1	GA24-3120	GX22-6834† T57 250* K57 170*

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<i>I/O Device or Control Unit Publication</i>	<i>Publication Order Number</i>		<i>I/Q Device or Control Unit Publication</i>	<i>Publication Order Number</i>	
	<i>Reference Manual</i>	<i>Physical Planning Template</i>		<i>Reference Manual</i>	<i>Physical Planning Template</i>
1445 Printer Model N1	GA24-3120	GX22-6834† T57 250* K57 170*	2313 Disk Storage Model A1	GA26-3599	GX22-6858† T57 400* K57 401*
1800 Data Acquisition and Control System	GA26-5753	GX26-3573† T57 330* K57 372*	2314 Direct Access Storage Facility, Model 1	GA26-3599	GX22-6858† T57 430* K57 434*
1827 Data Control Unit Model 1	GA22-6868	GX26-5508† T57 331* K57 372*	2314 Storage Control Models A1, B1	GA26-3599	GX22-6858† T57 400* K57 401* T57 510* T57 511*
2150 Console Model 1	GA22-6877	GX22-6859† T57 252* K57 172*	2318 Disk Storage Model A1	GA26-3599	GX22-7008†
2152 Printer-Keyboard Model 1	(GA26-5847) (GA26-5889)	GX26-5508† T57 203*	2319 Disk Storage Models A1-A3, B1, B2	GA26-1606	GX22-7008† GX22-6858† GX22-7005† T57 301* K57 395* T57 510* K57 511*
2203 Printer Models A1, A2	GA26-5926	GX26-5508† T57 211* K57 205*			
2250 Display Unit Models 1, 3	GA27-2701 GA27-2702 GA27-2721	GX22-6859† T57 253* K57 173*	2321 Data Cell Drive Model 1	GA26-5988 (GA26-3633)	GX22-6858† T57 257* K57 177*
2260 Display Station Models 1, 2	GA27-2700	GX22-6859† T57 092* K57 097*	2401 Magnetic Tape Unit Models 1-6, 8	GA22-6866	GX22-7037† T57 259* K57 179*
2265 Display Station Model 1	GA27-2731	GX22-6859† T57 308* K57 363*	2402 Magnetic Tape Unit Models 1-6	GA22-6866	GX22-6855† T57 260* K57 180*
2285 Display Copier Model 1	GA27-2730	GX22-6859† T57 253* K57 173*	2403 Magnetic Tape Unit and Control, Models 1-6	GA22-6866	GX22-6855† T57 261* K57 181*
2301 Drum Storage Model 1	GA22-6895	GX22-6858† T57 255* K57 175*	2404 Magnetic Tape Unit and Controls, Models 1-3	GA22-6866	GX22-6855† T57 261* K57 181*
2302 Disk Storage Models 3, 4	GA26-5988	GX22-6858† T57 242* K57 159*	2415 Magnetic Tape Unit and Control, Models 1-6	GA22-6866	GX22-7038† T57 410* K57 409*
2303 Drum Storage Model 1	GA26-5988	GX22-6858† T57 346* K57 349*	2420 Magnetic Tape Unit Model 5	GA32-0007	GX22-7039† T57 099* K57 093*
2305 Fixed Head Storage Models 1, 2	GA26-1589	GX22-6858† T57 502* K57 506*	2420 Magnetic Tape Unit Model 7	GA22-6866	GX22-7039† T57 425* K57 447*
2311 Disk Storage Drive Models 1, 11, 12	GA26-5988	GX22-6858† T57 256* K57 176*	2495 Tape Cartridge Reader Model 1	GA27-2726	GX22-7041† T57 309* K57 421*
2312 Disk Storage Model A1	GA26-3599	GX22-6858† T57 400* K57 401*	2501 Card Reader Models A1, A2	GA26-5892	GX22-6834† T57 212* K57 206*

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	<i>Reference Manual</i>	<i>Physical Planning Template</i>		<i>Reference Manual</i>	<i>Physical Planning Template</i>
2501 Card Reader Models B1, B2	GA21-9026	GX22-6834† T57 090* K57 095*	2772 Multi-Purpose Control Unit Model 1	GA27-3013 (GA27-3014)	GX27-2909† T57 316* K57 414*
2520 Card Read Punch Model A1	GA26-5891	GX22-6834† T57 213* K57 207*	2780 Data Transmission Terminal Models 1-4	GA27-3005	T57 310* K57 422*
2520 Card Read Punch Model B1	GA21-9027	GX22-6834† T57 091* K57 096*	2790 Data Communication System (2791, 2792, 2793, 2795, 2796, 2797, 2798)	GA27-3015	
2520 Card Punch Models A2, A3	GA26-5891	GX22-6834† T57 213* K57 207*	2803 Tape Control Models 1-3	GA22-6866	GX22-6858† T57 266* K57 186*
2520 Card Punch Models B2, B3	GA21-9027	GX22-6834† T57 213* K57 207*	2804 Tape Control Models 1-3	GA22-6866	GX22-7043† T57 266* K57 186*
2540 Card Read Punch Model 1	GA24-3312 (GA21-9033)	GX22-6834† T57 244* K57 160*	2816 Switching Unit Model 1	GA22-6866	GX22-7044† T57 268* K57 186*
2560 Multi-Function Card Machine, Models A1, A2	GA26-5893	GX22-6834† T57 214* K57 208*	2820 Storage Control Model 1	GA22-6895	GX22-6858† T57 269* K57 189*
2596 Card Read Punch Model 1	GA21-9144	GX22-6834† T57 522* K57 523*	2821 Control Unit Models 1-6	GA24-3312	GX22-6834† T57 270* K57 190*
2671 Paper Tape Reader Model 1	GA24-3388	GX22-6834† T57 272* K57 192*	2822 Paper Tape Reader Control Model 1	GA24-3388	GX22-6834† T57 272* K57 192*
2701 Data Adapter Unit Model 1	GA22-6846 (GA22-6864)	GX22-6857† T57 263* K57 183*	2826 Paper Tape Control Model 1	GA33-4500	GX22-6834† T57 413* K57 407*
2702 Transmission Control Model 1	GA22-6846	GX22-6857† T57 264* K57 184*	2835 Storage Control Models 1, 2	GA26-1589	GX22-6858† T57 502* K57 506*
2703 Transmission Control Model 1	GA27-2703	GX22-6857† T57 437* K57 438*	2840 Display Control Model 2	GA27-2721	GX22-6859† T57 273* K57 193*
2711 Line Adapter Unit Model 1	GA27-2704	GX22-6857† T57 444* K57 443*	2841 Storage Control Model 1	GA26-5988	GX22-6858† T57 274* K57 194*
2715 Transmission Control Unit Models 1, 2	GA27-2704	GX22-6857† T57 329* K57 397*	2844 Auxiliary Storage Control Model 1	GA26-3599	GX22-6858† T57 445* K57 446*
2740 Communication Terminal Models 1, 2	GA24-3403 (GA27-3001)	GX21-9155† T57 440* K57 442*	2845 Display Control Model 1	GA27-2731	T57 308* K57 363*
2741 Communication Terminal Model 1	GA24-3415	GX21-9155† T57 440* K57 442*	2848 Display Control Models 1, 2, 3, 21, 22	GA27-2700	GX22-6859† T57 092* K57 097*

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	<i>Reference Manual</i>	<i>Physical Planning Template</i>		<i>Reference Manual</i>	<i>Physical Planning Template</i>
3203 Printer Models 1, 2	GA22-7001	GX22-7021† GX22-7028† T57 486* K57 487*	3600 Finance Communication System (3601, 3604, 3610, 3612, 3614, 3618)	GA27-2764 (GC27-0001)	GX27-2955† GX10-0037*
3210 Console Printer-Keyboard Models 1, 2	GA24-3552	GX22-6859†	3650 Retail Store System (3651, 3653, 3275, 3284, 3657, 3659)	GA27-3075 (GA27-3074)	
3211 Printer Model 1	GA24-3543	GX22-6834† T57 336* K57 370*	3660 Supermarket System (3651, 3663, 3666, 3669)	GA27-3076 (GA27-3074)	
3213 Console Printer Model 1	GA22-7001	GX22-6859† T57 458* K57 459*	3670 Brokerage Communication System (3671, 3672, 3673, 3674)	GA27-3050 (GA27-3049)	
3215 Console Printer-Keyboard Model 1	GA24-3550	GX22-6859†	3704 Communications Controller Models A1-A4	GA27-3051	GX22-7032† K57 470* T57 471*
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			3886 Optical Character Reader Model 1	GA21-9147	GX22-6860† T57 480* K57 481*

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<i>I/O Device or Control Unit Publication</i>	<i>Publication Order Number</i>	
	<i>Reference Manual</i>	<i>Physical Planning Template</i>
3886 Optical Character Reader Model 2	GA21-9154	GX22-6860† T57 480* K57 481*
3890 Document Processor Models A1-A6	GA24-3602	GX22-7031†
3944 Dial Terminal Model 10	GA19-0010*	
3945 Telegraph Line Termination Models 11, 12	GA19-0013*	
3974 Modulator Models 1, 2	GA19-0016*	
3975 Demodulator Models 1, 2	GA19-0016*	
3976 Modem Models 1-3	GA19-0041* (GA19-0042*) (GA19-0021*)	
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5275 Direct Numerical Control Station, Model 1	GA34-0016 (GA34-1531)	
5425 Multi-function Card Unit Models A1, A2	GA21-9167	GX22-7021† GX22-7028† T57 468* K57 469* T57 490* K57 491*
7770 Audio Response Unit Model 3	GA27-2712	GX22-6857† T57 278* K57 198*
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**GENERAL**

Introduction GC28-6534	Master Index GC28-6644 GY28-6717 (PLM)	Bibliography GA22-6822	OS FE Handbook S228-3169	<b>Release Guides</b> 19 GC28-6733-1 20.7 GN28-2516 20.0 GT28-6730 21.0 GT00-0072 20.1 GT00-0027 21.6 GT00-0122 20.6 GN28-2498 21.7 GC28-6730-5 GN28-2514
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**SYSTEM PLANNING/ INSTALLATION**

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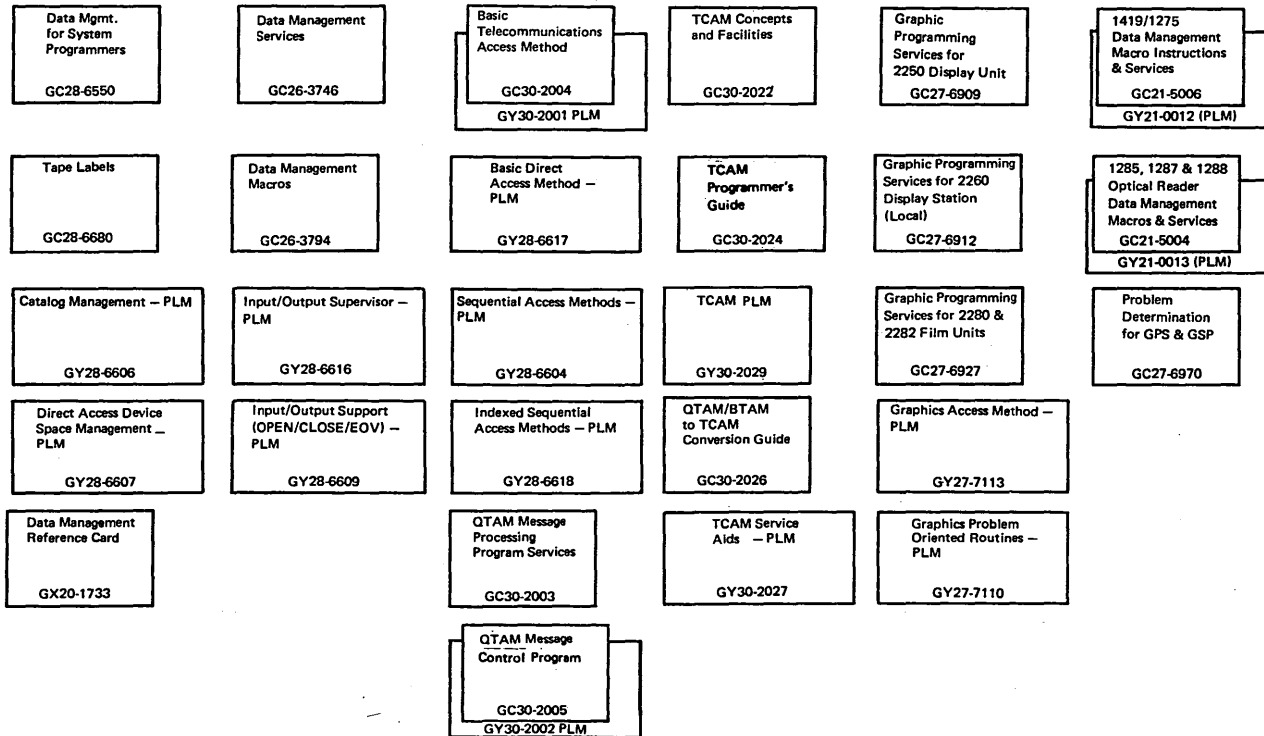
**CONTROL PROGRAM**

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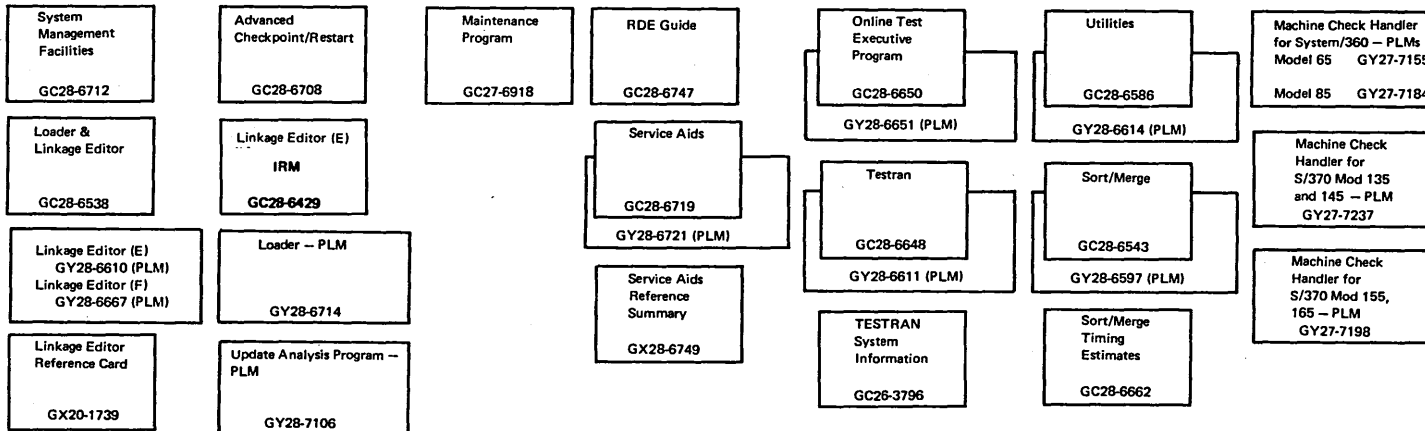
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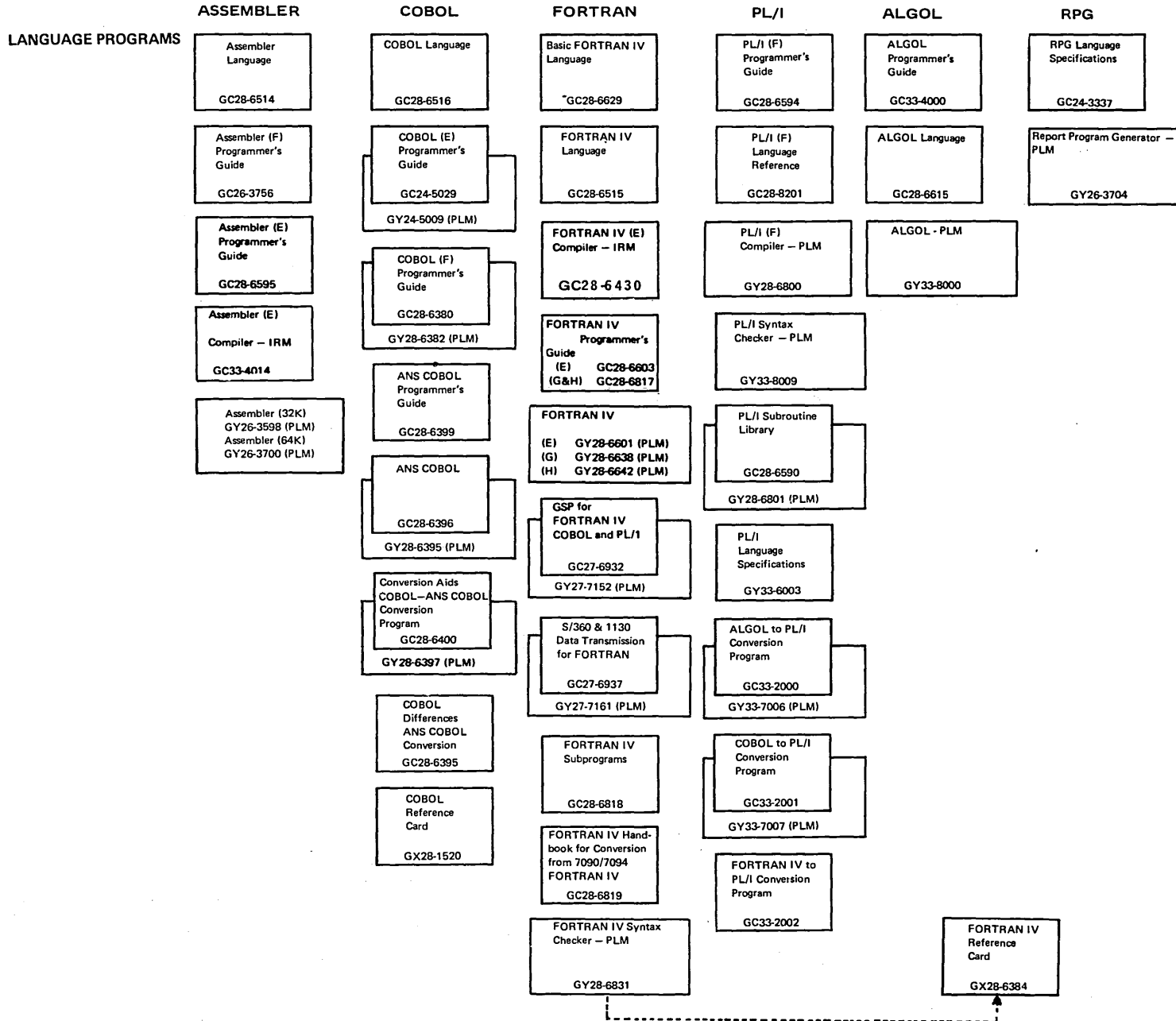
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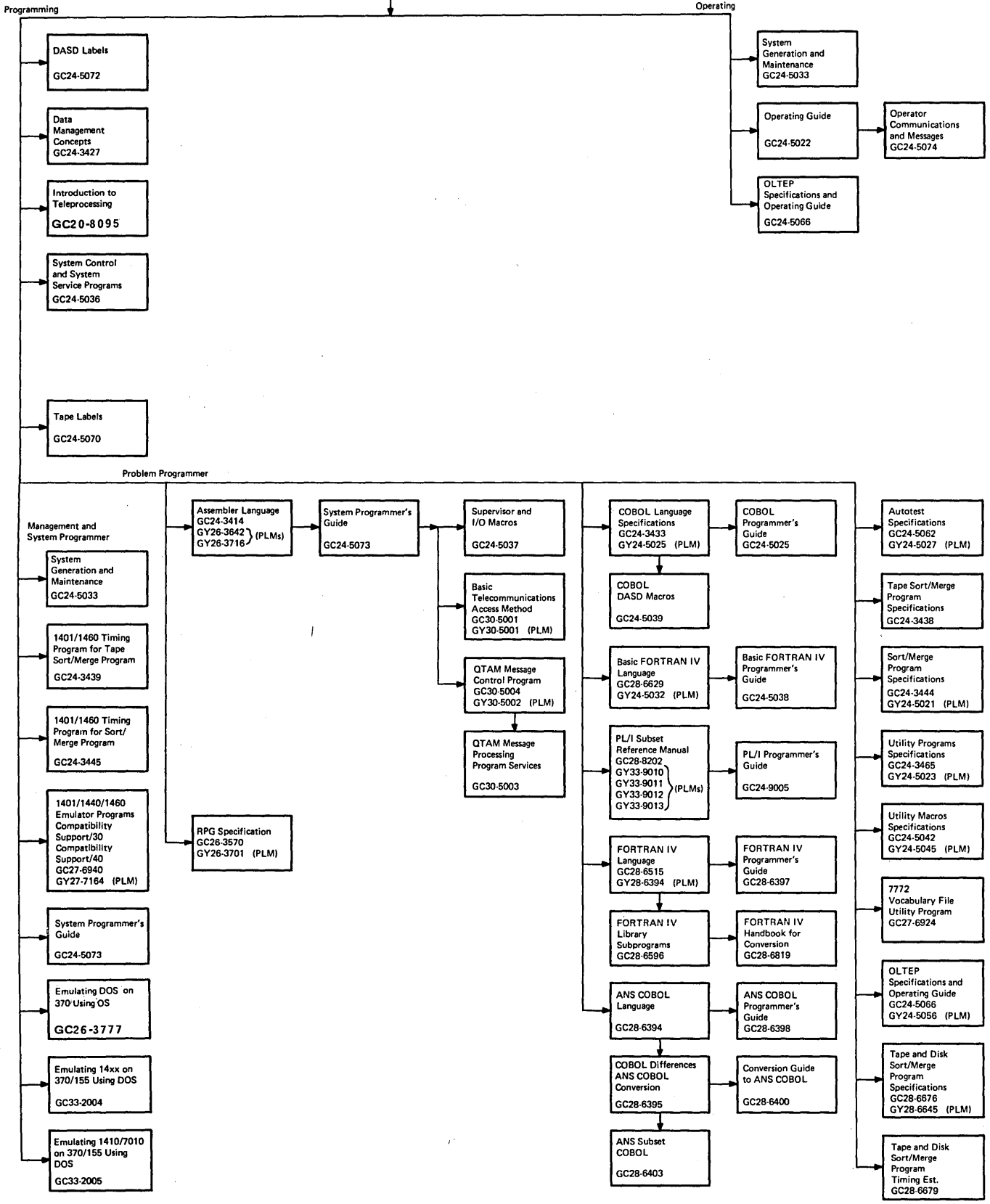
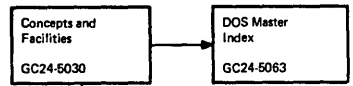
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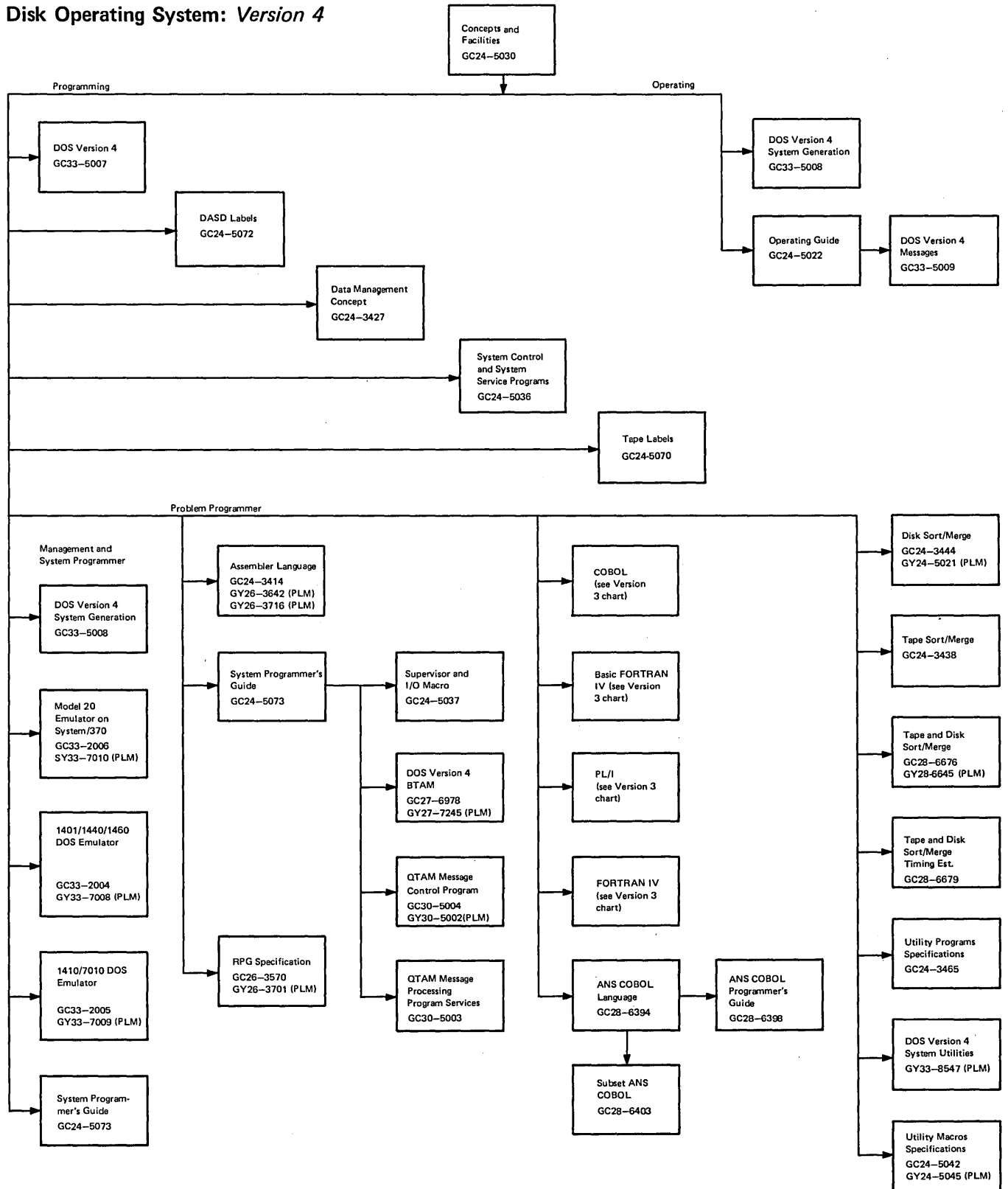


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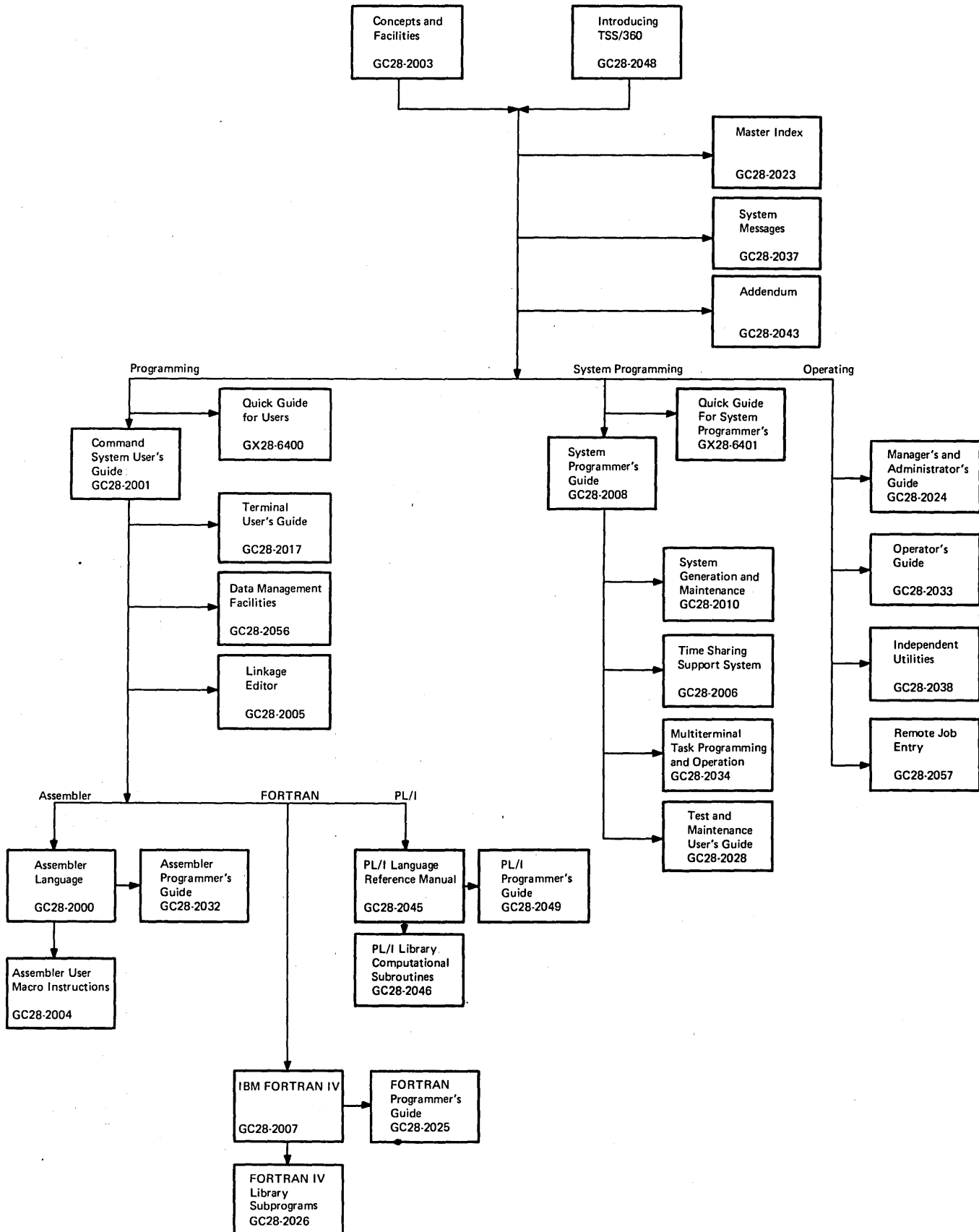




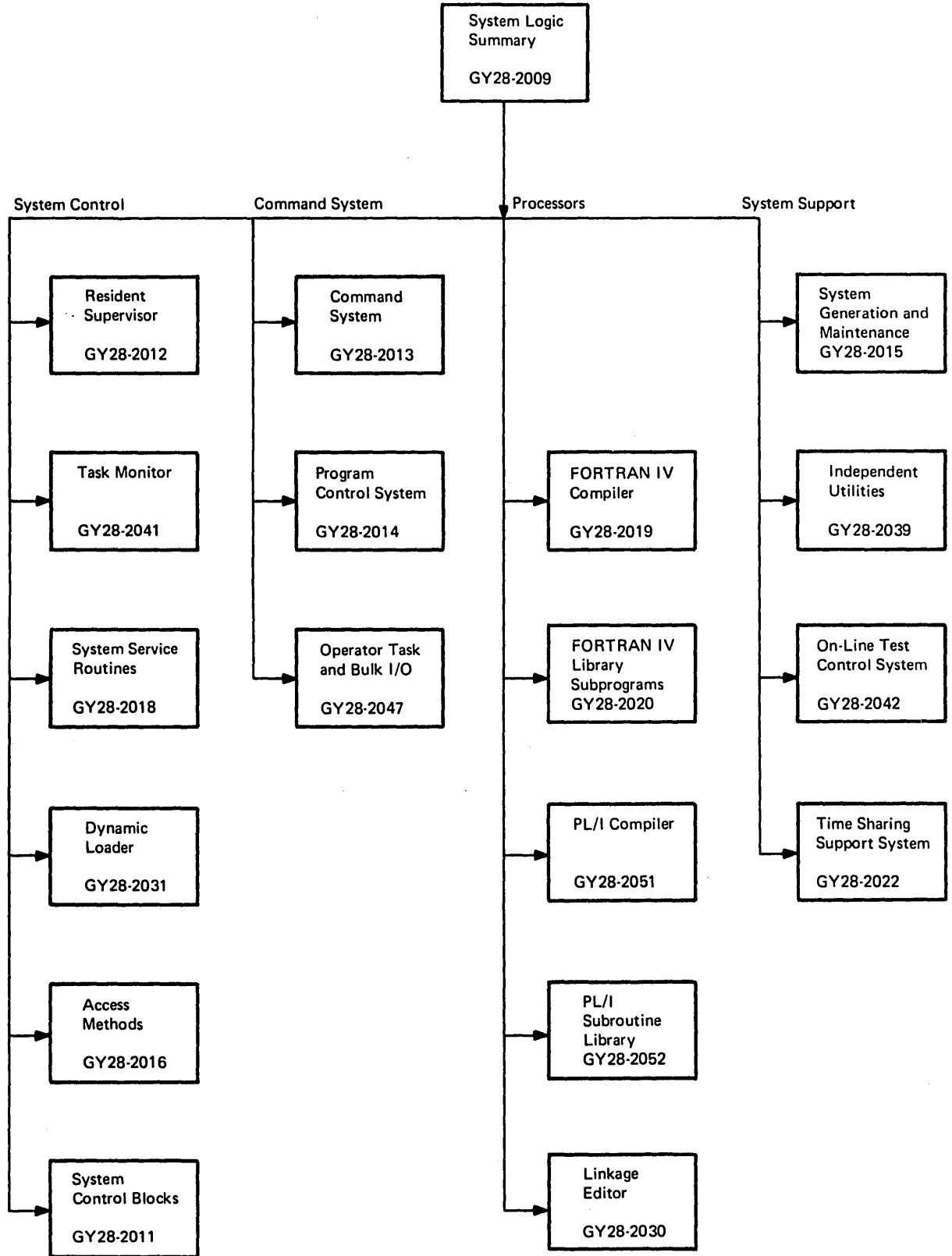
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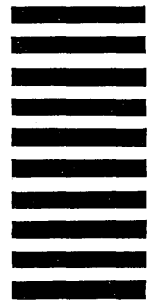
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