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01101 CAV208M45541 UP 9106	Departing System/3 (OS/3)
SPERRY UNIVAC 1 - 1818 CORNWALL STREET VANCOUVER B C	COBOL Editor (COBEDT)
V6J 1C7	Reference
	UP-9106

This Library Memo announces the release and availability of "SPERRY UNIVAC[®] Operating System/3 (OS/3) COBOL Editor (COBEDT) User Guide/Programmer Reference", UP-9106.

This manual describes the use of the COBOL editor to create and update COBOL source programs. Specifically, it explains and illustrates how to activate the COBOL editor, use it to create new source programs, use it to update existing COBOL source programs, and then terminate it. The manual also describes the editing commands available to the COBOL programmer and shows how the COBOL editor works with the OS/3 general editor (EDT).

Additional copies may be ordered by your local Sperry Univac representative.

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THIS SHEET IS

Library Memo for UP-9106

RELEASE DATE:

October, 1982



COBOL Editor (COBEDT)





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UP-9106

This document contains the latest information available at the time of preparation. Therefore, it may contain descriptions of functions not implemented at manual distribution time. To ensure that you have the latest information regarding levels of implementation and functional availability, please consult the appropriate release documentation or contact your local Sperry Univac representative.

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This document was prepared by Systems Publications using the SPERRY UNIVAC UTS 400 Text Editor. It was printed and distributed by the Customer Information Distribution Center (CIDC), 555 Henderson Rd., King of Prussia, Pa., 19406.

PAGE STATUS SUMMARY

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Preface

This manual is one of a series designed to instruct and guide the user in the use of the SPERRY UNIVAC Operating System/3 (OS/3). It specifically describes the purpose and use of the COBOL editor (COBEDT), an interactive component of OS/3.

The intended audience is the novice user who has little knowledge of data processing and the COBOL language, or the more experienced user who may or may not be familiar with COBEDT.

This manual is divided as follows:

Section 1. Introduction

Explains what COBEDT is, what it's used for, and how it operates with the general editor (EDT).

Section 2. Workstation Considerations

Introduces features of the workstation and describes the structure and format conventions for COBEDT screens.

Section 3. Using COBEDT

Describes how to initiate and terminate the COBEDT session.

 Section 4. Creating COBOL Source Programs in Ordered Creation Mode

Explains how to create COBOL source programs in the standard COBOL program order by using the COBEDT display screens. It also tells how to interactively compile COBOL programs and describes all the available ordered creation mode screens.

 Section 5. Creating COBOL Source Programs in Selective Creation Mode

Explains how to selectively create portions of a COBOL source program by using the COBEDT display screens and describes all the available selective creation mode screens.

- Section 6. Editing COBOL Source Programs
- . Explains through sample sessions how to edit COBOL source programs by using EDT commands in the COBEDT or the EDT environment.
- Appendix A. Procedure Division Verb Skeletons Screens

Describes the purpose of the verb syntax skeleton screens and how to display them and shows all the available verb syntax skeleton screens.

Appendix B. General Editor Command Summary

Presents all the general editor commands, their formats, and a brief description of their functions.

Appendix C. Workstation Command List

Presents all the workstation commands and their formats.

The current versions of the following manuals are helpful to the COBEDT user in both the System 80 and Series 90 environments:

 General Editor (EDT) User Guide/Programmer Reference, UP-8828

Describes the functions of the general editor commands and how to use them.

 Interactive Services Commands and Facilities User Guide/Programmer Reference, UP-8845

Describes the commands and operating procedures for workstation terminals.

 Interactive Services Commands and Facilities Summary, UP-8938

Summarizes the workstation commands.

■ 1974 ANSI COBOL Programmer Reference, UP-8613

Presents the rules for writing COBOL programs to be compiled by the 1974 ANSI COBOL compiler and executed under the control of OS/3.

 System Service Programs (SSP) User Guide, UP-8841 (System 80)
 System Service Programs (SSP) User Guide, UP-8062 (Series 90)

Describe various system utilities (librarian, linkage editor, etc).

System Messages Programmer/Operator Reference, UP-8076

Describes the OS/3 system error messages.

 Spooling and Job Accounting Concepts and Facilities, UP-8869

Describes basic spooling and job accounting concepts and options available to control spooling systems.

■ Job Control User Guide, UP-8065

Describes job control and its effective use.

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1. Introduction

1.1. WHAT COBEDT IS USED FOR

Sperry Univac provides as part of Operating System/3 (OS/3) a COBOL editor, called COBEDT, to make COBOL source entry fast and easy.

As you may know, COBOL is a programming language resembling English. Just as in English, certain rules must be observed. Among the COBOL rules are that source statements must appear in a particular order and that each source statement must be entered in a particular column range or position.

In addition to these rules, COBOL has so many options that even experienced users have to refer to the COBOL reference manual frequently.

As a result, it is tedious to code large COBOL programs.

Well, COBEDT can make the work a lot simpler for you.

Creating/updating programs interactively Immediate error and syntax checking First, COBEDT is an interactive product. With it, you can create and update your COBOL source programs from a workstation. You can see your source entries displayed on the workstation screen as you key them in and therefore can check immediately for coding and typographical errors. Upon transmission of your entries, COBEDT also does a syntax check on them. Thus, there is yet another way of eliminating the traditional "first compilation" trivial errors before the program is compiled.

Screen formats Second, COBEDT gives you screen formats to enter your source elements. The screen formats contain such things as required COBOL statements and directions for entering variable data. These formats may be displayed in sequence to prompt the inexperienced user through the creation of a COBOL source program, or the formats may be used on a selective basis for the more experienced user.

Now that you know what COBEDT can generally do for you, let's see exactly what COBEDT is and how it works.

1.2. WHAT COBEDT IS AND HOW IT WORKS

	COBEDT is actually a subeditor of the general editor (EDT). It is activated from EDT and uses many of the facilities of EDT. Thus, you should be familiar with EDT before you start using COBEDT. For convenience, a brief overview of EDT is provided here. For a complete discussion of EDT, see the general editor (EDT) user guide/programmer reference.
	EDT automatically creates a temporary disk file (known as the EDT work-space file) each time EDT is activated. This
Work-space file	work-space file lasts for the duration of the EDT session, and it is here that all programs and files are created and updated. COBEDT uses this same work-space file when you create and
Line number	update your COBOL programs. The work-space file has line numbers associated with it. You use these line numbers with COBEDT to both reference and manipulate your source code.
Creating programs	To create a new COBOL program via COBEDT, enter your source code into the EDT work-space file as shown in Figure 1-1. When

- all entries are made, you can then save a copy of the work-space file by writing it (via the EDT @WRITE command) to a permanent SAT file. Or, you can list it on the printer (via the EDT @LIST command) or even punch it on cards (via the EDT @PUNCH command).
- To update an existing COBOL program via COBEDT, first read a Updating programs copy of the program into the work-space file via the EDT @READ command. The @READ command reads and then writes a copy of your program into the work-space file, and it also keeps the original version of your program in your library (permanent SAT file), thus providing you with a backup copy. All updating to your program is done in the work-space file. Once you finish updating your program, you can (as when creating a program) use EDT to save it, print it, or punch it.

NOTE:

Screen mode of EDT

To make minor changes to your source program without syntax checking, use the screen mode of EDT. For detailed information, see the general editor (EDT) user guide/programmer reference.

Figure 1-1 shows how COBEDT operates with EDT to create a COBOL source program, while Figure 1-2 shows how COBEDT operates with EDT in updating a program.



*COBOL programs must be written to SAT files to be compiled.

Figure 1–1. Creating a COBOL Program



*COBOL programs must be written to SAT files to be compiled.

Figure 1–2. Updating a COBOL Program

1.3. COMMAND CONVENTIONS USED IN THIS MANUAL

The following command conventions are used in this manual:







2. Workstation Considerations

2.1. LOGGING ON AND LOGGING OFF

Logging On

Since COBEDT is an interactive product, you access COBEDT via the workstation. If you're the first user, turn on the workstation. Allow the workstation a few seconds to warm up. When screen 2-1 appears, the workstation is ready and you may log on. Logging on identifies you as a legitimate user and gives you access to the system.

000	000	SS	SSS	/	33	3
0000	0000	SSS	SSSS	11	333	33
00	00	SS	SS	111	33	33
00	00	SS		111		33
00	00	SS		111		33
00	00	Ś	SS	111		333
00	00		SS	///		33
00	00	SS	SS	111	33	33
0000	0000	SSS	SSSS	11	3333	3333
000	000	SS	SSS	1	33	333

Why log on?

NOTE:

Before logging on, you must check with your system administrator to get a logon user-id and, if your system requires logon account numbers and passwords, a logon account number and password.

To log on, you may carry out either one of the following operations:

Press the XMIT key, fill in the LOGON menu displayed to you (screen 2-2), and then press the XMIT key again.

SCREEN 2-2	OS/3 INTERA	CTIVE SERVICES	
	LOGON IDENTIFICATION:	USER-ID Account number Password	>< >< ><
	OPTIONS:	EXECUTION PROFILE BULLETIN LOG	>

Logging on via the LOGON command

Enter SYSTEM mode, key in the LOGON command, and then press the XMIT key.

LOGON command

LOGON∆user-id[,	acct][,pas	sword]	[,exec	-pro]
ſ	, <u>B</u> ULLETIN=		, LOG={	NO

NOTE:

You may use the System 80 console workstation, the UNISCOPE 200 terminal with a 24 (lines) by 80 (columns) screen, or the UTS 400 terminal as the workstation (the System 80 workstation).

Before you can log on from a UNISCOPE or a UTS 400 terminal, you must first sign onto ICAM.

The logon procedure for the console workstation, the UNISCOPE terminal, and the UTS 400 terminal is the same as for the workstation, except the logon menu is obtained by entering WORKSTATION mode and then pressing the transmit key.

Logging on via the LOGON menu

LOGON menu

Logging Off

When you've finished using the workstation, take these steps to log off:



Enter SYSTEM mode if you are not already in it.



Key in the LOGOFF command: LOGOFF.

Press the XMIT key.

NOTE:

The logoff procedure for the console workstation, the UNISCOPE terminal, and the UTS 400 terminal is the same as for the workstation.

For more information on logging on and off, see the interactive services commands and facilities user guide/programmer reference.

2.2. MOVING THE CURSOR AND TRANSMITTING THE SCREEN

During a COBEDT session, the cursor can be repositioned on the workstation screen by pressing any of these keys:

- Tab keys (TAB FORWARD and TAB BACK)
- Cursor scan keys 🔶 🔶 🕴 🖡
- Cursor-to-home key
- Space bar
- RETURN key

When a COBEDT screen is displayed, the cursor is in the first unprotected field (user data field). To advance the cursor from field to field, press the TAB FORWARD key.

To fill in your data or overwrite the displayed default value, move the cursor to the desired user data field and then enter the desired data. To keep the default value, simply move the cursor to another data field.

Once you make your selections and enter all the desired data, move the cursor to the bottom of the screen (past the last user data field on the screen) and then press the XMIT key to transmit the screen. If you want to keep all the default values on the screen, simply press the TAB BACK key once to move the cursor to the bottom of the screen and then press the XMIT key to transmit.

2.3. GENERAL STRUCTURE OF COBEDT SCREENS

All COBEDT screens have similar structures. The following is a line-by-line description of the general structure of these screens.

Line 1

Line 1 contains one of the three header information messages:



Lines 20 and 21 Lines 20 and 21 are for you to enter one or more EDT commands: EDT Command:@

The maximum length of this field is 128 characters. It's your responsibility to stay within this limit.

Line 22 Line 22, like line 2, contains a string of asterisks (*). Lines 2 and 22 separate user lines from system lines.

Lines 23 and 24 Lines 23 and 24 are left blank for the system to enter EDT and COBEDT error messages. Here's a sample COBEDT error message:

CEDØ2Ø NUMERIC DATA REQUIRED. Correct data and transmit.

2.4. FORMAT NOTATIONS FOR COBEDT SCREENS

General Screen Format Notations

Here are the general screen format notations other than those for COBOL source elements.



PROGRAM-ID.

ž

Here are the COBOL format notations for ordered creation mode screens.



Here are the COBOL format notations for selective creation mode screens.





Semicolons and commas (except those separating options) are optional characters. In source programs, semicolons and commas are interchangeable. For example:

[; INVALID KEY imperative-statement]

Periods must be used to terminate division and section headers, paragraph names, paragraphs in the identification and environment divisions, entries in the data division, and sentences in the procedure division. For example:

PROCEDURE DIVISION.

3. Using COBEDT

3.1. ACTIVATING COBEDT

Because COBEDT is a specialized language editor (subeditor) of Using COBEDT with EDT EDT, COBEDT can be used only while EDT is activated.

If EDT is not already activated, activate both EDT and COBEDT Activating both EDT and COBEDT by keying in:

EDT (@COBOL

Activating COBEDT only

If you are already in an EDT session, key in:

@COBOL

3.2. INITIAL DISPLAY - THE OPTION SELECT SCREEN

Once COBEDT is activated, the first workstation screen you see is the option select screen.

OS/3 EDT/COBOL		COBOL	EDITOR(V8.0/1)
Select Creation Mode : (2)		************	***********
2=Create Selected Portions	s of the COBOL Program		
NRM=Normal Continuation	CMD=Enter EDT Comman	nd Mode	

Use this screen to choose one of the two COBEDT operating modes, ordered and selective, to create your COBOL program. You also can use this screen to issue the EDT commands directly in COBEDT or to temporarily return to the EDT command mode. The following describes the options provided on the screen.

Select Creation Mode

Select option 1



when you want to create your COBOL program in the ordered creation mode. To select option 1, key in 1 over the displayed 2.

Select option 2



when you want to create your COBOL program in the selective creation mode. To select option 2, simply press the TAB FORWARD key to move the cursor to the next user field.

Continuation Code

Select CMD

Select NRM



2013 EST/COBAC Electer Crastion Rods : @ Increase Index Fragmendra 2xCrease Selected Pertions of the CODOL Program Continuation Code Wilkforms Cont // Con ET Command Rods ET Command Index ET Command Ind

when you want to temporarily return to EDT command mode and issue the EDT commands there. To select the CMD code, key in CMD over the displayed NRM. when you want COBEDT to continue its normal processing and display the next required screen. The screen that appears next depends on the option selected in the select creation mode field. The next display is the

identification division screen if option 1 was selected

```
OS/3 EDT/COBOL
                             COBOL EDITOR(V8.0/1)-Ordered Creation Mode
                  **********
                     Identification Division
                                                   Line 1.
Α
   В
IDENTIFICATION DIVISION. <Enter X if Line not to be created in Select Mode>
PROGRAM-ID.
[AUTHOR.
                                                              - 1
[INSTALLATION.
                                                              .1
[DATE-WRITTEN.
                                                              - 1
[DATE-COMPILED.
                                                              . ]
[SECURITY.
                                                              .1
Continuation Code (NRM) [Next Screen is Environment Division]
  NRM = Normal Continuation SEL = Enter Selective Creation Mode
  CMD = Enter EDT Command Mode CON = Display Control Division Screen
EDT Command:@
```

or the standard COBOL coding form screen if option 2 was selected.



EDT Command:@ Field

You may enter one or more EDT commands here without leaving COBEDT. To enter the command, place the cursor to the right of the @ sign and then key in the command.

Transmitting the Option Select Screen

Once you make all your selections on the option select screen, move the cursor to the bottom of the screen (past the last selection on the screen) and then press the XMIT key to transmit your selections to COBEDT. If you want to keep all the default options, simply press the TAB BACK key to move the cursor to the bottom of the screen and then transmit.

Invalid options If you make mistakes in selecting the options, upon transmission, COBEDT will redisplay the screen with an error message. You then correct the errors and retransmit the screen.

3.3. REENTERING COBEDT FROM EDT

To reenter COBEDT after you've temporarily returned to EDT through the CMD continuation code during a COBEDT session, key in the command:

@FORMAT

The @FORMAT command returns you to the same COBEDT creation mode as you exited and COBEDT resumes its normal processing.

NOTE:

If you use the @BLOCK screen command, be sure to terminate it before returning to COBEDT with @FORMAT. To terminate @BLOCK, use function key F14 or the @RESTORE screen command. Otherwise, you'll get errors.

Now, let's see what might result.

Example 1

SCREEN COBEDT enters the EDT command mode when this option select screen is transmitted. OS/3 EDT/COBOL COBOL EDITOR(V8.0/1) Select Creation Mode : (1) 1=Create in COBOL Program Order 2=Create Selected Portions of the COBOL Program Continuation Code (CMD) NRM=Normal Continuation CMD=Enter EDT Command Mode EDT Command:@ When you return to COBEDT by keying in SCREEN @FORMAT, the first screen displayed is the 2 identification division screen. COBOL EDITOR(V8.0/1)-Ordered Creation Mode OS/3 EDT/COBOL Identification Division Line 🚺 В A IDENTIFICATION DIVISION. <Enter X if Line not to be created in Select Mode> PROGRAM-ID. [AUTHOR. •] [INSTALLATION. .1 [DATE-WRITTEN. •1 [DATE-COMPILED. • 1 • 1 [SECURITY. Continuation Code (NRM = Normal ContinuationSEL = Enter Selective Creation ModeCMD = Enter EDT Command ModeCON = Display Control Division Screen EDT Command:@

Example 2


3.4. TERMINATING COBEDT

To terminate a COBEDT session, key in either of the following commands:

 $@\underline{COBOL} \triangle \underline{END} \\$

or

@HALT

The @COBOL END command terminates COBEDT but not EDT.

The @HALT command terminates both COBEDT and EDT.



4. Creating COBOL Source Programs in Ordered Creation Mode

4.1. GENERAL FEATURES OF THE ORDERED CREATION MODE

Two creation modes Ordered

Selective

COBEDT has two operating modes, the ordered creation mode and the selective creation mode. The ordered creation mode is designed to assist the inexperienced users in developing a COBOL source program, whereas the selective creation mode is mainly for the experienced COBOL users. (See Section 5 for the selective creation mode.)

Screens displayed before reaching the workingstorage section In the ordered creation mode, COBEDT displays a sequence of creation screens. These screens provide the information to create the COBOL source statements in the standard COBOL program order up to but not including the working-storage section of the data division. The following two screens exemplify this sequence.

S/3 EDT/COBOL ******************************	COBOL EDITOR(V8.0/1)-Ordered	Creation Mode
	Identification Division	Line nnnn.nnnn
A B		
IDENTIFICATION DIVISION. PROGRAM-ID.	<enter be="" created="" if="" in<="" line="" not="" th="" to="" x=""><th>Select Mode></th></enter>	Select Mode>
(AUTHOR.		•
LINSTALLATION.		•
LDATE-COMDILED		•
ISECURITY		•
		-
Continuation Code (****) [Next Screen is Environment Division]	
NRM = Normal Continuatio	on SEL = Enter Selective Creation M	ode
CMD = Enter EDT Command	Mode CON = Display Control Division S	creen

DS/3 EDT/COBOL	COBOL EDITOR(V8.0/1)-	Ordered Creation Mode
**********	******	****
En	vironment Division	Line nnnn.nnnn
A B		
ENVIRONMENT DIVISION. <enter< td=""><td>X if Division is not to be</td><td>created></td></enter<>	X if Division is not to be	created>
CONFIGURATION SECTION.		
SOURCE-COMPUTER. UNIVAC-OS3		
[(WITH) DEBUGGING MODE].	<enter a<="" be="" if="" is="" line="" td="" to="" x=""><td>reated></td></enter>	reated>
OBJECT-COMPUTER. UNIVAC-OS3		
((PROGRAM COLLATING) SEQUE	NCE (IS) <alp< td=""><td>habet-name>]</td></alp<>	habet-name>]
[SEGMENT-LIMIT IS <segme< td=""><td>nt-number>].</td><td></td></segme<>	nt-number>].	
Continuation Code (NRM) [Next	Screen is File Control]	
NRM = Normal Continuation	SEL = Enter Select	ive Creation Mode
CMD = Enter EDT Command Mode	SN1 = Display Spec	ial-Names 1 Screen
SCH = Display SYSCHAN Screen	SN2 = Display Spec	ial-Names 2 Screen
ALP = Display Alphabet Name	Screen SSW = Display SYSS	WCH Screen
CLN = Display Class Name Scr	een	
EDT Command:@		
******	*****	*****

Each screen serves as a template that provides spaces for you to fill in the required data to complete that portion of the program described.

The data division coding form screen When the working-storage section is reached, COBEDT displays the data division coding form screen, which provides spaces to enter your data and allows you to request other creation screens to aid in your coding. The screen is redisplayed until either COBEDT is terminated or the procedure division coding form screen is requested.

)S/3 EDT/COBOL	C	OBOL EDITOR(V8.0/1)	-Ordered Creation Mode
******	******	*****	*****
	Data Division	Coding Form	Line nnnn.nnnn
Level# Data Descr	iption		
Continuation Code d	Wext Screen	ic Data Division (
Continuation Code ((Next Screen	is Data Division C - Enter Selection	oding Form)
Continuation Code (NRM = Normal Cont CMD = Enter EDT C	NRM) (Next Screen inuation SEL Summand Mode PDC	is Data Division C = Enter Selective - Display Proceeding	oding Form) Creation Mode
Continuation Code (NRM = Normal Cont CMD = Enter EDT Co LCD - Display Log	IRMO [Next Screen inuation SEL ommand Mode PDC	is Data Division C = Enter Selective = Display Procedur	oding Form] Creation Mode e Division Coding Form
Continuation Code (NRM = Normal Cont CMD = Enter EDT C ICD = Display Inp OCD = Display Out	INFN [Next Screen inuation SEL ommand Mode PDC of CD Screen DAT	is Data Division C = Enter Selective = Display Procedur = Display Data Ite = Display Cata Ite	oding Form) Creation Mode e Division Coding Form m Description Screen
Continuation Code (NRM = Normal Cont CMD = Enter EDT C ICD = Display Inpu OCD = Display Out	INext Screen inuation SEL ommand Mode PDC ut CD Screen DAT out CD Screen CND	is Data Division C = Enter Selective = Display Procedur = Display Data Ite = Display Conditio	oding Form) Creation Mode e Division Coding Form m Description Screen n Name Screen

The procedure division coding form screen

The procedure division coding form screen provides spaces for coding the procedure division. During the process, you may also request the display of COBOL verb skeleton screens to assist you in coding the verbs. The procedure division coding form screen is redisplayed until COBEDT is terminated.

EDT/COBOL			COBOL	EDITOR	(V8.0/1)	-Ordered (Creation	Mode
*******	*******	**************************************	**************************************	******* Codipa	******** Form	********* i	*******	*****
8		i i occuui e		couring		C 11		
-								
tinuation	Code (NRM)	[Next Sc	creen is	Procedu	re Divis	ion Codin	g Form]	
RM = Norma	l Continua	tion	SEL	= Enter	Selecti	ve Creatio	on Mode	
10 - C-4	EDT Commo	nd Mode	VVVV	vvvv =	Dienlav	VVVVVVVV \	Verh Ske	letor
	EDT/COBOL B B tinuation RM = Norma	EDT/COBOL B tinuation Code (MRM) RM = Normal Continua	EDT/COBOL Procedure B tinuation Code (MRM) [Next So RM = Normal Continuation	EDT/COBOL COBOL Procedure Divsion B tinuation Code (NRC) [Next Screen is RM = Normal Continuation SEL	EDT/COBOL COBOL EDITOR Procedure Divsion Coding B tinuation Code (MRM) [Next Screen is Procedu RM = Normal Continuation SEL = Enter	EDT/COBOL COBOL EDITOR(V8.0/1) Procedure Divsion Coding Form B tinuation Code (MRM) [Next Screen is Procedure Divis RM = Normal Continuation SEL = Enter Selecti	EDT/COBOL COBOL EDITOR(V8.0/1)-Ordered (Procedure Divsion Coding Form Lin B tinuation Code (MCM) [Next Screen is Procedure Division Coding M = Normal Continuation SEL = Enter Selective Creation	EDT/COBOL COBOL EDITOR(V8.0/1)-Ordered Creation Procedure Divsion Coding Form Line nnnn. B tinuation Code (MRM) [Next Screen is Procedure Division Coding Form] RM = Normal Continuation SEL = Enter Selective Creation Mode

NOTE:

Appendix A describes the COBOL verb skeleton screens.

4.2. OPERATING IN ORDERED CREATION MODE

Entering the Ordered Creation Mode

To create your COBOL source program via the ordered creation mode, you must enter option 1 in the select creation mode field of the option select screen. When this screen is processed, the identification division screen, which is the first screen in the ordered creation mode, is displayed.

(.
O\$/3 EDT/COBOL

Select Creation Mode :
1=Create in COBOL Program Order
2=Create Selected Portions of the COBOL Pro

Keying in Source Data on the Screens

When an ordered creation mode screen is displayed, the cursor is in the line field of the screen. To key in your source data, advance the cursor to the desired user fields and then key in your data. Pressing the TAB FORWARD key advances the cursor from field to field. Valid level numbers

An erroneous entry – OE

COBOL Syntax Error Detection and Handling

When an ordered creation screen is transmitted, COBEDT verifies the validity of the data entered on the screen before creating the source lines. For a template display screen (such as the environment division screen), COBEDT checks whether all required data for that screen is entered. For a data division coding form screen, COBEDT checks whether the level numbers entered are valid. (Note that 01 through 49, 66, 77, and 88 are valid level numbers.) For a procedure division coding form screen, COBEDT checks whether the section headers and the paragraph names are started in column 8 and checks whether every procedure division sentence entered contains a valid COBOL verb keyword. However, COBEDT does not check the syntax of the verb.

An error found If an error is found, an error message appears on the last two lines of the current screen and the location of the error is indicated by a blinking field. For example:

OS/3 EDT/COBOL COBOL EDITOR(V8.0/1)-Ordered Creation Hode Environment Division Line 5. ENVIRONMENT DIVISION. < ENTER X if Division is not to be created> CONFIGURATION SECTION. SOURCE-COMPUTER. UNIVAC-053 KEnter X if Line is to be created> (WITH) DEBUGGING MODEL. **OBJECT-COMPUTER, UNIVAC-OS3** [(PROGRAM COLLATING) SEQUENCE (IS) <alohabet-name>1 [SEGMENT-LIMIT IS OE<segment-number>]. Continuation Code (NRM) [Next Screen is File Control] NRM = Normal Continuation CMD = Enter EDT Command Mode SEL = Enter Selective Creation Mode SW1 = Display Special-Names 1 Screen SCH = Display SYSCHAN Screen SN2 = Display Special-Names 2 Screen ALP = Display Alphabet Name Screen SSW = Display SYSSWCH Screen CLN = Display Class Name Screen EDT Command:@ CEDØ2Ø NUMERIC DATA REQUIRED. CORRECT DATA AND TRANSMIT.

How to correct an errorTo correct the error, reposition the cursor to the beginning of the
blinking field (if it does not automatically reposition itself to the
error field) and key in the correct data. If you choose not to
correct it, simply retransmit the screen. The source lines are then
created and written to the work-space file as they are, and no
additional action is taken. Multiple errors on a screen are handled
by COBEDT one at a time.

The Work-Space Line Numbers

In ordered creation mode processing, the current work-space line number displayed on an ordered creation mode screen can't be altered. To insert new lines into those lines already created, enter the selective creation mode and code these new lines on the standard COBOL coding form screen. However, in this case, you must make certain that these new lines are placed properly in the work-space file to avoid the overwriting of the lines. (See the first example in Section 6.)

Entering Selective Creation Mode or EDT Command Mode

During ordered creation mode processing, you may temporarily enter the selective creation mode or the EDT command mode by keying in the required continuation code on the current ordered creation screen.

Why enter the selective creation mode? Enter the selective creation mode to display a standard COBOL coding form, a COBOL verb skeleton, the COBOL program skeleton, or any ordered creation mode screen that cannot be requested directly from the current screen.

Why enter the EDTEnter the EDT command mode to edit your source lines with the
various EDT commands in the EDT environment.

When the screen is transmitted, COBEDT first processes source lines entered and then enters either the EDT command mode or the selective creation mode. Upon return, COBEDT resumes ordered creation mode processing.



4.3. SAMPLE CREATION SESSION

This sample session shows how to create a COBOL source program in the ordered creation mode. The example starts with choosing the creation mode on the option select screen. We then code the source statements in the standard COBOL program order via a sequence of creation screens. The example ends with writing the program to a permanent SAT file.

SCREEN OPTI	ON SELECT SCREEN
OS/3 EDT/COBOL	COBOL EDITOR(V8.0/1)
Select Creation Mode	: (1)
1=Create in COBOL P 2≃Create SELECTED P	rogram Order ortions of the COBOL Program
Continuation Code	
EDT Command:@	TION UMDEENTER EUT COmmand Mode
********	***************************************
	
	On this screen, we enter 1 in the select creatio
	mode field and keep NRM in the continuatio
	division screen is displayed, with currer
	work-space line number 1.

	SCREEN	IDENTIF	ICATION DIVISION SCREEN	
æ	2			
OS,	3 EDT/COBOL		COBOL EDITOR(V8.0/1)-C	Ordered Creation Mode
	************	*********	Identification Division	Line 🚺
A	8			
II	DENTIFICATION	N DIVISION.	<enter be="" creat<="" if="" line="" not="" th="" to="" x=""><th>ed in Select Mode></th></enter>	ed in Select Mode>
PI	ROGRAM-ID. PR	ROG1		.1
	INSTALLATION.	UNIVAC		.]
[[DATE-WRITTEN.	•		•]
[[DATE-COMPILED SECURITY.	D.		ر. ا.
				.,
8				
C	NRM = Normal	Code (MRM) L Continuati	[Next Screen is Environment Divi on SEL = Enter Selective Cre	ision] mation Mode
	CMD = Enter	EDT Command	Mode CON = Display Control Div	vision Screen
EDI	T Command:@			
***	**********	*********	**********	*****
		-		
			Here we fill in our source	data and select the
			NPM continuation code Line	on transmission the
			NAM continuation code. Op	in diaminus of the the
			environment division screen i	is displayed after the
			source lines are created	and placed in the
1	CREATED		work-space file.	
<u> </u>		7 L	<u>,</u>	
	\checkmark			
3 1 00	ወወ		TCATION DIVISION	
2 04	00	DDOCDAM		
2.99	199 100	PRUGRAM	- ID. PRUGI.	
5.00	199 199	AUTHUR.	J.JUNES.	
4.00	000	INSTALL	ATION. UNIVAC.	
7.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4				





	 -	
1		
1		

SCREEN	EXED SELECT S	SCREEN	
OS/3 EDT/COBOL		COBOL EDITOR(V8.0/	1)-Ordered Creation Mode
A B SELECT TRANFIL ASSIGN (TO) D [RESERVE <1 ORGANIZATION [ACCESS (MODE RECORD (KEY I [(FILE) STATL Continuation Code (M NRM = Normal Contir CMD = Enter EDT Com fff = Next File Sel EDT Command:@	Indexed ISC -TRANFIL <lfd 1,2> AREA(S')] (IS) INDEXED IS) SEQUENTIAL IS) TRAN-KEY IS (IS) (Next Screen muation mand Mode .ect Code</lfd 	<pre>select <file-name> name>-₩</file-name></pre> SEQUENTIAL,RANDOM, is Data Division- SEL = Enter Sel FST = Display F ALK = Alternate	Line The Addition of the Addit
SOURCE LINES CREATED	On this s select th transmissi places the displays a TRANFIL i	creen, we ente ne NRM cont on, COBEDT cr em in the wor data division Fl n its FD file-nam	r our source data and inuation code. Upon eates the source lines, k-space file, and then D screen with file name e field.
11.0000	SELECT TRA ASSIGN	NFIL TO DISC-TRAI	NFIL-V
13.0000 14.0000 15.0000	ORGANI Access Record	ZATION IS IN MODE IS SEQU KEY IS TRAN	DEXED JENTIAL •KEY.





SPERRY UNIVAC OS/3 COBOL EDITOR (COBEDT)

SCREEN	DATA DIVISION CODING FORM SCREEN
OS/3 EDT/COBOL	COBOL EDITOR(V8.0/1)-Ordered Creation Mode
level# Data	Data Division Coding Form Line
01 DUMMY 03 DUMMY 05 DUMMY 05 DUMMY 05 DUMMY 05 DUMMY 05 DUMMY 03 DUMMY 77 SYS-F Continuation (NRM = Normal CMD = Enter ICD = Displa	Continuation Set PUB PIC XX. PUB PIC X(23). SORT PIC X(23). SEQUENCE PIC 9(4). VARIABLE PIC X(100). C-SIZE PIC 9(4) VALUE 0. de (PDC) [Next Screen is Data Division Coding Form] Continuation SEL = Enter Selective Creation Mode DT Command Mode PDC = Display Procedure Division Coding Form Input CD Screen DAT = Display Data Item Description Screen
OCD = Displa	Output CD Screen CND = Display Condition Name Screen REN = Display RENAMES Screen
SOURCE LINES CREATED	Here, we enter our source statements for th working-storage section and overwrite th continuation code NRM with PDC to request th procedure division coding form screen b displayed next. Upon transmission, COBEDT firs creates the WORKING-STORAGE SECTION source line and then the source lines entered, since th latter lines are the first entries in this section. A you can see, COBEDT also checks the leve numbers and automatically indents dat description entries reflecting the hierarchy of th data. After placing these source lines in th work-space file, COBEDT displays the procedur division coding form screen.
\searrow	
29.0000 30.0000 31.0000 32.0000 33.0000	WORKING-STORAGE SECTION. Ø1 DUMMY-OUT. Ø3 DUMMY-KEY. Ø5 DUMMY-PUB PIC XX. Ø5 DUMMY-REPORT PIC 99.
34.0000 35.0000 36.0000 37.0000	05 DUMMY-SORT PIC X(23). 05 DUMMY-SEQUENCE PIC 9(4). 03 DUMMY-VARIABLE PIC X(100). 77 SYS-REC-SIZE PIC 9(4) VALUE 0.









At this point, the creation of our program is complete. Let's see what our entire program looks like in the work-space file by using the @PRINT command before we terminate COBEDT. 57.00000 PROGRAM-ID. PROG1. 3.0000 AUTHOR. J.JONES. 4.0000 INSTALLATION DIVISION. 5.0000 ENVIRONMENT DIVISION. 6.0000 CONFIGURATION SECTION. 7.0000 SOURCE-COMPUTER. UNIVAC-OS3. 8.0000 OBJECT-COMPUTER. UNIVAC-OS3. 8.0000 OBJECT-COMPUTER. UNIVAC-OS3. 8.0000 INPUT-OUTPUT SECTION. 7.0000 SELECT TRANFIL 10.0000 FILE-CONTROL. 8.0000 ORANIZATION IS INDEXED 14.0000 ASSIGN TO DISC-TRANFIL-Y 15.0000 ORANIZATION. 17.0000 FILE SECTION. 17.0000 DATA DIVISION. 17.0000 FILE SECTION. 17.0000 G3 TRAN-KEY. 22.0000 Ø1 TRANFIL 22.0000 Ø3 TRAN-REPORT PIC Y2. 23.0000 Ø5 TRAN-SEQUENCE PIC 9(4). 23.0000 Ø5 TRAN-SEQUENCE PIC 9(4). 25.0000 Ø5 TRAN-SEQUENCE PIC 9(2). 25.0000 Ø5 TRAN-SEQUENCE PIC 9(2). 27.0000 Ø5 TRAN-SEQUENCE PIC 9(2). 27.0000 Ø5 DUMMY-KEY. 32.0000 Ø5 DUMMY-KEY. 32.0000 Ø5 DUMMY-KEY. 33.0000 Ø5 DUMMY-KEY. 33.0000 Ø5 DUMMY-KEY. 33.0000 Ø5 DUMMY-KEY. 33.0000 Ø5 DUMMY-KEY PUB PIC XX. 33.0000 Ø5 DUMMY-KEY PUB PIC XX.		
57.00000 JDENTIFICATION DIVISION. SCREEN 1.0000 IDENTIFICATION DIVISION. 2.0000 PROGRAM-ID. PROG1. 3.0000 AUTHOR. J.JONES. 4.0000 INSTALLATION. UNIVAC. 5.0000 ENVIRONMENT DIVISION. 6.0000 CONFIGURATION SECTION. 7.0000 BURCE-COMPUTER. UNIVAC-OS3. 8.0000 OBJECT-COMPUTER. UNIVAC-OS3. 9.0000 INPUT-OUTPUT SECTION. 10.0000 FILE-CONTROL. 11.0000 SELECT TRANFIL 12.0000 ASSIGN TO DISC-TRANFIL-V 13.0000 ORGANIZATION IS INDEXED 14.0000 ACCESS MODE IS SEQUENTIAL 15.0000 FILE SECTION. 16.0000 FILE SECTION. 18.0000 FD TRANFIL 19.0000 LABEL RECORDS ARE STANDARD. 20.0000 Ø5 TRAN-PUB PIC XX. 22.0000 Ø5 TRAN-SORT PIC 99. 24.0000 Ø5 TRAN-SORT PIC 9(4). 25.0000 Ø5 TRAN-SORT PIC 99. 26.0000 Ø5 TRAN-SORT PIC 99. 27.0000 Ø5 TRAN-SORT PIC 99. 28.0000 Ø5 DUMMY-REPORT PIC 99.		At this point, the creation of our program is complete. Let's see what our entire program looks like in the work-space file by using the @PRINT command before we terminate COBEDT.
CREEN 1.0000 IDENTIFICATION DIVISION. 2.0000 PROGRAM-ID. PROG1. 3.0000 AUTHOR. J.JONES. 4.0000 INSTALLATION. UNIVAC. 5.0000 EMVIRONMENT DIVISION. 6.0000 CONFIGURATION SECTION. 7.0000 SOURCE-COMPUTER. UNIVAC-OS3. 8.0000 OBJECT-COMPUTER. UNIVAC-OS3. 9.0000 INPUT-OUTPUT SECTION. 10.0000 FILE-CONTROL. 11.0000 SELECT TRANFIL 12.0000 ASSIGN TO DISC-TRANFIL-V 13.0000 ORGANIZATION IS INDEXED 14.0000 ACCESS MODE IS SEQUENTIAL 15.0000 RECORD KEY IS TRAN-KEY. 16.0000 DATA DIVISION. 17.0000 FILE SECTION. 18.0000 FD TRANFIL 19.0000 LABEL RECORDS ARE STANDARD. 21.0000 Ø5 TRAN-KEY. 22.0000 Ø5 TRAN-SORT PIC XX. 23.0000 Ø5 TRAN-SORT PIC X2. 24.0000 Ø5 TRAN-VARIABLE PIC X 25.0000 Ø5 TRAN-VARIABLE PIC X2. 26.0000 Ø1 DUMMY-OUT. 31.0000	57.ØØØØ⊳ <mark>@</mark> ₽RI	NT
CREEN 2.0000 PROGRAM-ID. PROG1. 3.0000 AUTHOR. J.JONES. 4.0000 INSTALLATION. UNIVAC. 5.0000 ENVIROMENT DIVISION. 6.0000 CONFIGURATION SECTION. 7.0000 SOURCE-COMPUTER. UNIVAC-OS3. 9.0000 INPUT-OUTPUT SECTION. 11.0000 FILE-CONTROL. 11.0000 SELECT TRANFIL 12.0000 ACCESS MODE IS SEQUENTIAL 13.0000 ORGANIZATION IS INDEXED 14.0000 ACCESS MODE IS SEQUENTIAL 15.0000 DATA DIVISION. 6 FILE SECTION. 17.0000 FILE SECTION. 18.0000 FO TRANFIL 19.0000 LABEL RECORDS ARE STANDARD. 21.0000 Ø5 TRAN-REPORT 22.0000 Ø5 TRAN-SORT 23.0000 Ø5 TRAN-SEQUENCE PIC 9(4). 24.0000 Ø3 TRAN-VARIABLE 27.0000 OCCURS 1 TO 100 TIMES 28.0000 Ø1 DUMMY-OUT. 31.0000 Ø1 DUMMY-OUT. 31.0000 Ø1 DUMMY-OUT. 31.0000 Ø5 DUMMY-REPORT PIC 99. 32.0000 <th>1.0000</th> <th>IDENTIFICATION DIVISION.</th>	1.0000	IDENTIFICATION DIVISION.
2 3.0000 AUTHOR. J.JONES. 4.0000 INSTALLATION. UNIVAC. 5.0000 ENVIRONMENT DIVISION. 6.0000 CONFIGURATION SECTION. 7.0000 SOURCE-COMPUTER. UNIVAC-OS3. 8.0000 OBJECT-COMPUTER. UNIVAC-OS3. SCREEN 9.0000 10.0000 FILE-CONTROL. SCREEN 11.0000 50000 ORGANIZATION IS INDEXED 12.0000 ACCESS MODE IS SEQUENTIAL 12.0000 PATA DIVISION. 15.0000 RECORD KEY IS TRAN-KEY. 16.0000 DATA DIVISION. 17.0000 FLE SECTION. 18.0000 FD TRANFIL 19.0000 LABEL RECORDS ARE STANDARD. 20.0000 Ø5 TRAN-REPORT 21.0000 Ø5 TRAN-SORT 22.0000 Ø5 TRAN-SORT 23.0000 Ø5 TRAN-SORT 24.0000 Ø5 TRAN-SORT 25.0000 Ø5 TRAN-SORT 26.0000 Ø5 TRAN-SORT 27.0000 Ø5 TRAN-SORT 28.0000 Ø5 TRAN-SORT 29.0000 WORKING-STORAGE SECTION. <t< th=""><th>CREEN 2.0000</th><th>PROGRAM-ID. PROG1.</th></t<>	CREEN 2.0000	PROGRAM-ID. PROG1.
SCREEN 4.0000 INSTALLATION. UNIVAC. SCREEN 5.0000 ENVIRONMENT DIVISION. 6.0000 CONFIGURATION SECTION. 7.0000 SOURCE-COMPUTER. UNIVAC-OS3. SCREEN 9.0000 INPUT-OUTPUT SECTION. SCREEN 9.0000 INPUT-OUTPUT SECTION. SCREEN 9.0000 FILE-CONTROL. SCREEN 11.0000 SELECT TRANFIL 12.0000 ASSIGN TO DISC-TRANFIL-V 13.0000 ORGANIZATION IS INDEXED 14.0000 ACCESS MODE IS SEQUENTIAL 15.0000 RECORD KEY IS TRAN-KEY. 16.0000 DATA DIVISION. 17.0000 FILE SECTION. 19.0000 LABEL RECORDS ARE STANDARD. 20.0000 Ø1 TRAN-OUT. 21.0000 Ø3 TRAN-REPORT 22.0000 Ø5 TRAN-SORT 23.0000 Ø5 TRAN-SORT 24.0000 Ø3 TRAN-VARIABLE 25.0000 Ø5 TRAN-SORT 26.0000 Ø3 TRAN-VARIABLE 27.0000 OCCURS 1 TO 100 TIMES 28.0000 DEPENDING ON SYS-REC-SIZE. 9.00000 Ø1 DUMMY-OUT. <	2 3.0000	AUTHOR. J.JONES.
SCREEN 5.0000 ENVIRONMENT DIVISION. 3 6.0000 CONFIGURATION SECTION. 7.0000 SOURCE-COMPUTER. UNIVAC-0S3. 8.0000 DBJECT-COMPUTER. UNIVAC-0S3. 8.0000 DBJECT-COMPUTER. UNIVAC-0S3. 9.0000 INPUT-OUTPUT SECTION. 10.0000 FILE-CONTROL. 11.0000 SELECT TRANFIL 12.0000 ASSIGN TO DISC-TRANFIL-V 13.0000 ORGANIZATION IS INDEXED 14.0000 ACCESS MODE IS SEQUENTIAL 15.0000 DATA DIVISION. 17.0000 FILE SECTION. 18.0000 FD TRANFIL 19.0000 LABEL RECORDS ARE STANDARD. 20.0000 Ø5 TRAN-PUB PIC XX. 21.0000 Ø5 TRAN-SEQUENCE PIC X(23). 22.0000 Ø5 TRAN-SEQUENCE PIC X 23.0000 Ø5 TRAN-VARIABLE PIC X 27.0000 Ø5 DUMMY-NUT. 31.0000 Ø3 DUMMY-KEY. 32.0000 <th>4.0000</th> <th>INSTALLATION. UNIVAC.</th>	4.0000	INSTALLATION. UNIVAC.
SCREEN 6.0000 CONFIGURATION SECTION. 3 7.0000 SOURCE-COMPUTER. UNIVAC-OS3. 8.0000 OBJECT-COMPUTER. UNIVAC-OS3. 9.00000 INPUT-OUTPUT SECTION. 9.00000 FILE-CONTROL. 10.00000 FILE-CONTROL. 11.00000 SELECT TRANFIL 12.00000 ASSIGN TO DISC-TRANFIL-V 13.00000 ORGANIZATION IS INDEXED 14.0000 ACCESS MODE IS SEQUENTIAL 15.0000 DATA DIVISION. 17.0000 FILE SECTION. 16.0000 DATA DIVISION. 17.0000 FILE SECTION. 18.0000 DATA NEVEN 20.0000 Ø3 TRAN-KEY. 22.0000 Ø5 TRAN-PUB PIC XX. 23.0000 Ø5 TRAN-SORT PIC X2. 24.0000 Ø3 TRAN-VARIABLE PIC X 25.0000 Ø3 TRAN-VARIABLE PIC X2. 26.0000 Ø3 TRAN-VARIABLE PIC X2. 27.00000 OCURS 1 TO 100 TIMES DEPENDING ON SYS-REC-SIZE. 29.0000 WORKING-STORAGE SECTION. 30.0000 Ø5 DUMMY-NUB 31.0000 Ø3 DUMMY-	5.0000	ENVIRONMENT DIVISION.
3 7.0000 SOURCE-COMPUTER. UNIVAC-OS3. 8.0000 OBJECT-COMPUTER. UNIVAC-OS3. SCREEN 9.0000 INPUT-OUTPUT SECTION. 4 10.0000 FILE-CONTROL. SCREEN 11.0000 SELECT TRANFIL 12.0000 ASSIGN TO DISC-TRANFIL-V 10.0000 ORGANIZATION IS INDEXED 14.0000 ACCESS MODE IS SEQUENTIAL 15.0000 RECORD KEY IS TRAN-KEY. 16.0000 DATA DIVISION. 17.0000 FILE SECTION. 18.0000 FD TRANFIL 19.0000 LABEL RECORDS ARE STANDARD. 20.0000 01 TRAN-OUT. 21.0000 03 TRAN-KEY. 22.0000 05 TRAN-SORT 23.0000 05 TRAN-SEQUENCE PIC 9(4). 26.0000 03 TRAN-VARIABLE 27.0000 03 TRAN-VARIABLE 28.0000 045 DUMMY-NUR 29.0000 041 DUMMY-OUT. 31.0000 03 DUMMY-REPORT 24.0000 05 DUMMY-PUB 28.0000 05 DUMMY-PUB 29.0000 05 DUMMY-PUB 31.0000 05 DUMMY-REPORT	SGREEN 6.0000	CONFIGURATION SECTION.
8.0000 OBJECT-COMPUTER. UNIVAC-OS3. SCREEN 9.0000 INPUT-OUTPUT SECTION. 10.0000 FILE-CONTROL. 11.0000 SELECT TRANFIL 12.0000 ASSIGN TO DISC-TRANFIL-V 13.0000 ORGANIZATION IS INDEXED 14.0000 ACCESS MODE IS SEQUENTIAL 15.0000 RECORD KEY IS TRAN-KEY. 16.0000 DATA DIVISION. 17.0000 FILE SECTION. 18.0000 FD TRANFIL 19.0000 LABEL RECORDS ARE STANDARD. 20.0000 Ø1 TRAN-OUT. 21.0000 Ø5 TRAN-REPORT 22.0000 Ø5 TRAN-SORT 23.0000 Ø5 TRAN-VARIABLE 24.0000 Ø5 TRAN-VARIABLE 25.0000 Ø5 TRAN-VARIABLE 26.0000 Ø1 TAN-VARIABLE 27.0000 OCCURS 1 TO 100 TIMES 28.0000 DEPENDING ON SYS-REC-SIZE. 29.0000 WORKING-STORAGE SECTION. 31.0000 Ø5 DUMMY-PUB 92.0000 Ø5 DUMMY-PUB	3 7.0000	SOURCE-COMPUTER. UNIVAC-OS3.
SCREEN 9.0000 INPUT-OUTPUT SECTION. 4 10.0000 FILE-CONTROL. 11.0000 SELECT TRANFIL 2.0000 ASSIGN TO DISC-TRANFIL-V 12.0000 ASSIGN TO DISC-TRANFIL-V 13.0000 ORGANIZATION IS INDEXED 14.0000 RECORD KEY IS TRAN-KEY. 15.0000 RECORD KEY IS TRAN-KEY. 16.0000 DATA DIVISION. 17.0000 FILE SECTION. 18.0000 FD TRANFIL 19.0000 LABEL RECORDS ARE STANDARD. 20.0000 Ø1 TRAN-OUT. 21.0000 Ø3 TRAN-KEY. 22.0000 Ø5 TRAN-SEQUENCE PIC YC. 23.0000 Ø5 TRAN-SEQUENCE PIC 9(4). 26.0000 Ø3 TRAN-VARIABLE PIC XX. 27.0000 OCCURS 1 TO 100 TIMES 28.0000 DEPENDING ON SYS-REC-SIZE. 29.0000 WORKING-STORAGE SECTION. 30.0000 Ø1 DUMMY-OUT. 31.0000 Ø5 DUMMY-PUB 32.0000 Ø5 DUMMY-REPORT 33.0000 Ø5 DUMMY-REPORT PIC XX. 32.0000 Ø5 DUMMY-REPORT PIC XZ. <td< th=""><th>8.000</th><th>OBJECT-COMPUTER. UNIVAC-OS3.</th></td<>	8.000	OBJECT-COMPUTER. UNIVAC-OS3.
4 10.0000 FILE-CONTROL. 11.0000 SELECT TRANFIL 12.0000 ASSIGN TO DISC-TRANFIL-V 13.0000 ORGANIZATION IS INDEXED 14.0000 ACCESS MODE IS SEQUENTIAL 15.0000 RECORD KEY IS TRAN-KEY. 16.0000 DATA DIVISION. 17.0000 FILE SECTION. 18.0000 FD TRANFIL 19.0000 ØS TRAN-KEY. 20.0000 ØS TRAN-KEY. 21.0000 ØS TRAN-KEY. 22.0000 ØS TRAN-SEQUENCE PIC XX. 23.0000 ØS TRAN-SEQUENCE PIC 9(4). 24.0000 ØS TRAN-VARIABLE PIC X 27.0000 OCCURS 1 TO 100 TIMES 28.0000 ØS DUMMY-OUT. 31.0000 ØS DUMMY-PUB PIC XX. 32.0000 ØS DUMMY-PUB PIC XX. 32.0000 ØS DUMMY-PUB PIC XX.	SCREEN 9.0000	INPUT-OUTPUT SECTION.
SCREEN 11.0000 SELECT TRANFIL 12.0000 ASSIGN TO DISC-TRANFIL-V 13.0000 ORGANIZATION IS INDEXED 14.0000 ACCESS MODE IS SEQUENTIAL 15.0000 RECORD KEY IS TRAN-KEY. 16.0000 DATA DIVISION. 17.0000 FILE SECTION. 6 17.0000 18.0000 FD TRANFIL 19.0000 UABEL RECORDS ARE STANDARD. 20.0000 01 TRAN-OUT. 21.0000 03 TRAN-KEY. 22.0000 05 TRAN-PUB 21.0000 05 TRAN-SORT 22.0000 05 TRAN-SORT 23.0000 05 TRAN-SORT 24.0000 03 TRAN-VARIABLE 7 27.0000 27.0000 03 TRAN-VARIABLE 28.0000 041 DUMMY-OUT. 31.0000 041 DUMMY-OUT. 32.0000 05 DUMMY-REPORT 90.0000 05 DUMMY-REPORT 91.0000 05 DUMMY-REPORT 92.0000 05 DUMMY-REPORT 91.0000 05 DUMMY-REPORT	4	FILE-CONTROL.
SCREEN 12.0000 ASSIGN TO DISC-TRANFIL-V 5 13.0000 ORGANIZATION IS INDEXED 14.0000 ACCESS MODE IS SEQUENTIAL 15.0000 RECORD KEY IS TRAN-KEY. 16.0000 DATA DIVISION. 17.0000 FILE SECTION. 18.0000 FD TRANFIL 19.0000 01 TRAN-OUT. 20.0000 01 TRAN-OUT. 21.0000 03 TRAN-KEY. 22.0000 05 TRAN-REPORT 22.0000 05 TRAN-SORT 23.0000 05 TRAN-SORT 24.0000 03 TRAN-VARIABLE 25.0000 05 TRAN-VARIABLE 27.0000 06 TRAN-VARIABLE 27.0000 07 TRAN-VARIABLE 28.0000 01 DUMMY-OUT. 31.0000 03 DUMMY-KEY. 32.0000 05 DUMMY-PUB 90.0000 01 DUMMY-OUT. 31.0000 03 DUMMY-KEY. 32.0000 05 DUMMY-PUB 90.0000 05 DUMMY-REPORT 91.0000 05 DUMMY-REPORT	11.0000	SELECT TRANFIL
SCREEN 13.0000 ORGANIZATION IS INDEXED 14.0000 ACCESS MODE IS SEQUENTIAL 15.0000 RECORD KEY IS TRAN-KEY. 16.0000 DATA DIVISION. 17.0000 FILE SECTION. 18.0000 FD TRANFIL 19.0000 LABEL RECORDS ARE STANDARD. 20.0000 Ø1 TRAN-OUT. 21.0000 Ø3 TRAN-KEY. 22.0000 Ø5 TRAN-PUB 9.0000 Ø5 TRAN-SORT 22.0000 Ø5 TRAN-SORT 23.0000 Ø5 TRAN-SORT 24.0000 Ø5 TRAN-VARIABLE 9.0000 Ø3 TRAN-VARIABLE 9.0000 WORKING-STORAGE SECTION. 30.0000 Ø1 DUMMY-OUT. 31.0000 Ø3 DUMMY-KEY. 32.0000 Ø5 DUMMY-PUB 9.0000 Ø1 DUMMY-OUT. 31.0000 Ø3 DUMMY-KEY. 32.0000 Ø5 DUMMY-PUB 9.0000 Ø5 DUMMY-PUB	12.0000	ASSIGN TO DISC-TRANFIL-V
3 14.0000 ACCESS MODE IS SEQUENTIAL 15.0000 RECORD KEY IS TRAN-KEY. 16.0000 DATA DIVISION. 17.0000 FILE SECTION. 18.0000 FD TRANFIL 19.0000 LABEL RECORDS ARE STANDARD. 20.0000 01 TRAN-OUT. 21.0000 03 TRAN-KEY. 22.0000 05 TRAN-REPORT PIC 99. 24.0000 05 TRAN-SEQUENCE PIC 9(4). 25.0000 03 TRAN-VARIABLE PIC X 27.0000 WORKING-STORAGE SECTION. 30.0000 01 DUMMY-OUT. 31.0000 03 DUMMY-KEY. 32.0000 Ø5 DUMMY-REPORT PIC 99. 33.0000 Ø5 DUMMY-REPORT PIC 23.	SCREEN 13.0000	ORGANIZATION IS INDEXED
SCREEN 15.0000 RECORD KEY IS TRAN-KEY. 16.0000 DATA DIVISION. 17.0000 FILE SECTION. 18.0000 FD TRANFIL 19.0000 LABEL RECORDS ARE STANDARD. 20.0000 Ø1 TRAN-OUT. 21.0000 Ø3 TRAN-KEY. 22.0000 Ø5 TRAN-PUB PIC XX. 23.0000 Ø5 TRAN-SORT PIC X(23). 24.0000 Ø3 TRAN-VARIABLE PIC X 25.0000 Ø3 TRAN-VARIABLE PIC X 27.0000 OCCURS 1 TO 100 TIMES 28.0000 DEPENDING ON SYS-REC-SIZE. 29.0000 WORKING-STORAGE SECTION. 30.0000 Ø1 DUMMY-OUT. 31.0000 Ø5 DUMMY-REPORT PIC XX. 33.0000 Ø5 DUMMY-REPORT PIC 99. 34.0000 Ø5 DUMMY-SORT PIC X(23).	14.0000	ACCESS MODE IS SEQUENTIAL
SCREEN 16.0000 DATA DIVISION. 17.0000 FILE SECTION. 18.0000 FD TRANFIL 19.0000 LABEL RECORDS ARE STANDARD. 20.0000 01 TRAN-OUT. 21.0000 03 TRAN-KEY. 22.0000 05 TRAN-PUB PIC XX. 23.0000 05 TRAN-SORT PIC 23). 25.0000 05 TRAN-SEQUENCE PIC 24.0000 26.0000 03 TRAN-VARIABLE PIC X 27.0000 OCCURS 1 TO 100 TIMES 28.0000 VORKING-STORAGE SECTION. 30.0000 01 DUMMY-OUT. 31.0000 03 DUMMY-KEY. 32.0000 05 DUMMY-SORT PIC XX. 33.0000 05 DUMMY-REPORT PIC XX.	15.0000	RECORD KEY IS TRAN-KEY.
SCREEN 17.0000 FILE SECTION. 18.0000 FD TRANFIL 19.0000 LABEL RECORDS ARE STANDARD. 20.0000 Ø1 TRAN-OUT. 21.0000 Ø3 TRAN-KEY. 22.0000 Ø5 TRAN-PUB 9 PIC XX. 23.0000 Ø5 TRAN-SORT 24.0000 Ø5 TRAN-SORT 25.0000 Ø5 TRAN-SEQUENCE 26.0000 Ø3 TRAN-VARIABLE 27.0000 Ø3 TRAN-VARIABLE 27.0000 OCCURS 1 TO 100 TIMES 28.0000 DEPENDING ON SYS-REC-SIZE. 29.0000 WORKING-STORAGE SECTION. 30.0000 Ø1 DUMMY-OUT. 31.0000 Ø5 DUMMY-REPORT 32.0000 Ø5 DUMMY-REPORT 90.0000 Ø5 DUMMY-REPORT	16.0000	DATA DIVISION.
6 18.0000 FD TRANFIL 19.0000 01 TRAN-OUT. 20.0000 01 TRAN-OUT. 21.0000 03 TRAN-KEY. 22.0000 05 TRAN-PUB PIC XX. 23.0000 05 TRAN-REPORT PIC 99. 24.0000 05 TRAN-SORT PIC X(23). 25.0000 05 TRAN-SEQUENCE PIC X(23). 25.0000 03 TRAN-VARIABLE PIC X 27.0000 03 TRAN-VARIABLE PIC X 28.0000 041 DUMMY-OUT. 100 TIMES 28.0000 041 DUMMY-OUT. 31.0000 30.0000 041 DUMMY-PUB PIC XX. 32.0000 05 DUMMY-REPORT PIC 23).	CREEN 17.0000	FILE SECTION.
19.0000 LABEL RECORDS ARE STANDARD. 20.0000 01 TRAN-OUT. 21.0000 03 TRAN-KEY. 22.0000 05 TRAN-PUB PIC XX. 23.0000 05 TRAN-SORT PIC 99. 24.0000 05 TRAN-SEQUENCE PIC 9(4). 25.0000 05 TRAN-VARIABLE PIC X 27.0000 03 TRAN-VARIABLE PIC X 27.0000 00 VORKING-STORAGE SECTION. 00 VORKING-STORAGE SECTION. 30.0000 01 DUMMY-OUT. 31.0000 03 DUMMY-KEY. 32.0000 05 DUMMY-REPORT PIC XX. 33.0000 05 DUMMY-REPORT PIC 23).	6 18.000	FD TRANFIL
SCREEN 20.0000 01 TRAN-OUT. 7 21.0000 03 TRAN-KEY. 22.0000 05 TRAN-PUB PIC XX. 23.0000 05 TRAN-REPORT PIC 99. 24.0000 05 TRAN-SORT PIC X(23). 25.0000 05 TRAN-VARIABLE PIC X 26.0000 03 TRAN-VARIABLE PIC X 27.0000 0CCURS 1 TO 100 TIMES 28.0000 DEPENDING ON SYS-REC-SIZE. 29.0000 01 DUMMY-OUT. 31.0000 03 DUMMY-KEY. 32.0000 05 DUMMY-PUB 91C XX. 33.0000 05 DUMMY-REPORT PIC 23).	19.000	LABEL RECORDS ARE STANDARD.
SCREEN 21.0000 Ø3 TRAN-KEY. 7 22.0000 Ø5 TRAN-PUB PIC XX. 23.0000 Ø5 TRAN-REPORT PIC 99. 24.0000 Ø5 TRAN-SORT PIC X(23). 25.0000 Ø5 TRAN-VARIABLE PIC X 27.0000 Ø3 TRAN-VARIABLE PIC X 27.0000 OCCURS 1 TO 100 TIMES 28.0000 28.0000 DEPENDING ON SYS-REC-SIZE. 29.0000 WORKING-STORAGE SECTION. 30.0000 Ø1 DUMMY-OUT. 31.0000 Ø5 DUMMY-FUB 32.0000 Ø5 DUMMY-REPORT 34.0000 Ø5 DUMMY-SORT	20.0000	Ø1 TRAN-OUT.
SCREEN 22.0000 05 TRAN-PUB PIC XX. 23.0000 05 TRAN-REPORT PIC 99. 24.0000 05 TRAN-SORT PIC X(23). 25.0000 05 TRAN-SEQUENCE PIC Y(23). 26.0000 03 TRAN-VARIABLE PIC X 27.0000 0CCURS 1 TO 100 TIMES 28.0000 28.0000 WORKING-STORAGE SECTION. 30.0000 30.0000 01 DUMMY-OUT. 31.0000 31.0000 05 DUMMY-KEY. 32.0000 33.0000 05 DUMMY-REPORT PIC XX. 33.0000 05 DUMMY-REPORT PIC 99. 34.0000 05 DUMMY-SORT PIC X(23).	21.0000	Ø3 TRAN-KEY.
SCREEN 23.0000 05 TRAN-REPORT PIC 99. 24.0000 05 TRAN-SORT PIC X(23). 25.0000 05 TRAN-SEQUENCE PIC 9(4). 26.0000 03 TRAN-VARIABLE PIC X 27.0000 03 TRAN-VARIABLE PIC X 27.0000 0CCURS 1 TO 100 TIMES 28.0000 DEPENDING ON SYS-REC-SIZE. 29.0000 WORKING-STORAGE SECTION. 30.0000 01 DUMMY-OUT. 31.0000 03 DUMMY-KEY. 32.0000 05 DUMMY-REPORT 8 33.0000 05 DUMMY-REPORT PIC XX.	22.0000	Ø5 TRAN-PUB PIC XX.
SCREEN 24.0000 05 TRAN-SORT PIC X(23). 7 25.0000 05 TRAN-SEQUENCE PIC 9(4). 26.0000 03 TRAN-VARIABLE PIC X 27.0000 0CCURS 1 TO 100 TIMES 28.0000 DEPENDING ON SYS-REC-SIZE. 29.0000 WORKING-STORAGE SECTION. 30.0000 01 DUMMY-OUT. 31.0000 05 DUMMY-KEY. 32.0000 05 DUMMY-REPORT 93.0000 05 DUMMY-REPORT 94.0000 05 DUMMY-SORT	23.0000	Ø5 TRAN-REPORT PIC 99.
25.0000 05 TRAN-SEQUENCE PIC 9(4). 26.0000 03 TRAN-VARIABLE PIC X 27.0000 OCCURS 1 TO 100 TIMES 28.0000 DEPENDING ON SYS-REC-SIZE. 29.0000 WORKING-STORAGE SECTION. 30.0000 01 DUMMY-OUT. 31.0000 03 DUMMY-KEY. 32.0000 05 DUMMY-PUB 33.0000 05 DUMMY-REPORT 9 0000	SCREEN 24.0000	Ø5 TRAN-SORT PIC X(23).
26.0000 03 TRAN-VARIABLE PIC X 27.0000 OCCURS 1 TO 100 TIMES 28.0000 DEPENDING ON SYS-REC-SIZE. 29.0000 WORKING-STORAGE SECTION. 30.0000 01 DUMMY-OUT. 31.0000 03 DUMMY-KEY. 32.0000 05 DUMMY-PUB 9.0000 05 DUMMY-REPORT 9.0000 05 DUMMY-REPORT 9.0000 05 DUMMY-SORT	25.000	Ø5 TRAN-SEQUENCE PIC 9(4).
27.0000 OCCURS 1 TO 100 TIMES 28.0000 DEPENDING ON SYS-REC-SIZE. 29.0000 WORKING-STORAGE SECTION. 30.0000 01 31.0000 03 32.0000 Ø5 33.0000 Ø5 34.0000 Ø5	26.0000	Ø3 TRAN-VARIABLE PIC X
28.0000 DEPENDING ON SYS-REC-SIZE. 29.0000 WORKING-STORAGE SECTION. 30.0000 01 31.0000 03 32.0000 05 33.0000 05 34.0000 05 24.0000 05 34.0000 05 34.0000 05	27.0000	OCCURS 1 TO 100 TIMES
29.0000 WORKING-STORAGE SECTION. 30.0000 01 DUMMY-OUT. 31.0000 03 DUMMY-KEY. 32.0000 05 DUMMY-PUB 33.0000 05 DUMMY-REPORT 8 34.0000 05 DUMMY-SORT	28.000	DEPENDING ON SYS-REC-SIZE.
30.0000 01 DUMMY-OUT. 31.0000 03 DUMMY-KEY. 32.0000 05 DUMMY-PUB 8 91.0000 92.0000 8 91.0000 93.0000 9 0000 95.0000 9 0000 95.0000 9 05.0000 90.0000	29.0000	WORKING-STORAGE SECTION.
SCREEN 31.0000 Ø3 DUMMY-KEY. 32.0000 Ø5 DUMMY-PUB PIC XX. 33.0000 Ø5 DUMMY-REPORT PIC 99. 34.0000 Ø5 DUMMY-SORT PIC X(23).	30.0000	Ø1 DUMMY-OUT.
SCREEN 32.0000 05 DUMMY-PUB PIC XX. 33.0000 05 DUMMY-REPORT PIC 99. 34.0000 05 DUMMY-SORT PIC X(23).	31.0000	Ø3 DUMMY-KEY.
SCREEN 33.0000 Ø5 DUMMY-REPORT PIC 99. 8 34.0000 Ø5 DUMMY-SORT PIC X(23)	32.0000	Ø5 DUMMY-PUB PIC XX.
34.0000 05 DUMMY-SORT PIC X(23)	SCREEN 33.0000	Ø5 DUMMY-REPORT PIC 99
	34.0000	Ø5 DUMMY-SORT PIC X(23)
35.0000 05 DUMMY-SEQUENCE PIC 9(4)	35.0000	Ø5 DUMMY-SEQUENCE PIC 9(4)
36.0000 03 DUMMY-VARIABLE PIC X(100).	36.0000	Ø3 DUMMY-VARIABLE PIC X(100)
37.0000 77 SYS-REC-SIZE PIC 9(4) VALUE 0	37.0000	77 SYS-REC-SIZE PIC 9(4) VALUE Ø



Compiling the Sample COBOL Program

After creating and saving sample program PROG1, we want to compile it to see whether there are any compilation errors. We must, therefore, write and run a job control stream to invoke the COBOL compiler, as shown in the following sample workstation entries:

57.00000-0DELETE 1.00000-77_00B_U 2.00000-77PROG1 3.00000-78 4.00000-78 5.00000-0WRITE_M 6.00000-0HALT	OBNAM COBL74 IN=(A00011,TESTFIL),OBJ=(A00011,FILE.OBJ) RRFIL=(MYERR,A00011,ERR.LST) O=JOBNAM,FIL=FILE.JCS,VSN=A00011,SAT=YES,SIZE=1
	First, delete the copy of program PROG1 in the work-space file with the @DELETE command. Second, create a job control stream to compile
	the program. Also, define an error file for compile-time diagnostics (ERRFIL parameter), if any. Third, save the job control stream in SAT file
	FILE.JCS on disk volume A00011.
	Now, enter SYSTEM mode.
	Finally, key in the RV workstation command to run the job control stream:
NOTE:	RV JOBNAM:(FILE.JCS,AØØØ11)
Assume SAT file f been allocated thro Appendix C for the parameter in the @ FILE.JCS.	FILE.OBJ and MIRAM file ERR.LST have already ugh the ALLOCATE workstation command. (See he command format.) Also, include the SIZE WRITE command line to allocate the new file,

4-21

After the job is executed, a message indicating successful or unsuccessful compilation is displayed at the workstation.

If the compilation is successful, we can proceed to link and execute it. For information, see the 1974 ANSI COBOL programmer reference and the job control user guide.

If there are compilation errors, instead of waiting for the compiler to print the error listing, we can immediately activate the EDT error file processor (EFP) to display both the errors and their corresponding source lines. We can then correct and recompile the program. For more information on EFP, see the general editor (EDT) user guide/programmer reference. For editing COBOL programs, see Section 6 in this manual.

4.4. ORDERED CREATION MODE SCREENS

This section describes all the available ordered creation mode screens.

Control Division Screen

)\$/3 EDT/COBOL		COBOL EDITO	R(V8.0/1)	-Ordered Creation Mod
	Control	Division		Line nnnn.nnnn
A B				
CONTROL DIVISION. <enter< td=""><td>X if CONTR</td><td>OL DIVISION</td><td>and ALPH</td><td>ABET SECTION</td></enter<>	X if CONTR	OL DIVISION	and ALPH	ABET SECTION
ALPHABET SECTION. are no	t to be cr	eated in Se	lect Mode	>
[SOURCE-ALPHABET (CHARA	CTERS ARE)			
		<literal></literal>	[THRU	<literal>]</literal>
		<literal></literal>	[THRU	<literal>}</literal>
		<literal></literal>	[THRU	<literal>]</literal>
		<literal></literal>	[THRU	<literal>]</literal>
[MESSAGES (ARE)].	
Continuation Code (MRR) [N	lext Screen	is Identif	ication D	ivision]
NRM = Normal Continuation	1	SEL = En	ter Selec	tive Creation Mode
CMD = Enter EDT Command M	lode	RDP = Re	display T	his Screen

CON code RDP code	In a COBOL source program, the control division is optional. If included, it must be the first entry in the program. The control division screen can be displayed by entering the CON continuation code on the identification division screen (screen $4-2$). Entering the RDP continuation code on the current control
All user data is optional.	division screen redisplays the control division screen. All user data on this screen is optional. COBEDT doesn't create any source lines if no data is entered. In ordered creation mode processing, although the control division screen can be redisplayed, COBEDT generates the CONTROL DIVISION and ALPHABET SECTION source lines only once.
Return to ID division screen	After you've completed your control division entries, return to the identification division screen with the NRM continuation code.

Identification Division Screen

S/3 EDT/COBOL		COBOL EDITOR(V8.0/	1)-Ordered Creation Mo
***************	Identific	ation Division	Line nnnn.nnn
A B			
IDENTIFICATION DIV	ISION. <enter td="" x<=""><td>if Line not to be c</td><td>reated in Select Mode></td></enter>	if Line not to be c	reated in Select Mode>
PROGRAM-ID.			
[AUTHOR.			•
INSTALLATION.			•
LUAIE-WRITTEN.			•
[SECURITY.			
Continuation Code	(Next Scre	en is Environment Di	vision]
NRM = Normal Con	tinuation	SEL = Enter Sel	ective Creation Mode
CMD = Enter EDT	Command Mode	CON = Display C	ontrol Division Screen

The identification division screen assists you in creating the identification division, an essential part of a COBOL source program. It's the first screen displayed after entering the ordered creation mode. You must fill in your PROGRAM-ID if you select the NRM continuation code.

If you want to include the control division in your program, you Control division must not enter the program ID or other source data but overwrite the continuation code NRM with CON to display the control division screen. The control division must be coded before the identification division. After you complete your control division, transmitting the control division screen with the NRM continuation code returns you to the identification division screen.



Environment Division Screens

)S/3 EDT/COBOL	CC	BOL EDITOR(V8.#/	1)-Ordered Creation Mod
	Environment	Division	Line nnnn.nnnr
A B ENVIRONMENT DIVISION. CONFIGURATION SECTION.	<enter div<="" if="" td="" x=""><td>ision is not to l</td><td>be created></td></enter>	ision is not to l	be created>
SOURCE-COMPUTER. UNIVAC	-0\$3		
(WITH) DEBUGGING M	ODE]. <enter td="" x<=""><td>if Line is to be</td><td>a created></td></enter>	if Line is to be	a created>
OBJECT-COMPUTER. UNIVAC	-0\$3		
[(PROGRAM COLLATING) SEQUENCE (IS)	<.	lphabet-name>]
(SEGMENT-LIMIT IS	<segment-number< td=""><td>>].</td><td></td></segment-number<>	>].	
Continuation Code ([Next Screen i	s File Control]	
NRM = Normal Continua	tion	SEL = Enter Sele	ective Creation Mode
CMD = Enter EDT Comma	nd Mode	SN1 = Display Sp	ecial-Names 1 Screen
SCH = Display SYSCHAN	Screen	SN2 = Display Sp	pecial-Names 2 Screen
ALP = Display Alphabe	t Name Screen	SSW = Display S	(SSWCH Screen

The environment division screen provides the information necessary to create the basic portion of the environment division and to display any one of the six special-names screens (screens 4–5 through 4–10). This screen is displayed when COBEDT completes processing the identification division screen. If no user data is entered, COBEDT still creates the source lines for those not enclosed in brackets. You may, however, inform COBEDT not to create this portion of the division by entering an X in the ENVIRONMENT DIVISION line. If you enter an X in the ENVIRONMENT DIVISION line and a code CMD or SEL in the continuation code field, upon returning to ordered creation mode processing, the environment division screen is redisplayed. On the other hand, if you have not entered an X in that line, upon return, the special-names select screen (screen 4–4) is displayed, allowing you to request a special-names screen.



```
SPECIAL-NAMES SELECT
   SCREEN
    4-4
                            COBOL EDITOR(V8.0/1)-Ordered Creation Mode
OS/3 EDT/COBOL
                     .........................
                   Special-Names Select Screen
  SN1 = Display Special Names 1 Screen SSW = Display SYSSWCH Screen
  SN2 = Display Special Names 2 Screen ALP = Display Alphabet-Name Screen
  SCH = Display SYSCHAN Screen
                                 CLN = Display Class-Name Screen
Continuation Code (Mext Screen is File Control)
  NRM = Normal Continuation SEL = Enter Selective Creation Mode
                             sss = Next Special-Names Screen
  CMD = Enter EDT Command Mode
EDT Command:@
```

The special-names select screen lists the available special-names screens and their display codes.

This screen is displayed each time you reenter the ordered creation mode after temporarily entering either the EDT command mode or the selective creation mode from one of the following screens:

- The environment division screen without an X entered in its ENVIRONMENT DIVISION line, but with a code CMD or SEL in its continuation code field.
- Any one of the special-names screens with source data entered and a code CMD or SEL in its continuation code field. (See screens 4–5 through 4–10 for special-names screens.)

The following special-names screens provide all the information to create the special-names section of the environment division. There are six special-names screens. The SYSCHAN, alphabet-name, SYSSWCH, and class-name screens are for coding the portions of the special-names section indicated by their names. Special-names screen 1 and 2 are for coding the rest of the special-names section. Each special-names screen also provides the information to display any one of the other five special-names screens.

Special-names screens



All user data on each special-names screen is optional. COBEDT doesn't create any source lines if no data is entered. If you temporarily enter either the EDT command mode or the selective creation mode from a special-names screen without filling in any source data on the screen, upon returning to ordered creation mode processing, the same screen is redisplayed. On the other hand, if you have filled in the source data, upon return, the special-names select screen is displayed, allowing you to request another special-names screen.

In ordered creation mode processing, even though several special-names screens can be used, COBEDT generates the SPECIAL-NAMES header only once. COBEDT also places a period at the end of the special-names section.

4-5			
OS/3 EDT/COBOL	C	OBOL EDITOR(V8.0/1)-()rdered Creation Mode
	Special-Names S	creen (1 of 6)	Line nnnn.nnnn
A B			
SPECIAL-NAMES. <ent< td=""><td>ter X if Header is</td><td>not to be created in</td><td>n Select Mode></td></ent<>	ter X if Header is	not to be created in	n Select Mode>
[SYSSCOPE IS		<mnemonic-r< td=""><td>name>]</td></mnemonic-r<>	name>]
[SYSWORK IS		<mnemonic-na< td=""><td>ame></td></mnemonic-na<>	ame>
ASSIGN (TO)	<l -<="" fdname="" td=""><td>1>]</td><td></td></l>	1>]	
(SYSFORMAT IS		<mnemonic< td=""><td>-name></td></mnemonic<>	-name>
ASSIGN (TO)	<l fdname-<="" td=""><td>2>]</td><td></td></l>	2>]	
(CURRENCY (SIGN)	IS <literal>]</literal>		
[DECIMAL-POINT I	S COMMA]. <enter< td=""><td>X if Line is to be o</td><td>created></td></enter<>	X if Line is to be o	created>
Continuation Code 🟈	Next Screen	is File Control}	
NRM = Normal Conti	nuation	SEL = Enter Select	ive Creation Mode
CMD = Enter EDT Co	mmand Mode	SN2 = Display Spec	ial-Names 2 Screen
ALP = Display Alph	abet-Name Screen	SCH = Display SYSS	CHAN Screen
CLN = Display Clas	s-Name Screen	SSW = Display SYSS	WCH Screen

SN1 code

Special-names screen 1 is displayed when requested by the SN1 continuation code from the environment division screen, the special-names select screen, or other special-names screens.

After the screen is transmitted with the desired source data entered, COBEDT first creates the SPECIAL-NAMES source line if not already created and then other source lines from the screen. Keeping the code NRM in the continuation code field indicates that you have finished all your entries for the special-names section and the period displayed on the screen is generated. Otherwise, the period is generated at the end of the section. Also, if there are more entries for the section, COBEDT moves the source lines created for the CURRENCY SIGN IS and DECIMAL-POINT IS COMMA items to the end of the section.

SCREEN SPECIAL-NAMES	SCREEN 2
4-6	
OS/3 EDT/COBOL	COBOL EDITOR(V8.0/1)-Ordered Creation Mod
Special-Name	es Screen (2 of 6) Line nnnn.nnnn
A B	
SPECIAL-NAMES. <enter header<="" if="" td="" x=""><td>r is not to be created in Select Mode></td></enter>	r is not to be created in Select Mode>
[SYSIN IS	<mnemonic-name>]</mnemonic-name>
[SYSCONSOLE IS	<mnemonic-name>}</mnemonic-name>
[SYSLST IS	<pre><mnemonic-name>]</mnemonic-name></pre>
[SYSLOG IS	<pre><mnemonic-name>]</mnemonic-name></pre>
SYSCOM IS	<mnemonic-name>]</mnemonic-name>
SYSTERMINAL IS	<mnemonic-name>]</mnemonic-name>
SYSOUT IS	<mnemonic-name>]</mnemonic-name>
Continuation Code (een is File Control]
NRM = Normal Continuation	SEL = Enter Selective Creation Mode
CMD = Enter EDT Command Mode	SN1 = Display Special Names 1 Screen
ALP = Display Alphabet-Name Scre	en – SCH = Display SYSCHAN Screen
SSW = Display SYSSWCH Screen	CLN = Display Class-Name Screen
EDT Command:@	

SN2 code

Special-names screen 2 is displayed when requested by the SN2 continuation code from the environment division screen, the special-names select screen, or other special-names screens.

SPECIAL-NAMES SYSCHAN SCREEN 4-7 OS/3 EDT/COBOL COBOL EDITOR(V8.#/1)-Ordered Creation Mode Special-Names Screen (3 of 6) Line nnnn.nnn B SPECIAL-NAMES. <Enter X if Header is not to be created in Select Mode> [SYSCHAN-IS <mnemonic-name>1 [SYSCHAN-15 <mnemonic-name>1 [SYSCHAN- IS <mnemonic-name>] (SYSCHAN-IS <mnemonic-name>1 {SYSCHAN-IS <mnemonic-name>} ISYSCHAN-<mnemonic-name>1 IS [SYSCHAN-IS <mnemonic-name>] [SYSCHAN-IS <mnemonic-name>1 ESYSCHAN-IS <mnemonic-name>1 Continuation Code ([Next Screen is File Control]
 NRM = Normal Continuation
 SEL = Enter Selective Creation Mode

 CMD = Enter EDT Command Mode
 RDP = Redisplay This Screen
 CMD = Enter EDT Command Mode ALP = Display Alphabet-Name Screen CLN = Display Class-Name Screen SNn = Display Special-Names Screen n(n=1 or 2) SSW = Display SYSSWCH Screen EDT Command:@

The SYSCHAN screen provides the information to create the SYSCHAN portion of the special-names. This screen is displayed when requested by the SCH continuation code from the environment division screen, the special-names select screen, or other special-names screens.

To code more SYSCHAN source lines, enter the code RDP in the continuation code field to redisplay the screen.

SCH code

RDP code



RDP code

The alphabet-name screen provides the information to create the alphabet-name portion of the special-names. This screen is displayed when requested by the ALP continuation code from the environment division screen, the special-names select screen, or other special-names screens.

To code more alphabet-name source lines, enter the code RDP in the continuation code field to redisplay the screen.

4-28

ODECIAL MARAES SVCSMCH

1	SCREEN	SFECIAL-MANILS S	13344011	
	4-9			
0S/3	EDT/COBOL	C	080L EDITOR(V8.0/1)-	Ordered Creation Mode
		Special-Names {	Screen (5 of 6)	Line nnn.nnn
A	B	•		
SPE	CIAL-NAMES.	. <enter header="" if="" is<="" td="" x=""><td>s not to be created i</td><td>in Select Mode></td></enter>	s not to be created i	in Select Mode>
	SYSSWCH-	<0,1,2,3,4,5,6,7>		
	[15		<pre><mnemonic-name>]</mnemonic-name></pre>	
	[ON (STA	TUS) IS	<cond< td=""><td>lition-name>]</td></cond<>	lition-name>]
	[OFF (ST	ATUS) IS	<cor< td=""><td>ndition-name>]</td></cor<>	ndition-name>]
	SYSSWCH-	<0,1,2,3,4,5,6,7>		
	[15		<mnemonic-name>]</mnemonic-name>	
	(ON (STA	TUS) IS	<cond< td=""><td><pre>jition-name>]</pre></td></cond<>	<pre>jition-name>]</pre>
	[OFF (ST	ATUS) IS	<cor< td=""><td>ndition-name>]</td></cor<>	ndition-name>]
Con	tinuation (Jode (MAR) [Next Screen	is File Control]	
N	.RM = Normal	Continuation	SEL = Enter Selecti	ive Creation Mode
C	MD = Enter	EDT Command Mode	RDP = Redisplay Thi	is Screen
Α.	LP = Displa	ay Alphabet-Name Screen	CLN = Display Class	s-Name Screen
S	CH = Displa	ay SYSCHAN Screen	SN1 = Display Speci	ial-Names 1 Screen
S	N2 = Displa	<pre>sy Special-Names 2 Screer</pre>	a	
EDT	Command:@			

The SYSSWCH screen provides the information to create the SYSSWCH portion of the special-names. This screen is displayed when requested by the SSW continuation code from the environment division screen, the special-names select screen, or other special-names screens.

When you code a SYSSWCH source line, you must include either the ON STATUS IS or the OFF STATUS IS field along with other required data in the line. If neither field is coded, an error message is displayed and you are given an opportunity to add the missing data. If you don't add the missing data, the source line is created as is and no further action is taken by COBEDT.

To code more SYSSWCH source lines, enter the code RDP in the continuation code field to redisplay the screen.

SSW code

Required data

When required data is missing

RDP code



4-10		
OS/3 EDT/COBOL	COBOL EDITOR(V8.0/1)	-Ordered Creation Mod
Special-Names A B	Screen (6 of 6)	Line nnnn.nnnn
SPECIAL-NAMES. <enter header<="" if="" td="" x=""><td>is not to be created</td><td>in Select Mode></td></enter>	is not to be created	in Select Mode>
CLASS-NAME (IS)	<mnemo< td=""><td>nic-name></td></mnemo<>	nic-name>
(VALUE (IS)	<literal> [THRU</literal>	teral>]
	<literal> [THRU</literal>	<literal>]</literal>
	<literal> [THRU</literal>	teral>]
	<literal> [THRU</literal>	<literal>]]</literal>
Continuation Code (MAR) [Next Scree	n is File Control]	
NRM = Normal Continuation	SEL = Enter Select	ive Creation Mode
CMD = Enter EDT Command Hode	RDP = Redisplay Th	is Screen
ALP = Display Alphabet-Name Screen	SCH = Display SYSC	HAN Screen
SSW = Display SYSSWCH Screen	SN1 = Display Spec	ial-Names 1 Screen
SN2 = Display Special-Names 2 Scre	en	
EDT Compand:		

The class-name screen provides the information to create the class-name portion of the special-names. This screen is displayed when requested by the CLN continuation code from the environment division screen, the special-names select screen, or other special-names screens.

To code more class-names or values, enter the code RDP in the continuation code field to redisplay the screen.



The file control screen provides the information to initialize the file-control portion of the input-output section and to display either a desired file select screen or the I-O control screen.

CLN code

RDP code

4–30

FST code

This screen is displayed if you selected the NRM continuation code on the environment division screen, the special-names select screen, or any of the special-names screens.

Keeping the code NRM in the continuation code field indicates that you have finished coding the environment division and the data division coding form screen (screen 4–36) is to be displayed next for coding the working-storage section of the data division.

SCREEN FILE SELECT TYP	E
4-12	
DS/3 EDT/COBOL	COBOL EDITOR(V8.0/1)-Ordered Creation Mode
File Selec	t Type Screen
CDR = Cardreader File Select	REL = Relative File Select
CDP = Cardpunch File Select	INX = Indexed File Select
PRT = Printer File Select	TAP = Tape File Select
IOC = Display I-O Control Screen	DIS = Sequential Disk File Select
Continuation Code (en is Data Division-FD]
NRM = Normal Continuation	SEL = Enter Selective Creation Mode
CMD = Enter EDT Command Mode	fff = Next File Select Code
EDT Command:@	

The file select type screen lists the available file select and the I-O control screens and their display codes.

This screen is displayed when requested by the FST continuation code from any of the file select screens or from the indexed select alternate record keys screen. (See screens 4–13 through 4–20.)

This screen is also displayed automatically each time you reenter the ordered creation mode after temporarily entering either the EDT command mode or the selective creation mode from a file select screen or the alternate record keys screen with source data entered and a code CMD or SEL in its continuation code field.

Seven select screens There are seven file select screens for seven COBOL file types, namely cardreader, cardpunch, printer, tape, sequential disk, relative, and indexed. Each screen provides the information to create the file select portion of the input-output section as indicated by its name.

Since the select clause is optional in a COBOL program, COBEDT doesn't create any source lines if no user data is entered on a file select screen. If you do code a select clause, COBEDT adds the file name specified to a temporary internal table to be used in the creation of the FD source lines. If you want to display another file select screen or the I-O control screen, enter the proper file select code on the current select screen.

If you temporarily enter either the EDT command mode or the selective creation mode from a file select screen without filling in any source data on the screen, upon returning to the ordered creation mode, the same screen is redisplayed. On the other hand, if you have filled in the source data, upon return, the file select type screen is displayed, allowing you to request another file select screen or the I-O control screen.

0S/3	3 EDT/COBOL	*****	COBOL EDITOR(V8.0	/1)-Ordered Creation Mod
			Cardreader Select	Line nnnn.nnn
A	8			
	SELECT	<optional,< td=""><td>spaces></td><td></td></optional,<>	spaces>	
			<file-name></file-name>	
	ASSIG	N (TO) CARDREADER	₹- <lfdname>-F</lfdname>	
	[RESEF	₹VE <1,2> AREA((S)]	
	[ORGA	VIZATION (IS) SEG	NUENTIAL]	
	[ACCES	SS (MODE IS) SEQU	JENTIAL]	
	[{FILI	E) STATUS (IS)		<data-name>].</data-name>
Co	ntinuation (Code (MARK) [Next	: Screen is Data Division	- FD]
1	NRM = Normal	l Continuation	SEL = Enter Sel	ective Creation Mode
	CMD = Enter	EDT Command Mode	e FST = Display F	ile Select Type Codes
	fff = Next	File Select Code		

CDR code

The cardreader select screen is displayed when requested by the CDR select code from the file control screen, the file select type screen, other file select screens, or the alternate record keys screen.

		SCREEN	CARDPUNCH SE	LECT	
		4-14		tin and a standard a trans	
0S/	/3	EDT/COBOL	*****	COBOL EDITOR(V8.0)	(1)-Ordered Creation Mode
			Cardg	ounch Select	Line nnnn.nnnn
A		B SELECT	<optional so:<="" th=""><th>ices></th><th></th></optional>	ices>	
				<file-name></file-name>	
		ASSIGN [RESER [ORGAN [ACCES	(TO) CARDPUNCH- VE <1,2> AREA(S)] IZATION (IS) SEQUENT S (MODE IS) SEQUENT)		,v>
		[(FILE) STATUS (IS)		<data-name>].</data-name>
Co	ont	tinuation C	ode (NIKK) [Next Scr	een is Data Division	- FD]
EDT	NF CM f1 T (RM = Normal MD = Enter ff = Next F Command:@	Continuation EDT Command Mode ile Select Code	SEL = Enter Sel FST = Display F	ective Creation Mode ile Select Type Codes

CDP code

The cardpunch select screen is displayed when requested by the CDP select code from the file control screen, the file select type screen, other file select screens, or the alternate record keys screen.

SCREEN		PRINTER SELECT		
	4 - 15			
os/3	3 EDT/COBO	L	COBOL EDITOR(V8	.@/1)-Ordered Creation Mode
1	*****	*****	******	******
		Print	er Select	Line nnnn.nnnn
A	В			
	SELECT	<optional, space<="" td=""><td>:s></td><td></td></optional,>	:s>	
			<file-name></file-name>	
	ASSI	GN (TO) PRINTER-	<lfdname>- <fc,< td=""><td>,UC,VC></td></fc,<></lfdname>	,UC,VC>
	[RES	ERVE <1,2> AREA(S)]	-	-
	ORG	ANIZATION (IS) SEQUENTIA	IL 1	
	1001	ESS (MODE IS) SEQUENTIAL	.1	
	[(FI	LE) STATUS (IS)	.,	<data-name>].</data-name>
Cor	ntinuatior	Code (MAR) [Next Scree	en is Data Divisi	ion-FD]
I	NRM = Norm	al Continuation	SEL = Enter S	Selective Creation Mode
,	CMD = Ente	r EDT Command Mode	F\$T = Display	/ File Select Type Codes
	fff = Next	File Select Code	• • •	
EDT	Command: (Q		
***	********	· · * * * * * * * * * * * * * * * * * *	*******	*******************

PRT code

The printer select screen is displayed when requested by the PRT select code from the file control screen, the file select type screen, other file select screens, or the alternate record keys screen.

SCREEN TA	TAPE SELECT			
4-16				
DS/3 EDT/COBOL	COBOL ED	ITOR(V8.0/1)-Ordered Creation Mod		
	Tape Select	Line nnnn.nnn		
A B				
SELECT	<optional, spaces=""></optional,>			
	<file-name></file-name>			
ASSIGN (TO)	TAPE- <lfdname>-</lfdname>	<f,u,v,fc,uc,vc></f,u,v,fc,uc,vc>		
[RESERVE	(1,2> AREA(S)]			
[ORGANIZATI	N (IS) SEQUENTIAL]			
[ACCESS (MO	E IS) SEQUENTIAL]			
[(FILE) STA	US (IS)	<data-name>].</data-name>		
Continuation Code @	(Next Screen is Data	Division-FD1		
NRM = Normal Cont	inuation SEL =	Enter Selective Creation Mode		
CMD = Enter EDT C	ommand Mode FST =	Display File Select Type Codes		
fff = Next File S	alect Code			
EDT Command:@				
*****	*******	*****		

TAP code

The tape select screen is displayed when requested by the TAP select code from the file control screen, the file select type screen, other file select screens, or the alternate record keys screen.

	SCREEN	SEQUENTIAL DISK SELECT					
	4-17		and ^b eing the second of the State				
OS/3 EDT/COBOL		COBOL EDITOR(V8.0/1)-Ordered Creation Mode					
		Sequentia	al Disk Select	Line nnnn.nnn			
A	В						
	SELECT	<optional, space<="" td=""><td>es></td><td></td></optional,>	es>				
			<file-name></file-name>				
	ASSIGN	(TO) DISC- <	fdname>- <f,v,fc,vc< td=""><td>></td></f,v,fc,vc<>	>			
	[RESER	VE <1,2> AREA(\$)]					
	[ORGAN	[ORGANIZATION (IS) SEQUENTIAL]					
	[ACCES	S (MODE IS) SEQUENTIA	AL]				
	[(FILE) STATUS (IS)		<data-name>].</data-name>			
Cor	ntinuation C	ode (MRR) [Next Scr	een is Data Division-	FD]			
1	NRM = Normal	Continuation	SEL = Enter Sele	ctive Creation Mode			
(CMD = Enter	EDT Command Mode	FST = Display Fi	le Select Type Codes			
	fff = Next F	ile Select Code					
EDT	Command:@						
***	*********	*****	*****	*****			

DIS code

The sequential disk select screen is displayed when requested by the DIS select code from the file control screen, the file select type screen, other file select screens, or the alternate record keys screen.
0\$/3	EDT,	/COBOL		COBOL EDITOR(V8	.0/1)-Ordered Creation Mod
		*******	Rela	ative Select	Line nnnn.nnn
A	в				
	SEL	ECT			
				<file-name></file-name>	
		ASSIGN (TO) DISC-	<lfdname>- <f,v></f,v></lfdname>	
		[RESERVE	<1,2> AREA(S)	1	
		ORGANIZA	TION (IS) RELATI	VE	
		[ACCESS	(MODE IS)	<sequential,rand< td=""><td>OM, DYNAMIC>]</td></sequential,rand<>	OM, DYNAMIC>]
		[RELATIV	E (KEY IS)		<data-name>]</data-name>
		[(FILE)	STATUS (IS)		<data-name>].</data-name>
Coi	ntinu	ation Cod	le ()HILLE) [Next S	creen is Data Divisi	on - FD]
1	NRM =	Normal (ontinuation	SEL = Enter S	elective Creation Mode
	CMD =	Enter ED	T Command Mode	FST = Display	File Select Type Codes
	fff =	Next Fil	e Select Code		
	C	and ·@			

REL code

Required data

screen.

If you indicate ACCESS MODE IS RANDOM or DYNAMIC, the RELATIVE KEY IS field is then required. If this field is not coded, an error message is displayed.

The relative select screen is displayed when requested by the

REL select code from the file control screen, the file select type screen, other file select screens, or the alternate record keys

SCREEN INDEXED SEL	LECT
4-19	
DS/3 EDT/COBOL	COBOL EDITOR(V8.0/1)-Ordered Creation Mod
1	Indexed Select Line nnnn.nnn
A B	
SELECT	
	<file-name></file-name>
ASSIGN (TO) DISC-	lfdname>- <f,v></f,v>
[RESERVE <1,2> AREA(S	\$>]
ORGANIZATION (IS) INDE	XED
[ACCESS (MODE IS)	<sequential, dynamic="" random,="">]</sequential,>
RECORD (KEY IS)	<data-name></data-name>
[(FILE) STATUS (IS)	<data-name>].</data-name>
Continuation Code ()	Screen is Data Division-FD]
NRM = Normal Continuation	SEL = Enter Selective Creation Mode
CMD = Enter EDT Command Mode	FST = Display File Select Type Codes
fff = Next File Select Code	ALK = Alternate Record Keys Required
EDT Command:@	
*******	*********

INX code

ALK code

The indexed select screen is displayed when requested by the INX select code from the file control screen, the file select type screen, other file select screens, or the alternate record keys screen.

If you want to specify alternate record keys for the indexed file, enter code ALK in the continuation code field to display the alternate record keys screen for coding.

		4	-20								
os,	/3	EDT	/COBOL					COBOL ED	ITOR(V8.0/1)-	Ordered Creati	on Mode
1	*	****	*****	*****	Inde	***** xed S	***** Select	Alternat	************** e Record Kevs	*************** Line on	*******
A		в							•	2	
			[ALTE	RNATE	RECORD	(KEY	IS)			<data-na< td=""><td>me></td></data-na<>	me>
			· (WITH)			<dupl< td=""><td>ICATES, spa</td><td>aces>]</td><td></td><td></td></dupl<>	ICATES, spa	aces>]		
			[ALTE	RNATE	RECORD	(KEY	IS)		-	<data-na< td=""><td>me></td></data-na<>	me>
			(WITH			<dupl< td=""><td>ICATES, spa</td><td>aces>]</td><td></td><td></td></dupl<>	ICATES, spa	aces>]		
			[ALTE	RNATE	RECORD	(KEY	IS)			<data-na< td=""><td>me></td></data-na<>	me>
			(WITH			<dupl< td=""><td>ICATES, spa</td><td>aces>]</td><td></td><td></td></dupl<>	ICATES, spa	aces>]		
			[ALTE	RNATE	RECORD	(KEY	IS)	-		<data-na< td=""><td>me></td></data-na<>	me>
			(WITH			<dupl< td=""><td>ICATES, spa</td><td>aces>]</td><td></td><td></td></dupl<>	ICATES, spa	aces>]		
Co	ont	tinu	ation	Code		[Next	Scre	en is Data	a Division-FD]	
	NR	RM =	Norma	l Con	tinuati	on		SEL = I	Enter Selecti	ve Creation Mo	de
	CM	4D =	Enter	EDT	Command	Mode)	FST = I	Display File :	Select Type Co	des
	RD)P =	Displ	ay Th	is Scre	en Ag	ain	fff = I	Next File Sel	ect Code	

The alternate record keys screen provides the information to create the alternate key source lines for an indexed select clause. This screen is displayed when requested by code ALK from the indexed select screen.

The alternate record keys are optional. If no user data is entered on the screen, no source lines are created. If you want to code more alternate keys, enter RDP in the continuation code field to redisplay the screen. If you want to display another file select screen or the I-O control screen, enter the proper file select code in the continuation code field.

SCREEN I-O	CONTROL	
4-21		
OS/3 EDT/COBOL	COBOL EDITOR(V8.0/1)-Ordered Creation Mode
****************	******	******
	I-O Control	Line nnnn.nnnn
A B		
I-O-CONTROL. <ente< td=""><td>er X if Line is not to be create</td><td>ed in Select Mode></td></ente<>	er X if Line is not to be create	ed in Select Mode>
[RERUN ON [<disc,disk,tape>-] <</disc,disk,tape>	lfdname>[- <1,2>]
EVERY	<integer> RECORDS (OF)</integer>	
	<filename>]</filename>	
[<enter i<="" if="" td="" x=""><td>filenames to be created without</td><td>SAME AREA line></td></enter>	filenames to be created without	SAME AREA line>
SAME	<record,sort,sort-merge> (AREA</record,sort,sort-merge>	FOR)
	<filename></filename>	
	<filename>}</filename>	
[MULTIPLE FILE ((TAPE CONTAINS) <enter if="" l<br="" x=""><filename></filename></enter>	ine is to be created>
POSITION	<integer>]</integer>	
Continuation Code 🎕	(Next Screen is I-O Contro	ol Applys]
NRM = Normal Conti	inuation SEL = Enter Select	ive Creation Mode
CMD = Enter EDT Co	ommand Mode RDP = Display This	Screen Again
EDT Command:@		
*****	*****	*****

The I-O control screen provides the information to create part of the I-O control paragraph.

ALK code

Keys are optional.

Coding more keys

IOC code

RDP code

This screen is displayed when requested by the IOC continuation code from the file control screen, the file select type screen, the file select screens, or the alternate record keys screen. Note that you request the display of the I-O control screen only after you finish coding all the desired select clauses.

If no user data is entered on this screen, no source lines are created. If you want to include more files in the SAME AREA or MULTIPLE FILE clauses, enter the code RDP in the continuation code field to redisplay this screen.

S/3 EDT/COBOL	COBOL EDITOR(V8.Ø/1)-Ordered Creation Mode
	I-O Control Applys	Line nnnn.nnnn
В		
(APPLY BLOCK-COUNT	ON <enter be="" cr<="" if="" is="" line="" td="" to="" x=""><td>eated></td></enter>	eated>
	<filename,tapes>]</filename,tapes>	
[<filename>]]</filename>	
[APPLY VERIFY ON	<enter be="" created<="" if="" is="" line="" td="" to="" x=""><td>></td></enter>	>
	<filename>]</filename>	
[<filename>]]</filename>	
(APPLY INDEX-AREA	OF <enter be="" cre<="" if="" is="" line="" td="" to="" x=""><td>ated></td></enter>	ated>
<inter< td=""><td>eger> CHARACTERS ON</td><td></td></inter<>	eger> CHARACTERS ON	
	<filename></filename>	
[<filename>]].</filename>	
Continuation Code 🗰	Next Screen is Data Division	- FD]
NRM = Normal Continu	uation SEL = Enter Selective (reation Mode
CMD - 5-4 507 6	and Mode - PDD - Dieploy This Same	en Again

The apply screen provides the information to create APPLYs in the I-O control paragraph. This screen is displayed when COBEDT completes processing the I-O control screen.

If no user data is entered, no source lines are created. If you want to include more file names in any of the APPLY clauses, enter code RDP in the continuation code field to redisplay this screen. If multiple file names are used, each APPLY clause must be completed with all of its file names entered before the next APPLY clause can be coded.

RDP code Multiple file names



	4-23	9200) 2. (1990) - 198		
0\$/3	EDT/COBOL	COBOL	EDITOR(V8.0/1)-Or	dered Creation Mod
****	**************************************	**************************************	**************************************	**************************************
A	8	I DIVISION - FILE	Section (PD)	
FD	0	<file-na< td=""><td>ne></td><td></td></file-na<>	ne>	
	[BLOCK (CONTAINS)	<integer> [</integer>	TO <integ< td=""><td>er>]</td></integ<>	er>]
	<records, c<="" td=""><td>HARACTERS>]</td><td>-</td><td>-</td></records,>	HARACTERS>]	-	-
	(RECORD (CONTAINS)	<integer> [TO</integer>	<integer>] (CH</integer>	ARACTERS)]
	LABEL RECORD(S) (ARE)		<standard, omitted<="" td=""><td>),data-name></td></standard,>),data-name>
	[VALUE OF [FILE-ID (IS	;)	<	(data-name>]
	[PASSWORD (IS)		<data-< td=""><td>name>]</td></data-<>	name>]
	[CODE-SET (IS)		<alphabet< td=""><td>name>].</td></alphabet<>	name>].
Con	tinuation code (MRM) (Next Screen is FI	D Data Record Form	1]
N	RM = Normal Continuatio	on SEL =	Enter Selective C	reation Mode
C	MD = Enter EDT Command	Mode LIN =	Linage Screen Rec	uired
S	DD = Current File is a	Sort File-Displa	y SD Screen	
EDT	Command:@			

After the source lines for the desired SELECT clauses and the I-O CONTROL paragraph are created, COBEDT checks the temporary internal file name table created during the processing of the SELECT screens and then displays the FD screen for each of the file names listed with the file name placed in its FD file-name field.

- SDD codeIf the file is a sort file, you must not enter source data here but
enter the SDD continuation code to request the SD screen
(screen 4–26) for coding the SD source lines. If you want to
code the LINAGE clause with the current FD, enter the LIN
continuation code to display the linage screen (screen 4–24) for
coding. In this case, the period displayed on the current FD
screen is not generated.
- *First FD entry* In the ordered creation mode processing, if the current FD is the first entry in the file section, COBEDT first creates the DATA DIVISION and FILE SECTION source lines and then the source lines from the current FD screen.

If you temporarily enter either the EDT command mode or the selective creation mode from an FD screen without filling in any source data on the screen, upon returning to the ordered creation mode, the same screen is redisplayed. On the other hand, if you have filled in the source data, upon return, the FD data record form screen (screen 4–25) is displayed.

NOTE:

The internal table for the file names specified in SELECT clauses is created only in ordered creation mode processing and lasts for the duration of the current COBEDT session. If you request an FD screen in the selective creation mode, you must place the file name specified in a SELECT clause in the FD file-name field.

DS/3 EDT/COBOL	COBOL EDITOR (V8	.0/1)-Ordered Creation Mode
Fi	le Section - Linage	Line nnnn.nnn
A B		
(LINAGE (IS)	<data< td=""><td>-name,integer> LINES</td></data<>	-name,integer> LINES
[(WITH) FOOTING (A	ד) <	data-name,integer>]
[(LINES AT) TOP	<	data-name,integer>]
[(LINES AT) BOTTOM	· · · · ·	data-name,integer>]].
Continuation Code ([Next Screen is FD Data Rec on SEL = Enter Selectiv	ord Form] e Creation Mode



The linage clause screen provides the information to create the linage clause source lines. This screen is displayed when requested by the LIN continuation code from the FD screen.

All user data on the screen is optional. If no data is entered, no source lines are created.

SCREEN FD DAT	A RECORD FORM	
4-25		
OS/3 EDT/COBOL	COBOL EDITOR(V8.0/	1)-Ordered Creation Mode
	FD Data Record Form	Line nnnn.nnnn
CÎA B	41	
kø 1	<data-record-name></data-record-name>	
t		
I		
I		
1		
1		
1		
Í		
I		
Continuation Code ([Next Screen varies]	
NRM = Normal Continuati	on SEL = Enter Selec	tive Creation Mode
CMD = Enter EDT Command	Mode RDP = Display Thi	s Screen Again
EDT Command:@		
*******	******	*****

The FD data record form screen provides you space to create a data record associated with an FD, SD, or CD. This screen is displayed after an FD, SD, or CD is coded and processed and can be redisplayed as many times as necessary to complete the record definition.

Data record name The data record name must be coded the first time the screen is displayed. On subsequent displays, if the data record name field is left blank, the data on the screen is considered a continuation of the current 01 level.

When the normal continuation is indicated, the next screen to be displayed is either the FD screen (screen 4-23) when there are more files to be defined or the data division coding form screen (screen 4-36).

	4-26				
s/3	EDT/COBO	L	COBO	DL EDITOR(V8.0/1)	-Ordered Creation Mode
***	*******	Data	a Division - Fi	e Section (SD)	Line nnnn.nnn
A	в				
SD			<file-r< td=""><td>name></td><td></td></file-r<>	name>	
	[RECORD	(CONTAINS)	<integer></integer>		
		[10	<integer>]</integer>	(CHARACTERS)].	
Con NI Ci	tinuation RM = Norm MD = Ente	n Code (MRM) Mal Continuation Fr EDT Command	[Next Screen is on SEL = En Mode FDD = D	FD Data Record F nter Selective Cr isplay FD Screen	orm] eation Mode

The SD screen provides the information to create the SD entry of a sort/merge file. This screen is displayed when requested by the SDD continuation code from the FD screen. In ordered creation mode processing, the name of the file is automatically displayed in the SD file-name field by COBEDT.

If the file is not a sort file and you have requested the SD screen by mistake, you may return to the FD screen by specifying the FDD continuation code on the SD screen.

If you temporarily enter either the EDT command mode or the selective creation mode from an SD screen without filling in any source data on the screen, upon returning to the ordered creation mode, the same screen is redisplayed. On the other hand, if you have filled in the source data, upon return, the FD data record form screen is displayed.

SDD code

FDD code

0S/3 ****	EDT/COBOL	*****	COBOL EDITOR(V8.0/1)-Or	dered Creation Mod
		Communication Se	ction Input CD (1 of 2)	Line nnnn.nnn
A	в		•	
CD		<	cd-name>	
	(FOR) [<initial, spaces="">]</initial,>	(INPUT)	
	[(SYMBOL IC) QUEUE (IS)		<data-name>]</data-name>
	[(SYMBOL IC) SUB-QUEUE-1 (IS)		<data-name>]</data-name>
	[(SYMBOLIC) SUB-QUEUE-2 (IS)		<data-name>]</data-name>
	[(SYMBOLIC) SUB-QUEUE-3 (IS)		<data-name>]</data-name>
	[MESSAGE D	ATE (IS)	<dat< td=""><td>a-name>]</td></dat<>	a-name>]
Con	tinuation Co	de (MARE) [Next Scre	en is FD Data Record Form]
N	RM = Normal	Continuation	SEL = Enter Selective	Creation Mode
c	MD = Enter E	DT Command Mode	NCD = Display Second	Part of CD
	CD - Dienlau	Input CB Screen	OCB - Display Output	CD Screen

ICD code

First CD entry

The input CD 1 screen provides the information to create the initial part of an input CD. This screen is displayed when requested by the ICD continuation code from the data division coding form screen (screen 4–36), the input CD 2 screen, or the output CD screen.

CD name missing CD name missing CD name missing CD name missing COBEDT doesn't create any source lines. If data is entered but the CD name is not included, COBEDT displays an error message.

> If the current CD is the first entry in the communication section, COBEDT first creates the COMMUNICATION SECTION source line and then the source lines from the current screen.



The input CD 2 screen provides the information to create the remainder of the input CD. This screen is displayed when requested by the NCD continuation code from the input CD 1 screen.

NCD code

CD name missing

The user data on this screen is optional. If no data is entered, COBEDT doesn't create any source lines. If no data was entered on the input CD 1 screen but data is entered on this second one, COBEDT responds with an error message and redisplays the first input CD screen for you to add the CD name. If you don't add the name, the input CD source lines are created without the name.



OCD code

CD name missing

The output CD screen is displayed when requested by the OCD continuation code from the input CD screens or the data division coding form screen (screen 4–36).

The user data on this screen is optional. If no data is entered, COBEDT doesn't create any source lines. If data is entered without the CD name, an error message is displayed.

If you want more than two index-names, enter the code OCD in the continuation code field to redisplay this screen.

OS/3 EDT/COBOL COBOL EDITOR(V8.0/1)-Ordered Creation Data Item Description Line nnnn <level-number> <data-name,filler> [REDEFINES <data-name] [PIC (IS) <comp,comp-n,display,index>] [ISIGN (IS)] <leading,trailing> [SEPARATE (CHARACTER)]] <enter character="" for="" separate="" x=""> [SYNCHRONIZED <left,right>] [JUSTIFIED RIGHT] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <[BLANK (WHEN) ZERO] <[BLANK</enter></enter></enter></enter></enter></enter></enter></enter></enter></enter></enter></enter></enter></left,right></enter></leading,trailing></comp,comp-n,display,index></data-name] </data-name,filler></level-number>	on Mode
Data Item Description Line nnni <level-number> <data-name,filler> [REDEFINES <data-name>] [PIC (IS) <character string="">] [USAGE (IS) <comp.comp.n,display,index>] [SIGN (IS)] <leading,trailing> [SEPARATE (CHARACTER)]] Enter X for SEPARATE CHARACTER> [SYNCHRONIZED <left,right>] [JUSTIFIED RIGHT] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""></enter></enter></left,right></leading,trailing></comp.comp.n,display,index></character></data-name></data-name,filler></level-number>	
Data Item Description Line nnn <level-number> <data-name,filler> [REDEFINES <data-name>] [PIC (IS) <character string="">] [USAGE (IS) <comp,comp-n,display,index>] [[SIGN (IS)] <leading,trailing> [SEPARATE (CHARACTER)]] Enter X for SEPARATE CHARACTER> [SYNCHRONIZED <left,right>] [JUSTIFIED RIGHT] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""></enter></enter></left,right></leading,trailing></comp,comp-n,display,index></character></data-name></data-name,filler></level-number>	*****
<pre>(level-number></pre>	n .nnnn
[REDEFINES <data-name>] [PIC (IS) <character string="">] [USAGE (IS) <comp.comp-n.display,index>] [[SIGN (IS)] <leading,trailing> [SEPARATE (CHARACTER)]] <enter character="" for="" separate="" x=""> [SYNCHRONIZED <left,right>] [JUSTIFIED RIGHT] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""></enter></enter></left,right></enter></leading,trailing></comp.comp-n.display,index></character></data-name>	
<pre>[PIC (IS) </pre> <pre> </pre>	
<pre>[USAGE (IS) <comp.comp-n,display,index>] [[SIGN (IS)] <leading,trailing> [SEPARATE (CHARACTER)]] <enter character="" for="" separate="" x=""> [SYNCHRONIZED <left,right>] [JUSTIFIED RIGHT] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""></enter></enter></left,right></enter></leading,trailing></comp.comp-n,display,index></pre>	
<pre>[[SIGN (IS)] <leading,trailing> [SEPARATE (CHARACTER)]] <enter character="" for="" separate="" x=""> [SYNCHRONIZED <left,right>] [JUSTIFIED RIGHT] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""></enter></enter></left,right></enter></leading,trailing></pre>	
[SEPARATE (CHARACTER)]] <enter character="" for="" separate="" x=""> [SYNCHRONIZED <left,right>] [JUSTIFIED RIGHT] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""></enter></enter></left,right></enter>	
[SYNCHRONIZED <left,right>] [JUSTIFIED RIGHT] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""></enter></enter></left,right>	
[JUSTIFIED RIGHT] <enter be="" created="" if="" is="" line="" to="" x=""> [BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""></enter></enter>	
[BLANK (WHEN) ZERO] <enter be="" created="" if="" is="" line="" to="" x=""></enter>	
[VALUE (IS) teral>1	
continuation Code (MAR) [Next Screen is Data Division Coding Form]	
NRM = Normal Continuation RDP = Display This Screen Again	
CMD = Enter EDT Command Mode SEL = Enter Selective Creation Mod	
	1e

DAT code

The data item description screen provides the information to create a data item in the data division. This screen is displayed when requested by the DAT continuation code from the OCCURS screen (screen 4–31), the KEY IS screen (screen 4–32), the INDEXED BY screen (screen 4–33), or the data division coding form screen (screen 4–36).

All the data on this screen is optional. If no data is entered, no source lines are created.

SCREEN OCCURS CLAUSE		
4-31		
OS/3 EDT/COBOL	COBOL EDITOR(V8.0/1)-	Ordered Creation Mode
	OCCURS Clause	Line nnnn.nnnn
[DEPENDING (ON)	(IIMES) (data-na	ime>]]
Continuation Code ()) NRM = Normal Continuation CMD = Enter EDT Command Mode DAT = Display Data Description EDT Command:@	een is Data Division Co SEL = Enter Select KEY = Display KEY IDX = Display INDE	ding Form] ive Creation Node IS Screen XED BY Screen

The OCCURS screen provides the information to create an OCCURS clause. This screen is displayed when requested by the OCC continuation code from the data item description screen.

All the data on this screen is optional. If no data is entered, no source lines are created.

4-32						
OS/3 EDT/COBOL	c	OBOL EDITOR(V8.0/1)-Ordered Creation Mode			
*****	******	*****	********			
	Data Item KE	Y IS Clause	Line nnnn.nnnn			
[<asc< td=""><td>ENDING, DESCENDING> (KEY</td><td>15)</td><td></td></asc<>	ENDING, DESCENDING> (KEY	15)				
	<dat< td=""><td>:a-name></td><td></td></dat<>	:a-name>				
	<dat< td=""><td>a-name></td><td></td></dat<>	a-name>				
	<dat< td=""><td>a-name></td><td></td></dat<>	a-name>				
	<dat< td=""><td>a-name></td><td></td></dat<>	a-name>				
	<dat< td=""><td>a-name></td><td></td></dat<>	a-name>				
	<dat< td=""><td>a-name></td><td></td></dat<>	a-name>				
	<dat< td=""><td>a-name>]</td><td></td></dat<>	a-name>]				
Continuation Co	de (####) [Next Screen	is Data Division	Coding Form]			
NRM = Normal	Continuation	SEL = Enter Sele	ctive Creation Mode			
CMD = Enter E	DT Command Mode	RDP = Display Th	is Screen Again			
		DAT = Display Data Description				

The KEY IS screen provides the information to create a KEY IS clause. This screen is displayed when requested by the KEY continuation code from the OCCURS screen.

All data on this screen is optional. If no data is entered, no source lines are created.

4-33			
DS/3 EDT/COBOL	*****	COBOL EDITOR(V8.0/1)	-Ordered Creation Mode
	Data Item	INDEXED BY Clause	Line nnnn.nnnn
(INDEXED (BY)	<enter i<="" if="" line="" td="" x=""><td>s to be created></td><td></td></enter>	s to be created>	
[<i< td=""><td>ndex-name>]</td><td></td></i<>	ndex-name>]	
t	<i< td=""><td>ndex-name>]</td><td></td></i<>	ndex-name>]	
[<i;< td=""><td>ndex-name>]</td><td></td></i;<>	ndex-name>]	
[<i< td=""><td>ndex-name>]</td><td></td></i<>	ndex-name>]	
[<i< td=""><td>ndex-name>]</td><td></td></i<>	ndex-name>]	
ſ	<i< td=""><td>ndex-name>]</td><td></td></i<>	ndex-name>]	
[<i< td=""><td>ndex-name>]</td><td></td></i<>	ndex-name>]	
[<i< td=""><td>ndex-name>]]</td><td></td></i<>	ndex-name>]]	
Continuation Co	ode (NRM) [Next Sc	reen is Data Division C	oding Form]
NRM = Normal	Continuation	SEL = Enter Selec	tive Creation Mode
CMD = Enter B	DT Command Mode	RDP = Display Thi	s Screen Again
DAT = Display	Data Description		
EDT Command:@			

The INDEXED BY screen provides the information to create an INDEXED BY clause. This screen is displayed when requested by the IDX continuation code from the OCCURS screen or the KEY IS screen.

All data on this screen is optional. If no data is entered, no source lines are created.

KEY code

IDX code

	SCREEN 4-34		
	OS/3 EDT/COBOL	COBOL EDITOR(V8.0/	1)-Ordered Creation Mode
		RENAMES Data Item	Line nnnn.nnnn
	А В 66	<data-name></data-name>	
	RENAMES	<data-name< td=""><td>></td></data-name<>	>
	[THRU	<data-name>]</data-name>	
	Continuation Code () NRM = Normal Continua CMD = Enter EDT Comma EDT Command:@ *******	[Next Screen is Data Division tion SEL = Enter Sel nd Mode RDP = Display T	Coding Form] ective Creation Mode his Screen Again
code	The RENAMES scre RENAMES clause. Th the REN continuation screen (screen 4-36).	en provides the infor nis screen is displayed code from the data	mation to create a when requested by division coding form
ause starts in n 10	All user data on this source lines are creat source line with level the RENAMES clause	screen is optional. If ne ed. If data is entered, number 66 starting in stand out from other le	o data is entered, no COBEDT creates the column 10 to make evel numbers.
	SCREEN COND	ITION NAME DATA ITEM	
		na na hara na h	
	OS/3 EDT/COBOL	COBOL EDITOR(V8.0/	1)-Ordered Creation Mode
		Condition Name Data Item	Line nnnn.nnnn
	A B		
		<condition-name></condition-name>	<pre>cliteral></pre>
	[THRU		teral>]
	۰ ۲	<	literal>
	(THRU		teral>]]
		×	<pre>cliteral>11</pre>
			~~

ſ

EDT Command:@

[THRU

NRM = Normal Continuation

CMD = Enter EDT Command Mode

REN

The cl colum

CND code

The condition name screen is displayed when requested by the CND continuation code from the data division coding form screen (screen 4-36).

Continuation Code (MAR) [Next Screen is Data Division Coding Form]

<literal>

SEL = Enter Selective Creation Mode

RDP = Display This Screen Again

<literal>]]

4-46

Indentation of lines

All user data on this screen is optional. If no data is entered, no source lines are created. If data is entered, the source lines with level number 88 are created and indented two columns (character positions) from the beginning of the associated data description source line. For example:

Ø2 P	AYROLL - PERIOD	PIC 9.
88	WEEKLY	VALUE Ø.
88	MONTHLY	VALUE 1.

4-30		
OS/3 EDT/COBOL	COBOL EDITOR(V8.0/1)	-Ordered Creation Mode
*********	******	******
Data Div	vision Coding Form	Line nnnn.nnnn
Level# Data Description		
Continuation Code (MRM) [Next S	Screen is Data Division (oding Form)
NRM = Normal Continuation	SEL = Enter Selective	Creation Mode
CMD = Enter EDT Command Mode	PDC = Display Procedur	e Division Coding Form
ICD = Display Input CD Screen	DAT = Display Data Ite	m Description Screen
OCD = Display Output CD Screen	CND = Display Conditio	n Name Screen
	REN = Display RENAMES	Screen
	Ken - Viopia, Kenniev	our cent

The data division coding form screen lets you create the source lines for the working-storage section by entering the level numbers and their associated data descriptions. This screen is displayed if you selected the NRM continuation code on any one of the following screens: file-control, FD data record form (if all the FD/SD files have been defined), data item description, OCCURS, KEY IS, INDEXED BY, RENAMES, or condition name. This screen is redisplayed until either COBEDT is terminated or a procedure division coding form screen is requested.

When the screen is transmitted, COBEDT checks the level number of each source line. If it is 01 or 77, the source line is started at column 8. If it is 66, the source line is started at column 10. COBEDT indents source lines with level numbers other than 01, 77, or 66. Source lines at first level below level 01 are created with the level numbers starting at column 12. Subsequent source lines with new and greater level numbers are indented an additional two columns.

Level numbers 01 and 77 Level number 66

Other level numbers

NOTE:

When you request the data division coding form screen in the selective creation mode, all source lines with level numbers other than 01, 66, or 77 begin in column 12.

In the ordered creation mode, after the data division coding form screen is first displayed and transmitted, COBEDT creates the DATA DIVISION source line (if it has not already been created), the WORKING-STORAGE SECTION source line, and then the source lines from this first screen.

From a data division coding form screen, you may request the data item description screen, the condition name screen, or the RENAMES screen to assist you in coding the working-storage section.

*Coding the linkage section*To code the linkage section, you must enter the selective creation mode and key in your data on the standard COBOL coding form screen (screen 5–1). When you return to the ordered creation mode, another data division coding form screen is displayed.

Coding the communication section To code the communication section, you must use the appropriate continuation code to display the desired CD screen for coding. After the communication section has been created, a data division coding form screen is redisplayed.

Calling a procedure division coding form screen To display a procedure division coding form screen for coding the procedure division, enter code PDC in the continuation code field of the current data division coding form screen.

Procedure Division Screen

	Ĺ	4-37										
S/3	3 EC)T/COB	0L ******	******	******	****	COBOL	EDITOR	(V8.Ø/1)-Order ******	ed Creat *******	ion Mode:
					Procedu	ure (Divsion	Coding	; Form		Line nr	nn.nnn
Cl	A	в										
1												
1												
1												
1												
1												
1												
1												
Í												
I												
1	l											
Coi	htir	nuatio	n Code		[Next	Scre	een is	Procedu	ure Divi	sion Co	ding For	^m]
. I	NRM	= Nor	mai Cor	ntinuati	on	SEL	= Ente	r Selec	ctive Cr	eation	Mode	•
f	CMD	= Ent	er EDT	Command	Mode	vvv	vvvvv =	Displa		vvv Ver	b Skele	ton
:пт	6	mand	@			• • • •			-,			

PDC code

This screen is initially displayed when requested by the PDC continuation code from the data division coding form screen. The first three lines of the form let you create margin A source lines. These source lines include the PROCEDURE DIVISION header, section headers, paragraph names, and the DECLARATIVES and END DECLARATIVES statements. You may use the entire form to create margin B source lines, which are the procedure division verb statements.

The PROCEDURE DIVISION source line and a paragraph name source line must be coded the first time the procedure division coding form screen is displayed.

NOTE:

Appendix A presents all the verb skeleton screens and verb skeleton display codes.

4.5. SUMMARY OF ORDERED CREATION MODE SCREENS AND THEIR DISPLAY CODES

Table 4-1 lists all the available ordered creation mode screens and their display codes. The screen numbers of the screens in Table 4-1 correspond to the screen numbers labeled in 4.4.

NOTE:

For display code NRM, the resulting screens listed in Table 4–1 are applicable only in ordered creation mode processing. In selective creation mode processing, display code NRM always causes a standard COBOL coding form screen to be displayed. See Section 5 for more information.

Sorsen No.	Bcresn Name	Display Code	Calling Screen
4-1	Control division	CON	Identification division
4–2	Identification division	NRM	First display in the ordered mode control division
4–3	Environment division	NRM	Identification division
45	Special-names screen 1	SN1	Environment division Special-names select* Other special-names screens
4–6	Special-names screen 2	SN2	Environment division Special-names select* Other special-names screens
4–7	Special-names SYSCHAN	SCH	Environment division Special-names select* Other special-names screens
4–8	Special-names alphabet-name	ALP	Environment division Special-names select* Other special-names screens
4–9	Special-names SYSSWCH	SSW	Environment division Special-names select [•] Other special-names screens
4-10	Special-names class-name	CLN	Environment division Special-names select* Other special-names screens
4-11	File control	NRM	Environment division Special-names select* Special-names screens

Table 4–1. Ordered Creation Mode Screen Summary (Part 1 of 3)

Display Code 6:98D **Calling Screen** Screen Name No. 4–12 FST Cardreader select File select type Cardpunch select Printer select Tape select Sequential disk select **Relative select** Indexed select Alternate record keys CDR 4-13 Cardreader select File control File select type Other select screens Alternate record keys 4-14 Cardpunch select CDP File control File select type Other select screens Alternate record keys 4-15 Printer select PRT File control File select type Other select screens Alternate record keys 4-16 Tape select TAP File control File select type Other select screens Alternate record keys 4-17 Sequential disk select DIS File control File select type Other select screens Alternate record keys 4-18 REL Relative select File control File select type Other select screens Alternate record keys 4-19 Indexed select INX File control File select type Other select screens Alternate record keys 4-20 Alternate record keys ALK Indexed select 4-21 I-O control IOC File control File select type Select screens Alternate record keys 4-22 NRM I-O control apply I-O control

Table 4-1. Ordered Creation Mode Screen Summary (Part 2 of 3)

Screen: No:	Screen Neme	Display Code	Calling Somen
4–23	FD	NRM	File select type Select screens Alternate record keys I-O control apply
4-24	LINAGE	LIN	FD
4–25	FD data record form	NRM	FD LINAGE SD Input CD Output CD
4–26	SD	SDD	FD
4-27	Input CD 1	ICD	Data division coding form Input CD 2 Output CD
4-28	Input CD 2	NCD	Input CD 1
4–29	Output CD	OCD	Input CD 1 Input CD 2 Data division coding form
4–30	Data item description	DAT	OCCURS KEY IS INDEXED BY Data division coding form
431	OCCURS	осс	Data item description
4-32	KEY IS	KEY	OCCURS
4–33	INDEXED BY	IDX	OCCURS KEY IS
4-34	RENAMES	REN	Data division coding form
4-35	Condition name	CND	Data division coding form
4–36	Data division coding form	NRM	File control FD data record form** Data item description OCCURS KEY IS INDEXED BY RENAMES Condition name Data division coding form
4-37	Procedure division coding form	PDC NRM	Data division coding form Procedure division coding form

Table 4-1. Ordered Creation Mode Screen Summary (Part 3 of 3)

* COBEDT automatically display the special-names select screen under certain conditions. See screen 4-4 in 4.4 for an explanation.

** Transmission of the FD data record form screen with NRM code causes the display of a data division coding form screen only if all the FD/SD files have been defined. See screens 4-25 and 4-36 in 4.4 for more information.

5. Creating COBOL Source Programs in Selective Creation Mode

5.1. OPERATING IN SELECTIVE CREATION MODE

When to use the selective creation mode

If you're an experienced COBOL user, you may wish to use the selective creation mode, instead of the ordered creation mode, to assist in coding your COBOL source program. In the selective creation mode, COBEDT lets you create different portions of your program in any order you choose. COBEDT normally displays the standard COBOL coding form screens for you to enter source data.

0S/3	EDT	/COBOL				С	OBOL	EDITOR	v8.ø/1)-Select	ive Cr	eation M	lod
****	****	*****	****	******	******	****	*****	******	*****	******	*****	*******	**
					Stand	ard	COBOL	Coding	Form		Line	nnnn.nn	nn
CIA	В												
1													
I													
ł													
I.													
I													
I													
I													
I													
I													
Con	tinu	ation	Code		[Next	Scre	en is	the St	andarc	COBOL C	oding	Form]	
N	RM =	Norma	l Cor	ntinuatio	on	Т	MP = 1	Display	Creat	ion Scre	en Lis	t	
C	MD =	Enter	EDT	Command	Mode	s	ss = 1	Display	Creat	ion Scre	en sss		
R	ET =	Retur	n to	Ordered	Mode	v	****	vv = Dis	splay	Verb Ske	leton	******	
EDT	Comm	and:@											

All other creation screens (for example, the ordered creation mode screens and the COBOL verb skeletons) are available upon request.

Entering the selective creation mode To create your COBOL program via the selective creation mode, you must keep option 2 in the select creation mode field of the option select screen. Once this screen is processed, a standard COBOL coding form screen appears, and you may enter your source data.

OS/3 EDT/COBOL Select Creation Hode : 2 1=Create in COBOL Program Order 2=Create Selected Portions of the COBOL |

No syntax checking COBEDT does not check the syntax of the data entered on a standard COBOL coding form screen.

Work-space line numbers If you create your program in other than the standard COBOL program order, you must make certain that the current position in the work-space file reflected by the line number displayed on the screen is where you want COBEDT to place the source lines created. Do this either by directly changing the line number displayed on the current screen or by getting into the EDT command mode and then using the @ command to reset the line number. COBEDT doesn't check whether any existing lines are overwritten by the lines being created.

You may at any time request that one of the ordered creation Using the ordered creation mode screens mode screens be displayed. You may then use it to create that portion of the program and change its line number if desired. COBEDT checks to ensure that all required data for that screen is Checking the syntax entered. If required data is missing, upon transmission, an error message is displayed and the location of the error is indicated by a blinking field. To correct the error, reposition the cursor to the beginning of the blinking field (if it does not automatically reposition itself to the error field) and key in the required data. If you choose not to correct it, simply retransmit the screen. The source lines are then written to the work-space file as they are, and no additional action is taken. (For more information on the ordered creation mode, see Section 4.)

Adopting other selective Creation mode screens creation mode screens be displayed to aid in your coding. These screens include COBOL verb skeletons, the COBOL program skeleton, and the creation mode screen list (5.2).

NOTE:

In selective creation mode processing, when you transmit an ordered or a selective creation mode screen with NRM in its continuation code field, the next screen displayed is always a standard COBOL coding form screen. Entering EDT command mode Further, you may enter EDT command mode at any time by entering code CMD in the continuation code field of the current screen. Upon return, COBEDT resumes selective creation mode processing and displays a standard COBOL coding form screen.

5.2. SELECTIVE CREATION MODE SCREENS

The selective creation mode screens include the standard COBOL coding form screen, the COBOL program skeleton screen, the creation mode display screen list screen, and the procedure division verb skeleton screens. Appendix A describes the verb skeleton screens. The rest of the screens are presented here.

Standard COBOL Coding Form Screen

		_																					
0	s/3	E	DT/	C0	30L		••					C0	BOL	EDI	TOR	V8.¢)/1)-	Sele	ctiv	e Cr	eati	on F	lode
-	cia I		8							Sta	ndar	d C	OBOL	Co	ding	For	. m			Line	nnr	9.nr	าทก
	 					.	-														_		
	Lor N (RM MD	= =	No En	on rma ter	LOO L C ED	on T	tinua Comma	, ntic and	(wex on Mode	τος	TM SS	n 15 P = s =	Disp Disp Disp	e st play play	anda Cre Cre	ard (ationalised) ationalised	in Sci In Sci	reen reen	Lis Sss	t	•]	
E	R Dt	ET Co	= mma	Re Ind	tur :@	n t	0	Orde	ed	Mode		v٧	***	vv :	= Di	spla	ay Ve	erb Sl	kele	ton	****	***	'

The standard COBOL coding form screen is the first screen displayed under the selective creation mode. You may specify any one of the continuation codes indicated on the screen and/or enter EDT commands without entering any source lines. You may also change the line number displayed at any time.

If the screen is displayed through temporarily entering the selective creation mode from the ordered creation mode, overwriting default continuation code NRM with RET returns you to ordered mode processing.

RET code

Creation Mode Display Screen List Screen

5-2		
D\$/3 EDT/COBOL	COBOL EDITOR(V8.0/1)-Select	ive Creation Mode
Creati	ion Mode Display Screen List	**************
CON=Control Division	CLN=Class Names	IOC=I-O Control
IDE=Identification Div.	FIL=File Control	APP=Applys
ENV=Environment Division	CDR=Cardreader Select	FDD=FD Display
SN1=Special-Names 1	CDP=Cardpunch Select	LIN=Linage
SN2=Special-Names 2	PRT=Printer Select	SDD=SD Display
SCH=SYSCHAN	TAP=Tape Select	ICD=Input CD
ALP=Alphabet Name	DIS=Sequential Disk Select	OCD=Output CD
SSW=SYSSWCH	REL=Relative Select	FDR=FD Data Rcd
DAT=Data Item Description	INX=Indexed Select	REN=Renames Desc
OCC=Occurs	CND=Condition-Name Desc.	SKE=Program Skel
DDC=Data Division Coding Form	A IDX=INDEXED BY	KEY=KEY IS
PDC=Procedure Division Coding	; Form	
Display Screen (
enter screen code to displa	y the desired screen	
default NRM indicates no so	reen display and return to normal	processing
DT Command:@	• •	F

Choosing your screen

This screen lists all the available creation mode screens and their display codes. To display one of these screens, overwrite NRM in the display screen field with the corresponding code. Otherwise, COBEDT takes default value NRM and, upon transmission, displays a standard COBOL coding form screen.

COBOL Program Skeleton Screens

The COBOL program skeleton describes the divisions and sections that make up a COBOL program. The skeleton is divided into two screens. The first screen includes those portions of a program from the control division to the environment divison (screen 5–3), whereas the second one includes the remainder of the program from the data division to the procedure division (screen 5–4).



The next screen displayed is a standard COBOL coding form screen.

5.3. SAMPLE CREATION SESSION

This sample session shows how to create a COBOL source program in the standard COBOL program order via the selective creation mode. The example starts with choosing the creation mode on the option select screen. We then code the source statements with the standard COBOL coding form screens and several other creation screens. The example ends with writing the program to a permanent SAT file. The program created in this example is identical to the one in Section 4.

SCREEN OPTIO	N SELECT
OS/3 EDT/COBOL ***********************************	COBOL EDITOR(V8.0/1)
Continuation Code ()) NRM = Normal Continua	tion CMD = Enter EDT Command Mode
EDT Command:@ *********	******
	To use the standard COBOL coding screens, we select 2 for the creation mode and NRM for normal continuation on the option select screen. Upon transmission, a standard COBOL coding form screen is displayed with current work-space line number 1.

SCREEN	NDARD COBOL CODING FORM		
2			
	COROL EDITOR(V8 0/1)-Selective Creation Mode		
***************************************	CODU EDITOR(40.0/1)-Selective treation mode		
	Standard COBOL Coding Form Line 🚛		
CÍA B			
PROGRAM-ID. PROG1.	ICN .		
AUTHOR. J.JONES.			
INSTALLATION. UNIVAC			
CONFIGURATION SECTIO	N		
SOURCE-COMPUTER, UNI	VAC-053.		
INPUT-OUTPUT SECTION	· · · · · · · · · · · · · · · · · · ·		
FILE-CONTROL.			
Continuation Code (IN) [Next Screen is the Standard COBOL Coding Form]		
NRM = Normal Continu CMD = Enter EDT Com	Jation TMP = Display Creation Screen List		
RET = Return to Orde	and Hode sss - Display Creation Scheen sss ared Mode vvvvvvv = Display Verb Skeleton vvvvvvv		
EDT Command:@			
********	***************************************		
I			
	On this screen, we key in our COBOL source		
	statements. Because we need assistance in		
	coding the next part of the program, the		
	INDEXED SELECT clause, we key in creation		
	screen request code INX in the continuation code		
	field to display the indexed select screen. Upon		
	transmission, the source lines are created and		
SOURCE	placed in the work-space file, and then the		
LINES	requested screen is displayed.		
\sim			
\sim			
1.0000 IDE	TIFICATION DIVISION.		
2.0000 PRO	GRAM-ID. PROG1.		
3.0000 AUTH	AUTHOR. J.JONES.		
4.0000 INST	INSTALLATION. UNIVAC.		
5.0000 ENV	RONMENT DIVISION.		
6.0000 CON	CONFIGURATION SECTION.		
7.0000 SOUF	SOURCE-COMPUTER. UNIVAC-OS3.		
8.0000 OBJE	CT-COMPUTER. UNIVAC-OS3.		
9.0000 INPL	INPUT-OUTPUT SECTION.		
10.0000 FILE	- CONTROL .		

	SCREEN	SCREEN INDEXED SELECT			
Ø	3				
	OS/3 EDT/COBOL	COBOL EDITOR(V8	.0/1)-Ordered Creation Mode		
F	A B SELECT TRANFIL ASSIGN (RESERV ORGANIZ (ACCESS RECORD ((FILE) Continuation CC NRM = Normal CMD = Enter E fff = Next Fi EDT Command:@	Indexed Select (TO) DISC-TRANFIL <lfdname>-V<f,v> /E <1,2> AREA(S)] ATION (IS) INDEXED S (MODE IS) SEQUENTIAL (KEY IS) TRAN-KEY O STATUS (IS) Dede (MMC) [Next Screen is Data Divisin Continuation SEL = Enter EDT Command Mode FST = Displa ile Select Code ALK = Altern</f,v></lfdname>	DM,DYNAMIC>] <data-name> <data-name>]. on-FD] Selective Creation Mode y file Select Type Codes ate Record Keys Required</data-name></data-name>		
	SOURCE LINES CREATED	Here, we fill in our continuation code NF standard COBOL codin with current work-space source lines are cre work-space file.	data and select default RM. Upon transmission, a og form screen is displayed, ce line number 16, after the eated and placed in the		
	\checkmark				
1	1.0000	SELECT TRANFIL			
1	2.0000 3 0000	ASSIGN TO DISC-T	KANFIL-V INDEYED		
1	5.0000 4.0000	ACCESS MODE IS S	FOUFNTTAL		
1	5.0000	RECORD KEY IS TR	AN-KEY.		

On the following four standard COBOL coding form screens, we enter our source statements and select default continuation code NRM. Upon transmission, COBEDT creates the source lines as shown after each screen.





5-10







5-12

After COBEDT has placed these source lines in the work-space file, it displays another standard COBOL coding form screen with current work-space line number 46.







ſ		At this point, the creation of the program is complete. We key in the @PRINT command to see what our entire program looks like in the work-space file before terminating COBEDT.		
	57.ØØØØ⊳ <mark>(a PR I</mark>	NT		
	1.0000	IDENTIFICATION DIVISION.		
	2.0000	PROGRAM-ID. PROG1.		
	3.0000	AUTHOR. J.JONES.		
	4.0000	INSTALLATION. UNIVAC.		
SCREEN	5.0000	ENVIRONMENT DIVISION.		
	6.0000	CONFIGURATION SECTION.		
	7.0000	SOURCE-COMPUTER. UNIVAC-OS3.		
	8.0000	OBJECT-COMPUTER. UNIVAC-OS3.		
	9.0000	INPUT-OUTPUT SECTION.		
	10.0000	FILE-CONTROL.		
	11.0000	SELECT TRANFIL		
SCREEN	12.0000	ASSIGN TO DISC-TRANFIL-V		
3	15.0000	ORGANIZATION IS INDEXED		
	14.0000	ACCESS MODE IS SEQUENTIAL		
	∑ 13.0000 16 0000	DATA DIVISION		
SCREEN	17 0000	ELLE SECTION		
	18 0000	ED TRANETI		
	19.0000	LABEL RECORDS ARE STANDARD.		
	20.0000	Ø1 TRAN-OUT.		
	21.0000	Ø3 TRAN-KEY.		
	22.0000	Ø5 TRAN-PUB PIC XX.		
	23.0000	Ø5 TRAN-REPORT PIC 99.		
SCREEN	24.0000	Ø5 TRAN-SORT PIC X(23).		
	25.0000	Ø5 TRAN-SEQUENCE PIC 9(4).		
	26.0000	Ø3 TRAN-VARIABLE PIC X		
	27.0000	OCCURS 1 TO 100 TIMES		
	28.0000	DEPENDING ON SYS-REC-SIZE.		
	29.0000	WORKING-STORAGE SECTION.		
	30.0000	Ø1 DUMMY-OUT.		
	31.0000	Ø3 DUMMY-KEY.		
SCREEN	32.0000	Ø5 DUMMY-PUB PIC XX.		
6	33.0000	Ø5 DUMMY-REPORT PIC 99.		
	34.0000	Ø5 DUMMY-SORT PIC X(23).		
	35.0000	Ø5 DUMMY-SEQUENCE PIC 9(4).		
	36.0000	Ø3 DUMMY-VARIABLE PIC X(100).		
	. 57.0000	// SYS-REC-SIZE PIC 9(4) VALUE Ø.		

ŧ


6. Editing COBOL Source Programs

You may either edit a COBOL source program while creating it or edit an existing COBOL program. The commands of general editor EDT play important roles in the program editing process. Therefore, you should understand the function of these commands and familiarize yourself with their use to successfully modify your programs. For your reference, Appendix B summarizes the EDT commands. If you need a detailed explanation of these commands, see the general editor (EDT) user guide/programmer reference, UP-8828 (current version).

To edit an existing COBOL source program, you may use either COBEDT or general editor EDT. Since EDT does not perform syntax checking or provide assistance through program creation screens as COBEDT, it is usually used for making minor changes. In both cases, however, you must first read a copy of the program into the work-space file by entering the EDT @READ command immediately after calling the editor. Thereafter, the methods of editing an existing program under COBEDT are essentially identical to editing a program during its creation.

During the creation of your COBOL program in the ordered or selective mode, to edit your source lines already entered, you may:

- key in the appropriate EDT commands directly in the EDT command field of the current screen; or
- specify the CMD continuation code on that screen to enter the EDT command mode and then key in EDT commands there.

You may also request the display of creation screens to assist in editing your program.

Know your EDT commands

Editing an existing program

@READ command

Editing a program during creation

6.1. SAMPLE SESSION FOR EDITING A PROGRAM DURING ITS CREATION

Purpose of this session

This example shows how to edit your COBOL program while you're still in the process of creating it in the ordered creation mode of COBEDT. The program used here is based on the one created in Section 4.

Let's begin this example from the identification division screen.

OS/3 EDT/COBOL	COBDL EDITOR(V8	.0/1)-Ordered Creation Mode
*************	Identification Division	Line 🧰
A B IDENTIFICATION PROGRAM-ID. PRO [AUTHOR. J.JONE [INSTALLATION.] [DATE-WRITTEN. [DATE-COMPILED.] [SECURITY.	DIVISION. <enter b<br="" if="" line="" not="" to="" x="">G1 S UNIVAC</enter>	e created in Select Mode> -] -] -] -] -] -]
Continuation Co NRM = Normal CMD = Enter E EDT Command:@PR	ude (####) [Next Screen is Environment Continuation SEL = Enter Selection DT Command Mode CON = Display Contro INT	Division] ve Creation Mode ol Division Screen
SOURCE	Here, we enter three s identification division command, which requ work-space file. We th and the source lines are	source statements for the and then the @PRINT ests the display of the hen press the XMIT key displayed.



After we press the XMIT key again to continue COBEDT processing, the environment division screen appears, with current work-space line number 5. At this point, however, we decide to add more source statements to the identification division. Therefore, we enter X in the ENVIRONMENT DIVISION line and overwrite continuation code NRM with SEL.

When this environment division screen is transmitted, COBEDT enters the selective creation mode and displays a standard COBOL coding form screen with current work-space line number 5.

73 EDT/COBOL	********	COBOL ED	ITOR(V8.0/1)	-Selective	Creati	on Mode
la b	Sta	indard COBOL	Coding Form		Line	4.1
DATE-WRITTEN. DATE-COMPILED.	DECEMBER 6, 1 DECEMBER 6, 1	981. 981.				
ontinuation Code	(RET) [Next	Screen is th	e Standard C	BOL Coding	Form]	
CMD = Enter EDT RET = Return to	Command Mode	SSS = Disp vvvvvvvv =	lay Creation lay Creation Display Verl	Screen Lis Screen sss Skeleton	t vvvvvv	vv
T Command:@						

On this screen, we enter two additional identification division source lines, overwrite line number 5 with 4.1 to avoid these two lines being overwritten, and overwrite continuation code NRM with RET. After we transmit this screen, COBEDT returns to the ordered creation mode and redisplays the environment division screen. The current work-space line number displayed on the screen is still 5 as we exited, since in ordered creation mode processing the line numbers displayed on the ordered mode screens can't be changed.

	SCREEN 4				
OS/	3 EDT/COBOL		COBOL EDITOR	(V8.0/1)-Ordered	Creation Mode
***	*********	*****	*****	******	*****
		Env	ironment Division		Line 💁
A	В.,				
EN	VIRONMENT DI	VISION. <enter th="" x<=""><th>if Division is n</th><th>ot to be created</th><th>b S</th></enter>	if Division is n	ot to be created	b S
co	NFIGURATION	SECTION.			
S0	URCE - COMPUTE	R. UNIVAC-OS3			
	[(WITH) DE	BUGGING MODE]. <	Enter X if Line i	s to be created>	•
OB	JECT - COMPUTE	R. UNIVAC-OS3			2
	[(PROGRAM	COLLATING) SEQUENC	E (IS)	<alphabet-r< th=""><th>name>]</th></alphabet-r<>	name>]
	(SEGMENT-L	IMIT IS <segment< th=""><th>-number>].</th><th></th><th></th></segment<>	-number>].		
Co	ntinuation (ode (MAR) [Next S	creen is File Con	trol]	
	NRM = Normal	Continuation	SEL = Ente	er Selective Cre	ation Mode
	CMD = Enter	EDT Command Mode	SN1 = Disp	olay Special-Nam	les 1 Screen
	SCH = Displa	y SYSCHAN Screen	SN2 = Disp	olay Special-Nam	nes 2 Screen
	ALP = Displa	y Alphabet Name Sc	reen SSW = Disp	play SYSSWCH Scr	reen
	CLN = Displa	y Class Name Scree	n		
EDT	Command:@P	RINT			
***	********	******	*****	************	******
Г		7			
	SUILBUE				
	JUUNCE	Horo	we simply ent	or the @PRIN	T command in
	LINES				
	CREATED	the EL	JI command fie	eld and then p	oress the XMII
	UP ΤΟ	key.	The source line	es are then	displayed. We
	THICTIME	proce	the XMIT key	again to co	ntinuo croatina
		press	the Amiri Key	ayam to co	nunue creating
	FROM	ourso	ource program.		
	SCREEN 1				
~		7 —			
	\smallsetminus				
	\mathbf{v}				
-					
ſ					1
1.0	000 ID	ENTIFICATION DIVIS	ION.		
2.00	000 PR	OGRAM-ID. PROG1.			
3.00	000 AU	THOR. J.JONES.			
4.00	000 IN	STALLATION. UNIVAC			
4.1(900 DA	TE-WRITTEN. DECE	MBER 6, 1981.		
4.20	ወወወ DA	IE-COMPILED. DECE	HER 6, 1981.		
5.00	999 EN	VIRUNMENT DIVISION	•		
7 4	999 UU 1444 CO	NFIGURATION SECTION	N. VAC 053		
1.0	9999 SU 6666 ST	JECT. COMPUTER. UNI	VAC-083		
0.0	UB	JECT-COMPUTER. UNI	TAU-03J.		

Assume we've reached the end of the program and entered the last paragraph for it. SCREEN 5 OS/3 EDT/COBOL COBOL EDITOR(V8.0/1)-Ordered Creation Mode ************ Procedure Division Coding Form Line 🚮 CÍA в END-IT CLOSE TRANFIL. STOP RUN. Continuation Code (CMD: [Next Screen is Procedure Division Coding Form] NRM = Normal Continuation SEL = Enter Selective Creation Mode CMD = ENTER EDT COMMAND MODE vvvvvvv = Display vvvvvvv Verb Skeleton EDT Command:@ ***** We overwrite continuation code NRM with CMD EDT to enter the EDT command mode. After the COMMAND screen is processed, the next work-space line MODE number (56.0000) by itself is displayed, ready to ENTERED accept the EDT commands.

56.00000 a PRINT 38:52 38.0000 PROCEDURE DIVISION. 39.0000 PRIMARY-PARAGRAPH. 40.0000 OPEN OUTPUT TRANFIL. 41.0000 MOVE "AA" TO DUMMY-PUB. 42.0000 MOVE 99 TO DUMMY-REPORT. 43.0000 MOVE ALL "B" TO DUMMY-SORT. 44.0000 MOVE 1 TO DUMMY-SEQUENCE. 45.0000 MOVE ALL "C" TO DUMMY-VARIABLE. 46.0000 LOOP-HERE. 47.0000 MOVE DUMMY-OUT TO TRAN-OUT. 48.0000 WRITE TRAN-OUT INVALID KEY 49.0000 ADD 1 TO DUMMY-SEQUENCE 50.0000

```
WRITE TRAN-OUT INVALID KEY
ADD 1 TO DUMMY-SEQUENCE
DISPLAY "INVALID KEY" TRAN-KEY GO TO END-IT.
IF SYS-REC-SIZE < 100
GO TO LOOP-HERE.
```

52.0000 56.0000⊳<mark>@Format</mark>

51.0000

To examine the source lines 38 through 52, we enter the @PRINT command. After these lines are displayed and checked, we enter the @FORMAT command to return to COBEDT at a procedure division coding form screen with line number 56. We will make further changes to the program via this screen.



45.0000	MOVE ALL "C" TO DUMMY-VARIABLE.
46.0000	LOOP-HERE.
46.1000	ADD 1 TO SYS-REC-SIZE.
47.0000	MOVE DUMMY-OUT TO TRAN-OUT.
48.0000	WRITE TRAN-OUT INVALID KEY
50.0000	DISPLAY "INVALID KEY" TRAN-KEY GO TO END-IT.
51.0000	IF SYS-REC-SIZE < 100
51.1000	ADD 1 TO DUMMY-SEQUENCE
52.0000	GO TO LOOP-HERE.
53.0000	END-IT.
54.0000	CLOSE TRANFIL.
55.0000	STOP RUN.
46.2000⊳@.	RITE MO=PROG1,FIL=TESTFIL,VSN=A00011,SAT=YES,SIZE=1
46.200000	OBOL END
	Line of first sector the ODINT second to
	Here, we first enter the @PRINT command to
	the source lines from 45 through 55 Since w

Here, we first enter the @PRINT command to see the source lines from 45 through 55. Since we've completed creating our program and made the desired changes, we then enter the @WRITE command to write our program to a permanent SAT file and the @COBOL END command to terminate the current COBEDT session.

6.2. SAMPLE SESSION FOR EDITING A PROGRAM VIA THE ORDERED CREATION MODE OF COBEDT

Purpose of this session This example shows how to edit an existing COBOL source program via the ordered creation mode of COBEDT.

Let's start with a program named PROG2 that contains only the procedure division source lines. We want to add to the program the source lines for other divisions in the COBOL program order to make it a complete program.

After you call both EDT and COBEDT, the option select screen is displayed.

SCREEN 1 OS/3 EDT/COBOL ***********************************	COBOL EDITOR(V8.0/1) Mode : DBOL Program Order sted Portions of the COBOL Program
Continuation Co NRM=Normal Co EDT Command:@ ***************	de (CMD) ntinuation CMD=Enter EDT Command Mode
EDT COMMAND MODE ENTERED	For this sample session, we enter 1 in the select creation mode field and CMD in the continuation code field. The next screen displayed contains only the current work-space line number. Since this is a new COBEDT session, the line number is 1.0000.
1.0000⊳⇔READ M 101.0000⊳⇔MOVE 101.0000⊳⇔1 1.0000⊳⇔FORMAT	D=PROG2,FIL=TEST2,VSN=A00022,SAT=YES 1:100 TO 1000
@READ command	Here, we enter the @READ command to transfer a copy of our program (PROG2) from the permanent SAT file (TEST2) into the work-space file. The next work-space line number displayed is 101.0000, since there are 100 lines in PROG2. To ensure that these lines aren't overwritten by
@MOVE command @ command	future entries, we use the @MOVE command to move them to a new line location, leaving enough space for the new lines. We then enter the @ command to set the current work-space line number back to 1.
@FORMAT command	Entering the @FORMAT command returns us to COBEDT and the identification division screen with work-space line number 1. From here on, we create the remaining sections of our program in the usual manner.

Assume we've completed editing our program and 400 additional source lines have been created and placed in the work-space file. A data division coding form screen is displayed, with next work-space line number 401.

SCREEN 2 OS/3 EDT/COBOL COBOL EDITOR(V8.0/1)-Ordered Creation Mode ******* ************************* Data Division Coding Form Line 401. Level# Data Description Continuation Code (CMD) [Next Screen is Data Division Coding Form] NRM = Normal Continuation SEL = Enter Selective Creation Mode CMD = Enter EDT Command Mode PDC = Display Procedure Division Coding Form ICD = Display Input CD Screen DAT = Display Data Item Description Screen OCD = Display Output CD Screen CND = Display Condition Name Screen REN = Display RENAMES Screen EDT Command:@ ********* We overwrite continuation code NRM with CMD to get into the EDT command mode. Upon EDT transmission, the current work-space line number COMMAND - 44 MODE (401.0000) by itself is displayed, ready to accept ENTERED the EDT commands. 401.00000 COBOL END 401.00000 WRITE MO=PROG2, FIL=TEST2, VSN=A00022, SAT=YES EDØ31 OVERWRITE? (YES or NO)⊳ Y 401.0000D HALT We enter the @COBOL END command to terminate the COBEDT session. Then we enter the @WRITE command to write our edited program (PROG2) to the permanent SAT file (TEST2). Because a copy of our program already existed on the file, we're asked if we want to overwrite the previous version. We respond yes (key in Y). Finally, we terminate the EDT session by entering @HALT.

@COBOL END command

@WRITE command

EDT message

@HALT command

6.3. SAMPLE SESSION FOR EDITING A PROGRAM VIA THE SELECTIVE CREATION MODE OF COBEDT

Purpose of this session

This example shows how to edit an existing COBOL source program via the selective creation mode of COBEDT.

Assume we have a program named PROG3 containing many syntax errors. We decide to activate COBEDT to assist in correcting these errors. We choose to operate in the selective creation mode because we only wish to use the creation screens selectively.

Let's begin this example from the option select screen.

SCREEN 1	
OS/3 EDT/COBOL	
*****	***************************************
Select Creation Mode : 🖓)
1=Create in COBOL Progr	am Order
2=Create Selected Porti	ons of the COBOL Program
Continuation Code (****) NRM=Normal Continuation EDT Command:@READ MO=PROG *****	CMD=Enter EDT Command Mode 3,FlL=TEST3,VSN=A00033,SAT=YES
	We select the default options and enter the @READ command to transfer a copy of our program (PROG3) into the work-space file. Upon transmission, a standard COBOL coding form screen is displayed, with current work-space line number 101. (Assume PROG3 contains 100 source lines.)

SCREEN		
OS/3 EDT/COBOL **************************	COBOL EDITOR(V8.0/1)-Sele	ctive Creation Mode
	Standard COBOL Coding Form	Line 101.
CIA B		
Ì		
l l		
l		
Continuation Code ((Next Screen is the Standard COBOL THE Display Constitute Screen Scre	Coding Form]
CMD = Enter EDT Co	mmand Mode sss = Display Creation Scre	en sss
RET = Return to Or	dered Mode vvvvvvv = Display Verb Ske	leton vvvvvvv
ED1 Command:@PRIN1 /(# ***	*****
<u> </u>		
SOURCE	we enter the @PRINT com	mand in the EDT
TO AND 71	and 71, which contain a syn	itax error and then
DISPLAYED	transmit.	
\checkmark		
70.0000 INS	PECT NAME TALLYING FOR ALL CHARACTERS	
71.0000	AFTER INITAL 'C'.	
	Although we realize that t	ha andina fan ska
	INSPECT verb is wrong we a	re not certain about
	its correct format. There	fore, we request
	COBEDT to display the INSP	PECT verb skeleton
	for us. Another standard C	OBOL coding form
	screen is displayed, with the	current work-space
	line number (101), after we pr	ess the XMIT key.



6-13

SCREEN

```
4
                                          OS/3 EDT/COBOL
                            COBOL EDITOR(V8.0/1)-Selective Creation Mode
**************
                        INSPECT Statement (1 of 3)
INSPECT identifier-1 TALLYING {identifier-2 FOR
   {{{ALL,LEADING {identifier-3,literal-1}},CHARACTERS},
                                                                  {{BEFORE,AFTER} (INITIAL) {identifier-4,literal-2}]}...}...
   *************
                   Procedure Division Coding Form
                                                   Line 70.
CIA
    B
 I
    INSPECT NAME TALLYING COUNTR FOR CHARACTERS
 1
Continuation Code (NRM) [Next Screen is Procedure Division Coding Form]
  NRM = Normal Continuation SEL = Enter Selective Creation Mode
  CMD = Enter EDT Command Mode vvvvvvv = Display vvvvvvv Verb Skeleton
EDT Command:@PRINT 1:4
                                                                  ľ
    *******
                     On this screen, we change line number 101 to
 SOURCE
                     70 and enter a correct source line to overwrite
  LINES
                     the old one. We also enter the @PRINT command
    1
                     in the EDT command field to see the first four
 THROUGH
                     lines of our program. After we press the XMIT
    Δ
                     key, the source lines are displayed.
DISPLAYED
1.0000
          IDENTIFICATION DIVISION.
2.0000
          PROGRAM-ID. PROG3.
3.0000
          ENVIRONMENT DIVISION.
4.0000
          SPECIAL - NAMES.
                      We notice that the basic portion of the
                      environment division is missing and the necessary
                      source lines must be added. After we press the
                      XMIT key again to continue COBEDT normal
                     processing, a standard COBOL coding form
                      screen appears, with current work-space line
                      number 71.
```

		SUNEEN								
		5	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)							
05	s/3	EDT/COBOL			COBOL	EDITOR	/8.0/1)-	Selective	e Creation	Mode
*1	***1	*********	*********	******	******	*******	******	*******	********	****
				Stan	dard COB	OL Coding) Form		Line 3	. 1
C	CIA	В								
	1									
	1									
	1									
	i									
	I.									
	1									
	1									
	1									
	,									
(Con	tinuation (PM - Normal	Continuati	[Next S	THD - D	the Star	ndard CO	BOL Codir Sensor Li	ng Form]	
	C	MD = Enter	EDT Command	Mode	sss = D	isplay C	eation :	Screen s	55	
	RI	ET = Return	to Ordered	Mode	~~~~~	v = Disp	ay Verb	Skeletor		
EI	DTO	Command:@					-			
**	***	******	********	******	******	******	******	*******	********	****
			_							
			Г							
			ſ	Here,	we ch	ange lin	e numł	per 71	to 3.1 to	o inse
			ſ	Here, new	we cha	ange lin e lines	e numł after	per 71 the	to 3.1 to ENVIRON	inse NMEN
				Here, new DIVIS	we ch source	ange lin e lines ne and	e numł after to a	ber 71 the	to 3.1 to ENVIRON	o inse NMEN
				Here, new DIVIS	we cha source ION lin	ange lin e lines ne and	e numł after to a	ber 71 the void c	to 3.1 to ENVIRON	o inser NMEN g an
				Here, new DIVIS existin	we cha source ION lin	ange lin e lines ne and s. We	e numł after to a then e	ber 71 the void conter co	to 3.1 to ENVIRON overwritin ode ENV	o inse NMEN g an in th
				Here, new DIVIS existin contir	we cha source ION lin ng lines nuation	ange lin e lines ne and s. We code fie	e numł after to a then e eld to c	ber 71 the void c nter co lisplay	to 3.1 to ENVIRON overwritin ode ENV the enviro	o inse NMEN g an in th onmer
			20.0.0	Here, new DIVIS existin contir divisio	we cha source ION lin ng lines nuation on scre	ange lin e lines ne and s. We code fi een to	e numł after to a then e eld to c assist	ber 71 the void c nter co lisplay in our	to 3.1 to ENVIROP overwritin ode ENV the enviro coding.	o inse NMEN g an in th onmer Upo

with work-space line number 3.1.

```
SCREEN
               6
OS/3 EDT/COBOL
                                   COBOL EDITOR(V8.0/1)-Ordered Creation Mode
                                                                              ******
                                           *******
                            Environment Division
                                                             Line 3.1
    В
 Α
 ENVIRONMENT DIVISION.
                       <Enter X if Division is not to be created>
 CONFIGURATION SECTION.
 SOURCE-COMPUTER. UNIVAC-0S3
    [(WITH) DEBUGGING MODE]. <Enter X if Line is to be created>
 OBJECT-COMPUTER. UNIVAC-OS3
    [(PROGRAM COLLATING) SEQUENCE (IS)
                                                   <alphabet-name>]
    [SEGMENT-LIMIT IS <segment-number>].
 Continuation Code (MRM) [Next Screen is File Control]

        NRM = Normal Continuation
        SEL = Enter Selective Creation Mode

        CMD = Enter EDT Command Mode
        SN1 = Display Special-Names 1 Screen

        SCH = Display SYSCHAN Screen
        SN2 = Display Special-Names 2 Screen

  ALP = Display Alphabet Name Screen SSW = Display SYSSWCH Screen
  CLN = Display Class Name Screen
EDT Command:@
   We simply press the TAB BACK key to move the
                          cursor to the bottom of the screen and transmit.
                          The four source lines not enclosed in brackets
                          are created by default. Then, a standard COBOL
```

coding form screen is displayed, with current

work-space line number 3.5.

OS/3 EDT/C	:0BOL *************	COBOL EDITOR(V8.Ø/1)-Sele	ective Creation Mode
		Standard COBOL Coding Form	Line 🚛
CÍA B			
1			
i			
1			
1			
i			
I.			
Continuat	ion Code (CM	D [Next Screen is the Standard COBOL	Coding Form]
NRM = N	lormal Continu	uation TMP = Display Creation Scr	een List
UMU = E RFT = R	eturn to Orde	mand Mode – sss = Display Creation Scr ered Mode – vvvvvvvv – Display Verb Sk	een sss eletop www.www.
EDT Common			
********	**********	******	*****
			· • • • • • • • • • • • • • • • • • • •
EDT	· ·]	On this screen, we only er	nter code CMD in
	ND	continuation code field. Up	oon transmission,
MODE		current work-space line nur	nber (3.5000) hv it
MODE		current work-space line num	nber (3.5000) by it
		current work-space line num is displayed.	nber (3.5000) by it:
MODE ENTERE 3.5000 are 1.0000 2.0000 3.0000 3.0000 3.1000 3.2000 3.2000 3.3000 3.4000 4.0000 3.5000 are 3.5000 are	PRINT 1:4 IDENTIFIC/ PROGRAM-II ENVIRONMEN CONFIGURAT SOURCE-CON OBJECT-CON SPECIAL-N/ DELETE 3.1 ORMAT	ATION DIVISION. D. PROG3. NT DIVISON. NT DIVISON. NT DIVISON. TION SECTION. MPUTER. UNIVAC-OS3. MPUTER. UNIVAC-OS3. AMES.	nber (3.5000) by it:

@PRINT command @DELETE command

@FORMAT command

Assume we have finished editing our program PROG3, which now contains 120 lines, and that we are in the EDT command mode and the next work-space line number (121.0000) by itself is displayed.



6.4. SAMPLE SESSION FOR EDITING A PROGRAM VIA EDT

If an existing COBOL program needs only minor modification, you may make the changes directly in the EDT environment as shown in this sample session. The program used here is based on the one created in Section 4.

Copies PROG1 to the		
work-space file	1.0000⊳ <mark>@</mark> RE	AD MO=PROG1,FIL=TESTFIL,VSN=A00011,SAT=YES
	— 56.0000⊳@PR	INT 38:52
Displays the	38.0000	PROCEDURE DIVISION.
source lines from	39.0000	PRIMARY-PARAGRAPH.
38 through 52	40.0000	OPEN OUTPUT TRANFIL.
	41.0000	MOVE "AA" TO DUMMY-PUB.
	42.0000	MOVE 99 TO DUMMY-REPORT.
	43.0000	MOVE ALL "B" TO DUMMY-SORT.
	44.0000	MOVE 1 TO DUMMY-SEQUENCE.
	45.0000	MOVE ALL "C" TO DUMMY-VARIABLE.
Sats the current	46.0000	LOOP-HERE.
work-space	47.0000	MOVE DUMMY-OUT TO TRAN-OUT.
line number to 46.1	48.0000	WRITE TRAN-OUT INVALID KEY
	49.0000	ADD 1 TO DUMMY-SEQUENCE
Entors a now line	50.0000	DISPLAY "INVALID KEY" TRAN-KEY GO TO END-IT.
Enters a new me	51.0000	IF SYS-REC-SIZE < 100
Moves line	52.0000	GO TO LOOP-HERE.
	— 56.0000⊳ <mark>@46</mark>	.1
	- 46.1000⊳	ADD 1 TO SYS-REC-SIZE.
Displays lines	46.2000⊳ <mark>@</mark> MO	VE 49 TO 51.1
45 through 52	— 46.2000⊳ <u>@</u> PR	INT 45:52
45 through 52	45.0000	MOVE ALL "C" TO DUMMY-VARIABLE.
Whitee the program	46.0000	LOOP-HERE.
to the normanent	46.1000	ADD 1 TO SYS-REC-SIZE.
	47.0000	MOVE DUMMY-OUT TO TRAN-OUT.
SAT THE TESTFIL	48.0000	WRITE TRAN-OUT INVALID KEY
A alea web ath an	50.0000	DISPLAY "INVALID KEY" TRAN-KEY GO TO END-IT.
Asks whether	51.0000	IF SYS-REC-SIZE < 100
we wish to overwrite	51.1000	ADD 1 TO DUMMY-SEQUENCE
the existing program	52.0000	GO TO LOOP-HERE.
We respond yes	— 46.2000⊳ <mark>a</mark> ₩R	ITE MO=PROG1, FIL=TESTFIL, VSN=A00011, SAT=YES
	-EDØ31 OVERWR	ITE? (YES OR NO) >Y
Ends the current	- 46.2000>(a HA	LT

NOTE:

This sample is done under EDT line mode. You may also use EDT screen mode and/or the EDT error file processor (EFP) to edit your program. For more information, see the general editor (EDT) user guide/programmer reference.



Appendix A. Procedure Division Verb Skeleton Screens

A.1. DISPLAYING THE VERB SKELETON SCREENS

TRANSFORM verb.

Purpose of verb screens

Request a verb screen

The procedure division verb skeleton screens provide you all the formats of the COBOL verbs (statements) supported by Sperry Univac. You can display any one of these screens by entering a proper verb display code in the continuation code field of a procedure division coding form screen, a standard COBOL coding form screen, or another verb skeleton screen.

If the verb skeleton to be displayed is the only or the first format of the verb, you can simply use the verb name as the verb

display code, such as CALL for the CALL verb. If the name is longer than eight characters, only the first eight characters are entered in the continuation code field, such as TRANSFOR for the



Use verb name as display code

Choosing from multiple formats of a verb

Use verb name or description for displaying format 1

Use verb description for displaying format 2 and above

Use other methods to identify formats If there is more than one format for a verb, you must specifically identify the one to be displayed. For the first format, enter the first eight characters of either the verb name or the verb description without space in the continuation code field. For example, the first format of the ADD verb is ADD TO; both ADD and ADDTO are legitimate display codes.

For displaying the formats of a verb other than the first one, you may enter the first eight characters of the verb description without space in the continuation code field. If the verb format cannot be uniquely identified by the first eight characters, such as SUBTRACT GIVING and SUBTRACT CORRESPONDING, you may enter either a special display code unique for the verb format (A.3) or the basic verb name appended with a number from 2 to n, where n is the highest format number of a verb. If the verb name has eight or more characters, only the first seven characters are used when appended with the format number. For example, the SUBTRACT GIVING format can be displayed by entering either the special code SUBTRCTG or SUBTRAC2.

A.2. CODING THE VERBS

If a shortened version of the procedure division coding form is displayed below the verb skeleton on the screen, for example, the ADD statement screen:

COBOL	COBOL EDITOR(V8 0/1)-Selective	
		Uneation Mode
ADD Sta	tement (1 of 3)	***********
dentifier-1,literal-1}) identifier-m [ROUNDED] (ON) SIZE ERROR imperat	[{identifier-2,literal-2}] [identifier-n [ROUNDED]] ive-statement]	
Procedure	Division Coding Form	Line nnnn.nnnn
ation Code (MER) [Next Sc Normal Continuation Enter EDT Command Mode	reen is Procedure Division Codir SEL = Enter Selective Creation M vvvvvvvv = Display vvvvvvv Verb	ng Form] Mode Skeleton
	ADD Sta dentifier-1,literal-1} identifier-m [ROUNDED] (ON) SIZE ERROR imperat Procedure Procedure Normal Continuation Enter EDT Command Mode	ADD Statement (1 of 3) dentifier-1,literal-1} [{identifier-2,literal-2}] identifier-m [ROUNDED] [identifier-n [ROUNDED]] (ON) SIZE ERROR imperative-statement] Procedure Division Coding Form Procedure Division Coding Form ation Code (IND) [Next Screen is Procedure Division Codir Normal Continuation SEL = Enter Selective Creation M Enter EDT Command Mode vvvvvvv = Display vvvvvvv Verb

you may code the verb and/or any other desired verbs here.

If there is no coding space available below the verb skeleton on the screen, for example, the UNSTRING statement screen:

OS/3 EDT/COBOL COBOL EDITOR(V8.0/1)-Selective Creation Mode ************************* UNSTRING Statement UNSTRING identifier-1 [DELIMITED (BY) [ALL] {identifier-2,literal-1} [OR [ALL] {identifier-3,literal-2}]...] INTO identifier-4 [,DELIMITER IN identifier-5] [,COUNT IN identifier-6] [identifier-7 [,DELIMITER IN identifier-8] [,COUNT IN identifier-9]]... [(WITH) POINTER identifier-10] [TALLYING IN identifier-11] [;ON OVERFLOW imperative-statement] Continuation Code (MRM) [Next Screen is Procedure Division Coding Form] NRM = Normal Continuation SEL = Enter Selective Creation Mode CMD = Enter EDT Command Mode vvvvvvv = Display vvvvvvv Verb Skeleton EDT Command:@

you should transmit the screen with NRM in the continuation code field to display a coding form screen. If you are in ordered creation mode processing, a full procedure division coding form screen appears. If you are in selective creation mode processing, a standard COBOL coding form screen appears.

A.3. VERB SKELETON SCREENS

All the procedure division verb skeleton screens have similar structures and provide identical choices of continuation codes:

~		
0S/3 EDT/	COBOL	COBOL EDITOR(V8.0/1)-Selective Creation Mod
*******	**********	
	(This area contai	ns either a verb skeleton or a verb
	skeleton with a s division coding f	shortened version of the procedure
•		5,
**********		Screen is Procedure Division Coding Form]
Continua1 NRM ≠ N	Iormal Continuation	SEL = Enter Selective Creation Mode
Continua: NRM ≠ N CMD = E	formal Continuation Inter EDT Command Mode	SEL = Enter Selective Creation Mode vvvvvvvv = Display vvvvvvv Verb Skeleton
Continuat NRM ≠ N CMD = E EDT Comman	Normal Continuation	SEL = Enter Selective Creation Mode vvvvvvv = Display vvvvvvv Verb Skeleton

To avoid redundancy in this appendix, we present only the verb skeleton portion of the screens.

The pointers for the verb skeletons are the actual verb display codes and can be used directly to display the screens.



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ADD3 or ADDCORRE	SCREEN ADD Statement
	ADD Statement (3 of 3) ADD {CORRESPONDING,CORR} identifier-1 TO identifier-2 [ROUNDED] [;(ON) SIZE ERROR imperative-statement]
	Changing the Sequence of Operations (ALTER Statement)
ALTER	SCREEN ALTER Statement
	ALTER Statement ALTER procedure-name-1 TO [PROCEED TO] procedure-name-2 [,procedure-name-3 TO [PROCEED TO] procedure-name-4]
CALL	Transferring Control from One Object Program to Another (CALL Statement) SCRIEEN CALL Statement
	CALL Statement CALL {identifier-1,literal-1} [USING {data-name-1,cd-name-1,identifier-2,file-name-1} [,{data-name-2,cd-name-2,identifier-3,file-name-2}]] [;(ON) OVERFLOW imperative-statement]
	Releasing the Main Storage Areas Occupied by the Named Program (CANCEL Statement)
CANCEL	SCREEN CANCEL Statement
	CANCEL Statement CANCEL {identifier-1,literal-1} [{,identifier-2,literal-2}]

Terminating the Processing of Files (CLOSE Statement)

CLOSE or CLOSESEQ for CLOSE SEQUENTIAL SCREEN CLOSE Statement

CLOSE Statement (1 of 2) CLOSE file-name-1 [{REEL,UNIT} [(WITH) NO REWIND (FOR) REMOVAL] [(WITH) {NO REWIND,LOCK}]] [file-name-2 [{REEL,UNIT} [(WITH) NO REWIND (FOR) REMOVAL] [(WITH) {NO REWIND,LOCK}]]]...

CLOSE2, CLOSEREL, or CLOSEIND for CLOSE RELATIVE or CLOSE INDEXED SCREEN CLOSE Statement

CLOSE Statement (2 of 2)

CLOSE file-name-1 [(WITH) LOCK] [file-name-2 [(WITH) LOCK]]...

Evaluating an Arithmetic Expression and Storing the Result (COMPUTE Statement)

COMPUTE

SCREEN COMPUTE Statement

COMPUTE Statement

COMPUTE identifier-1 [ROUNDED] [identifier-2 [ROUNDED]] ... = arithmetic-expression [(ON) SIZE ERROR imperative-statement]

Incorporating Text into a COBOL Source Program (COPY Statement)

COPY

SCREEN COPY Statement

COPY Statement

COPY text-name [{OF,IN} library-name]
 [REPLACING {==pseudo-text-1==,identifier-1,literal-1,word-1}
 BY {==pseudo-text-2==,identifier-2,literal-2,word-2}]...

Logically Removing a Record from a Mass Storage File (DELETE Statement)

DELETE

SCREEN DELETE Statement

DELETE Statement
DELETE file-name RECORD [INVALID (KEY) imperative-statement]

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Notifying MCS* to Inhibit the Transfer of Data (DISABLE Statement)

DISABLE

SCREEN DISABLE Statement

DISABLE Statement

DISABLE {INPUT [TERMINAL],OUTPUT} cd-name (WITH) KEY {identifier-1,literal-1}

Outputting Low-Volume Data on a System Logical Device (DISPLAY Statement)

DISPLAY

SCREEN DISPLAY Statement

DISPLAY Statement

DISPLAY {identifier-1,literal-1} [,{identifier-2,literal-2}] ...
[UPON mnemonic-name [USING {identifier-3,literal-3}]]

Dividing One Numeric Data Item into Another and Storing the Quotient and Remainder (DIVIDE Statement)

DIVIDE or DIVIDEIN

SCREEN DIVIDE Statement

DIVIDE Statement (1 of 5) DIVIDE {identifier-1,literal-1} INTO identifier-2 [ROUNDED] [,(identifier-3 [ROUNDED]] ... [;(ON) SIZE ERROR imperative-statement]

DIVIDE2 or DIVIDEIG

SCREEN DIVIDE Statement

DIVIDE Statement (2 of 5) DIVIDE (identifier-1, literal-1) INTO (identifier-2, literal-2) GIVING identifier-3 [ROUNDED] [identifier-4 [ROUNDED]] ... [;(ON) SIZE ERROR imperative-statement]

DIVIDE3 or DIVIDEBG

SCREEN DIVIDE Statement

DIVIDE Statement (3 of 5) DIVIDE {identifier-1,literal-1} BY {identifier-2,literal-2} ...GIVING identifier-3 [ROUNDED] [identifier-4 [ROUNDED]] ... [;(ON) SIZE ERROR imperative-statement]

*MCS stands for message control system.

DIVIDEA or DIVIDIGE	
	DIVIDE Statement (4 of 5) DIVIDE {identifier-1,literal-1} INTO {identifier-2,literal-2} GIVING identifier-3 [ROUNDED] REMAINDER identifier-4 [;(ON) SIZE ERROR imperative-statement]
DIVIDE5 or DIVIDBGR	SCREEN DIVIDE Statement
	DIVIDE Statement (5 of 5) DIVIDE {identifier-1,literal-1} BY {identifier-2,literal-2} GIVING identifier-3 [ROUNDED] REMAINDER identifier-4 [;(ON) SIZE ERROR imperative-statement]
	Notifying MCS* to Allow the Transfer of Data (ENABLE Statement)
ENABLE	SCREEN ENABLE Statement
	ENABLE Statement ENABLE {INPUT [TERMINAL],OUTPUT} cd-name (WITH) KEY {identifier-1,literal-1}
	Displaying the Current Values of Data Items (EXHIBIT Statement)
EXHIBIT	SCREEN EXHIBIT Statement
	EXHIBIT Statement EXHIBIT {NAMED,CHANGED NAMED,CHANGED} {identifier,nonnumeric-literal}
	Providing a Common End Point or a Logical End (EXIT Statement)
EXIT	SCREEN EXIT Statement
	EXIT Statement EXIT [PROGRAM]

*MCS stands for message control system.

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	Transferring Control out of Normal Sequence (GO TO Statement)
or GOTO	SCREEN GO TO Statement
	GO TO Statement (1 of 3)
	GO (TO) {procedure-name-1,.}
GO2 or GOTODEPE	SCREEN GO TO Statement
	GO TO Statement (2 of 3)
	GO (TO) procedure-name-1 [,procedure-name-2] procedure-name-n DEPENDING (ON) identifier
GO3 or GOTOMORE	SCREEN GO TO Statement
	GO TO Statement (3 of 3) GO (TO) MORE-LABELS
	Evaluating a Condition (IF Statement)
	SCREEN IF Statement
	IF Statement IF condition [{THEN,;}] {statement-1,NEXT SENTENCE} {;ELSE statement-2,ELSE NEXT SENTENCE}
	Tallying and/or Replacing Characters in a Data Item (INSPECT Statement)
INSPECT or INSPECTT	SCREEN INSPECT Statement
	INSPECT Statement (1 of 3)
	INSPECT Identifier-1 TALLYING {Identifier-2 FOR {{ALL,LEADING {identifier-3,literal-1}},CHARACTERS}, [{BEFORE,AFTER} (INITIAL) {identifier-4,literal-2}]}}
SPECT2 or INSPECTR	SOREEN INSPECT Statement
	INSPECT Statement (2 of 3)
	INSPECT identifier-1 REPLACING {CHARACTERS BY {identifier-6,literal-4} {{BEFORE,AFTER} (INITIAL) {identifier-7,literal-5}]
	{{All FADING FIRST} {{identifier.5 iteral.32 BY
	{identifier-6,literal-4},

	INSPECT Statement (3 of 3)
	INSPECT identifier-1 TALLYING (see Format 1 for TALLYING description) REPLACING (see Format 2 for REPLACING description)
	Combining Sorted Files and Outputting Records in Merged Order (MERGE Statement)
IERGE	SCREEN MERGE Statement
	MERGE Statement
	<pre>MERGE file-name-1 ON {ASCENDING,DESCENDING} (KEY) data-name-1 [,data-name-2] ON {ASCENDING,DESCENDING} (KEY) data-name-3 [,data-name-4] [(COLLATING) SEQUENCE (IS) alphabet-name] USING file-name-2, file-name-3 [,file-name-4] {OUTPUT PROCEDURE (IS) section-name-1 [THRU section-name-2], GIVING file-name-5}</pre>
	Transferring Data to One or More Data Areas (MOVE Statement)
IOVE	Transferring Data to One or More Data Areas (MOVE Statement) SCREEN MOVE Statement
NOVE	Transferring Data to One or More Data Areas (MOVE Statement) SCREEN MOVE Statement MOVE Statement (1 of 2)
NOVE	Transferring Data to One or More Data Areas (MOVE Statement) SCREEN MOVE Statement MOVE Statement (1 of 2) MOVE {identifier-1,literal} TO {identifier-2 [,identifier-3]
10VE 10VE2 or MOVECORR	SCREEN MOVE Statement MOVE Statement (1 of 2) MOVE {identifier-1,literal} TO {identifier-2 [,identifier-3] SCREEN MOVE Statement
NOVE NOVE2 or MOVECORR	SCREEN MOVE Statement MOVE Statement MOVE Statement (1 of 2) MOVE {identifier-1,literal} TO {identifier-2 [,identifier-3] SCREEN MOVE Statement
NOVE 10VE2 or MOVECORR	Transferring Data to One or More Data Areas (MOVE Statement) SCREEN MOVE Statement MOVE Statement (1 of 2) MOVE {identifier-1,literal} TO {identifier-2 [,identifier-3] SCREEN MOVE Statement MOVE (CORRESPONDING, CORR) identifier-1 TO identifier-2

Multiplying Numeric Data Items and Storing the Result (MULTIPLY Statement)

MULTIPLY	SGREEN MULTIPLY Statement
	MULTIPLY Statement (1 of 2) MULTIPLY {identifier-1,literal-1} BY identifier-2 [ROUNDED] [,identifier-3 [ROUNDED]] [(ON) SIZE ERROR imperative-statement]
MULTIPL2 or MLTPLYBG	SCREEN MULTIPLY Statement
	MULTIPLY Statement (2 of 2) MULTIPLY {identifier-1,literal-1} BY {identifier-2,literal-2} GIVING identifier-3 [ROUNDED] [,identifier-4 [ROUNDED]] [(ON) SIZE ERROR imperative-statement]
	Specifying the Condition for Executing the Statements (ON Statement)
ON	SCREEN ON Statement
	ON Statement ON integer-1 [AND (EVERY) integer-2] [UNTIL integer-3] {statement-1,NEXT SENTENCE} ELSE {statement-2,NEXT SENTENCE}
	Initiating the Processing of Files (OPEN Statement)
OPEN or OPENSEQU	SCREEN OPEN Statement
for OPEN SEQUENTIAL	OPEN Statement (1 of 2) OPEN {INPUT file-name-1 [REVERSED] [(WITH) NO REWIND] {,file-name-2 {REVERSED] {(WITH) NO REWIND]] OUTPUT file-name-3 [(WITH) NO REWIND] [file-name-4 [NO REWIND]] I-0 file-name-5 [,file-name-6] EXTEND file-name-7 [,file-name-8]}
OPEN2, OPENRELA. or	SCREEN OPEN Statement
OPENINDE for OPEN RELATIVE or OPEN INDEXED	OPEN Statement (2 of 2) OPEN (INPUT file-name-1 [,file-name-2] OUTPUT file-name-3 [,file-name-4] I-O file-name-5 [,file-name-6] OUTPUT file-name-3 [,file-name-4] I-O file-name-5 [,file-name-6]







*MCS stands for message control system.

Obtaining Sorted Records from a Sort Operation or Merged **Records during a Merge Operation (RETURN Statement)** SCREEN RETURN Statement RETURN **RETURN Statement** RETURN file-name RECORD [INTO identifier] ;AT END imperative-statement Logically Replacing a Record in a Mass Storage File (REWRITE Statement) SCREEN * REWRITE Statement REWRITE **REWRITE Statement** REWRITE record-name [FROM identifier] [INVALID (KEY) imperative-statement] Searching for a Table Element That Satisfies the Specified **Condition (SEARCH Statement)** SCREEN SEARCH Statement SEARCH or SEARCHVA SEARCH Statement (1 of 2) SEARCH identifier-1 [VARYING {identifier-2, index-name-1}] [;AT END imperative-statement-1] ;WHEN condition-1 {imperative-statement-2,NEXT SENTENCE} [;WHEN condition-2 {imperative-statement-3,NEXT SENTENCE}]... SCREEN SEARCH Statement SEARCH2 or SEARCHAL SEARCH Statement (2 of 2) SEARCH ALL identifier-1 [;AT END imperative-statement-1] WHEN {data-name-1 {(IS) EQUAL (TO),(IS) =} {identifier-3,literal-1,arithmetic-expression-1},condition-name-1} [AND {data-name-2 {(IS) EQUAL (TO),(IS) =} {identifier-4,literal-2,arithmetic-expression-2},condition-name-2}] {imperative-statement,NEXT SENTENCE}

	Releasing a Message or Segment to Output MCS* Queues (SEND Statement)
SEND or SENDFROM	SCREEN SEND Statement
	SEND Statement (1 of 2)
	SEND cd-name FROM identifier-1
SEND2 or SENDFRWI	SCREEN SEND Statement
	SEND Statement (2 of 2)
	SEND cd-name [FROM identifier-1]
	{(WITH) identifier-2,(WITH) ESI,(WITH) EMI,(WITH) EGI} {{BEFORE.AFTER} ADVANCING
	{{{identifier-3, integer} [LINE,LINES]},PAGE}]
	Establishing Reference Points for Table Handling Operations (SET Statement)
SET or SETTO	SCREEN SET Statement
	SET Statement (1 of 2)
	<pre>SET {identifier-1 [,identifier-2],index-name-1 [,index-name-2]} T0 {identifier-3,index-name-3,integer-1}</pre>
SET2,	SCREEN SET Statement
SETUPBY, or	CET Statement (2 of 2)
SETDOWNB	SET Statement (2 01 2) SET index-name-4 [,index-name-5]
	{UP BY,DOWN BY} {identifier-4,integer-2}
	Creating a Sort File and Outputting Records in Sorted Order (SORT Statement)
SORT	SCREEN SORT Statement
	SORT Statement
	SORT file-name-1 ON (ASCENDING, DESCENDING) (KEY) data-name-1
	[,data-name-z] [UN {ASUENDING,DESUENDING} (KEY) data-name-3 [,data-name-4]] [COLLATING SEQUENCE (IS) alphabet-name]
	(INPUT PROCEDURE (IS) section-name-1 [THRU section-name-2], USING file-name-2 [_file-name-3]
	{OUTPUT PROCEDURE (IS) section-name-3 [THRU section-name-4], GIVING file-name-4}

*MCS stands for message control system.
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Logically Positioning a Relative or Indexed File and Retrieving **Records Sequentially (START Statement)** SCREEN START Statement START START Statement START file-name [KEY {(IS) EQUAL (TO),(IS) =,(IS) GREATER (THAN),(IS) >, (IS) NOT LESS (THAN),(IS) NOT < }] [;INVALID KEY imperative-statement] Terminating or Temporarily Suspending the Program Execution (STOP Statement) SCREEN STOP Statement STOP STOP Statement STOP {RUN,literal} Juxtaposing Two or More Data Items into a Single One (STRING Statement) SCREEN STRING Statement STRING STRING Statement STRING {identifier-1 [identifier-2], literal-1 [literal-2]}... DELIMITED (BY) {identifier-3,literal-3,SIZE} [{identifier-4 [identifier-5], literal-4 [literal-5]}... DELIMITED (BY) {identifier-6,literal-6,SIZE}}... INTO identifier-7 [(WITH) POINTER identifier-8] [;ON OVERFLOW imperative statement] Subtracting Numeric Data Items from Specified Items and Storing the Result (SUBTRACT Statement) SCREEN SUBTRACT Statement SUBTRACT or SUBTRCTF SUBTRACT Statement (1 of 3) SUBTRACT {identifier-1,literal-1} [,{identifier-2,literal-2}]... FROM identifier-m [ROUNDED] [,identifier-n [ROUNDED]] [(ON) SIZE ERROR imperative-statement] SCREEN SUBTRACT Statement SUBTRAC2 or SUBTRCTG SUBTRACT Statement (2 of 3) SUBTRACT {identifier-1,literal-1} [,{identifier-2,literal-2}]... FROM {identifier-m,literal-m} GIVING identifier-n [ROUNDED] [,identifier-o [ROUNDED]] [(ON) SIZE ERROR imperative-statement]

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SUBTRAC3 or	SCREEN SUBTRACT Statement
SUBTRCTC	CURTRACT Chatcher (7, 64, 7)
	SUBIRACT Statement (S of S) SUBTRACT {CORRESPONDING,CORR} identifier-1 FROM identifier-2 [ROUNDED] [(ON) SIZE ERROR imperative-statement]
	Initiating or Terminating the Trace Function (TRACE Statement)
TRACE	SONEEN TRACE Statement
	TRACE Statement {READY,RESET} TRACE
	Altering Characters of an Identifier (TRANSFORM Statement)
TRANSFOR or	SCREEN TRANSFORM Statement
TRNSFMFT	
	TRANSFORM identifier-1 [.identifier-2] CHARACTERS
	FROM {identifier-3,nonnumeric-literal-1,figurative-constant-1} TO {identifier-4,nonnumeric-literal-2,figurative-constant-2}
TRANSEO2 or	
TRNSFMOB	
	TRANSFORM Statement (2 of 2) TRANSFORM identifier-1 [,identifier-2] CHARACTERS {ON,BY} identifier-5
	Separating Characters in a Field and Placing Them into Multiple Fields (UNSTRING STATEMENT)
UNSTRING	SCREEN UNSTRING Statement
	UNSIRING Statement UNSTRING identifier-1 [DELIMITED (BY) [ALL] (identifier-2.literal-1]
	[OR [ALL] {identifier-3, literal-2}]] INTO identifier-4 [,DELIMITER IN identifier-5] [,COUNT IN identifier-6] [identifier-7 [,DELIMITER IN identifier-8]
	[,COUNT IN identifier-9]] [(WITH) POINTER identifier-10] [TALLYING IN identifier-11] [;ON OVERFLOW imperative-statement]

or USEAFTER	SCRIEN USE Statement
	USE Statement (1 of 3)
	USE AFTER (STANDARD) {EXCEPTION,ERROR} PROCEDURE (ON) {file-name-1 [,file-name-2],INPUT,OUTPUT,I-0,EXTEND}
or USEFORDE	SCREEN USE Statement
	USE Statement (2 of 3)
	USE (FOR) DEBUGGING (ON) {cd-name-1,[ALL (REFERENCES OF)] identifier-2, file-name-1,procedure-name-1,ALL PROCEDURES} [{cd-name-2,[ALL (REFERENCES OF)] identifier-3,file-name-2, procedure-name-2,ALL PROCEDURES}]
	USE {AFTER,BEFORE} (STANDARD) [BEGINNING,ENDING] [FILE,REEL] LABEL PROCEDURE (ON) {file-name-1 [,file-name-2],INPUT,OUTPUT}
	Releasing a Logical Record for an Output or I/O File (WRITE Statement)
TE or WRITESEQ	Releasing a Logical Record for an Output or I/O File (WRITE Statement)
TE or WRITESEQ VRITE SEQUENTIAL	Releasing a Logical Record for an Output or I/O File (WRITE Statement) SCREEN WRITE Statement WRITE Statement (1 of 2)
TE or WRITESEQ VRITE SEQUENTIAL	Releasing a Logical Record for an Output or I/O File (WRITE Statement) SCREEN WRITE Statement WRITE Statement (1 of 2) WRITE record-name [FROM identifier-1] [{BEFORE,AFTER} ADVANCING ({identifier-2,integer} [{LINE,LINES}], mnemonic-name,PAG2}]
TE or WRITESEQ VRITE SEQUENTIAL	Releasing a Logical Record for an Output or I/O File (WRITE Statement) SCREEN WRITE Statement WRITE Statement (1 of 2) WRITE record-name [FROM identifier-1] [{BEFORE,AFTER} ADVANCING {{identifier-2,integer} [{LINE,LINES}], mnemonic-name,PAG2}] [;AT {END-OF-PAGE,EOP} imperative-statement]
TE or WRITESEQ /RITE SEQUENTIAL TE2,	Releasing a Logical Record for an Output or I/O File (WRITE Statement) SCREEN WRITE Statement WRITE Statement (1 of 2) WRITE record-name [FROM identifier-1] [{BEFORE,AFTER} ADVANCING {{identifier-2,integer} [{LINE,LINES}], mnemonic-name,PAGE}] [;AT {END-OF-PAGE,EOP} imperative-statement]
TE or WRITESEQ /RITE SEQUENTIAL TE2, TEREL,	Releasing a Logical Record for an Output or I/O File (WRITE Statement) SCREEN WRITE Statement WRITE Statement (1 of 2) WRITE record-name [FROM identifier-1] [{BEFORE,AFTER} ADVANCING {{identifier-2,integer} [{LINE,LINES}], mnemonic-name,PAGE}] [;AT {END-OF-PAGE,EOP} imperative-statement] SCREEN WRITE Statement WRITE Statement (2 of 2)
TE or WRITESEQ VRITE SEQUENTIAL ITE2, ITEEL, ITEIND WRITE ATIVE	Releasing a Logical Record for an Output or I/O File (WRITE Statement) SCREEN WRITE Statement WRITE Statement (1 of 2) WRITE record-name [FROM identifier-1] [{BEFORE,AFTER} ADVANCING {{identifier-2, integer} {{LINE,LINES}}, mnemonic-name,PAGE}] [;AT {END-OF-PAGE,EOP} imperative-statement] SCREEN WRITE Statement WRITE Statement (2 of 2) WRITE record-name [FROM identifier] [;INVALID (KEY) imperative-statement]

Indicating the Location Where a Debugging Package Is to Be Executed (*DEBUG Statement)

*DEBUG Statement

*DEBUG

SCREEN *DEBUG Statement

*DEBUG procedure-name

Appendix B. General Editor Command Summary

B.1. SUMMARY OF EDT COMMANDS

Table B-1 summarizes the formats and explanations for the EDT commands. The commands are listed in alphabetical order.

Command	Format	Explanation
ົລ	<pre> a{line-number [increment]}[:{data} + - </pre>	Sets the current line number and increment for data and command lines keyed in at the workstation
CHANGE	ພC ['search-string'[*n]] TO 'change-string'[*n]	Replaces an existing string in the current work-space file with a new string
<u>C</u> <u>O</u> PY	ິລCO [line-range]['search-string'[*n]] TO destination	Copies lines in the current work-space file to new line locations without deleting the original lines
DELETE	<pre>@D [line-range]['search-string'[*n]]</pre>	Erases specified lines from the current work-space file
FIND	@FIN 'search-string'[*n]	Locates the first occurrence of a string in the work-space file and assigns its corresponding line number to the variable ? and the column numbers of the first and last columns it occupies to [and] respectively

Table B-1.	EDT	Command	Summary	(Part	1	of	6)

Command	Format	Explanation
<u>Fs</u> tatus	To specify file parameters for any file for which you want a list of modules, use this format:	Creates in the work-space file a list of all modules contained in a specified
	<pre>@FS[MODULE=module-name] [, TYPE={module-type}]</pre>	program library
	, <u>FIL</u> ENAME={filename 'filename' "filename"}	
	,VSN=volume	
	[, <u>DEV</u> ICE={did DTSK <u>DISKETTE</u> }]	
INSERT	aI 'change-string'[∗n]	Inserts a specified string into lines in the current work-space file
LIST	ືaL [line-range]['search-string'[★n]][<u>IM</u> MEDIATE]	Prints specified lines from the current work-space file on the printer
MOVE	<pre>@M [line-range]['search-string'[*n]] TO destination</pre>	Transfers specified lines to new line locations in the work-space file and deletes the original lines and line numbers
NUMBER	<pre>@NU 'sequence-string'[*n][BY increment]</pre>	Inserts sequence numbers into input lines
PRINT	@P [line-range]['search-string'[*n]]	Displays specified lines from the current work-space file on the workstation screen
<u>р</u> исн	<pre>@PU [line-range]['search-string'[*n]][IMMEDIATE]</pre>	Reproduces specified lines from the current work-space file on cards
READ	To read a SAT or MIRAM library module from disk or format label diskette to the current work-space file, use this format:	Reads a copy of a library module or program
	<pre> @READ MODULE=module-name [, IYPE={module-type}] </pre>	library into the work-space file
	<pre>[, TRUNC={YES}], FILENAME={filename 'filename' "filename'</pre>	
	[,RDPASS=password],VSN=volume	
	, <u>DEVICE</u> = did DISK DISKETTE	
	∆ { {KEY=start-col-no:end-col-no { KKEY=start-col-no:end-col-no } } ∰OW∆first-col-no:last-col-no	

Table B-1. EDT Command Summary (Part 2 of 6)

Table B-1.	EDT	Command	Summary	(Part 3 of 6)
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Command Format READ To read a MIRAM data file from disk or format label diskette (cont) to the current work-space file, use this format: "filename") ,VSN=volume ,<u>KEYN</u>O={n}] ,<u>DEV</u>ICE={did **) #**[| [,<u>BFS</u>Z=n] [,<u>TRU</u>NC={YES} △ <u>K</u>EY=start-col-no:end-col-no \overline{K} KEY=start-col-no:end-col-no <u>[SH</u>OW∆first-col-no:last-col-no] To read a unit record file from a data set label diskette or from the card reader, use this format: 'filename'
'filename'
'filename' @READ FILENAME= filename "filename" did |<u>DISKE</u>TTE||,<u>TRU</u>NC={YES}| |RDR ,<u>DEVICE=</u>(did △ [[KEY=start-col-no:end-col-no KKEY=start-col-no:end-col-no SHOW∆first-col-no:last-col-no] To read a file from a tape, use this format: @READ FILENAME= { filename { 'filename '} } [, RDPASS=password] ["filename"] ,VSN=volume,<u>DEVICE</u>={did <u>TA</u>PE}[,<u>BKNO</u>={YES}] [,<u>TRUNC=</u>{YES}]△[{KEY=start-col-no:end-col-no KKEY=start-col-no:end-col-no SHOW∆first-col-no:last-col-no}]

Table B-1. EDT Command Summary (Part 4 of 6)

Command	Format	Explanation
<u>R</u> EAD (cont)	To read a file from the spool file to the current work-space file, use this format:	
	$\Im \underline{R} EAD [JOB=jobname] \begin{bmatrix} , \underline{HO} LD = \begin{pmatrix} L \\ N \\ Y \end{bmatrix}$	
	<pre>[,FILENAME= {filename</pre>	
	,QUEUE= LOG PRINT PUNCH RDR (ALL= YES) (,SKIP= n) PUNCH RDR	
	[, <u>TRUNC=</u> {YES}] △ [{KEY=start-col-no:end-col-no KKEY=start-col-no:end-col-no <u>SH</u> OW△first-col-no:last-col-no}]	
	To read the same module or file last accessed through a previous @READ or @WRITE command, use this format:	
	<u>a</u> ₽EAD	
	To read the same module or file last accessed through a previous @READ or @WRITE command but read now with a KEY, KKEY, or SHOW parameter or any valid EDT command specified, use this format:	
	@READA;A KKEY=start-col-no:end-col-no KKEY=start-col-no:end-col-no SHOWAfirst-col-no:last-col-no [valid EDT command]	
REMOVE	@REM 'search-string'[∗n]	Deletes a specified string from lines in the work-space file
SEQUENCE	<pre>@SEQ {'sequence-string'[*n]}BY increment *</pre>	Inserts sequence numbers into existing lines in the current work-space file
UPDATE	ພU [line-range]['search-string'[∗n]]	Displays specified lines from the work-space file one at a time for you to edit or change

Command WRITE To write the current work-space file to a SAT or MIRAM Writes a copy of the library module on a disk or format label diskette, use current work-space file to: this format: a program library or data file on disk, diskette, or aWRITE MODULE=module-name [, TYPE={module-type}] tape, or to the spool file "filename" ,<u>DEV</u>ICE=(did ,VSN=volume $\left[, \underline{CONTIG} = \left\{ \underbrace{\mathbf{MES}}_{\underline{N}O} \right\} \right] \left[, INC = \left\{ \begin{array}{c} n \\ \mathbf{M} \end{array} \right\} \right] \left[, \underline{RCSZ} = n \right] \left[, \underline{SIZE} = n \right]$ $\left[, \underbrace{SAT}_{\text{MD}}^{\text{YES}}\right]$ To write the current work-space file to a MIRAM data file on a disk or format label diskette, use this format: @WRITE FILENAME={filename
{'filename'} "filename" , VSN=volume $\left[, \underline{CONTIG} \left\{ \underbrace{\mathbf{WES}}_{\underline{N}O} \right\} \right] \left[, \underline{DEVICE} = \left\{ \begin{array}{c} did \\ \underline{OS} \end{array} \right\}$ $\left[, INC = \left\{ \begin{array}{c} n \\ \blacksquare \end{array} \right\} \right] \left[, \underline{I}\underline{N}\underline{I}T = \left\{ \begin{array}{c} \underline{Y}ES \\ \blacksquare \end{array} \right\} \right] \left[, \underline{E}\underline{X}TEND = \left\{ \begin{array}{c} \blacksquare \\ NO \end{array} \right\} \right]$,KEYi={start-col-no:end-col-no {start-col-no:end-col-no,{DUP},{CHG } ,<u>SI</u>ZE=n [,RCB={YES}] [,<u>RCF</u>M={₩₩₩}},<u>RCS</u>Z=n [,<u>SC</u>SZ={n **256**}][,<u>BFS</u>Z=n] To write the current work-space file to a unit record file (i.e., to the printer, card punch, or to a data set label diskette), use this format: **BWRITE FILENAME=**{
filename
}
,
VSN=volume
{
'filename'
} "filename" (did DISKETTE)[,RCEM={₩₩₩}][,RCSZ=n] ,<u>DEV</u>ICE=(did PRINT PUNCH

Table B–1. EDT Command Summary (Part 5 of 6)

Table B-1.	EDT	Command	Summary	(Part	6 of 6)	
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2023 alaQad	Format	Explanation
WRITE (cont)	To write the current work-space file to a tape, use this format:	
	<pre>@WRITE FILENAME= {filename 'filename' "filename"}</pre>	
	,VSN=volume, <u>DEV</u> ICE={did { <u>TA</u> PE} [, <u>BFS</u> Z=n] [, <u>BKN</u> O={YES}]	
	$ \begin{bmatrix} R \subseteq EM = \left(\begin{array}{c} MI & MUNB \\ FIXBLK \\ VARUNB \\ VARBLK \\ UNDEF \end{array} \right) \begin{bmatrix} R \subseteq SZ = n \end{bmatrix} \begin{bmatrix} I \\ MI $	
	[, <u>Ex</u> tend={ **ES }] NO	
	To write the current work-space file to the spool file, use this format:	
	@₩RITE [JQB=jobname][, <u>HQ</u> LD={YES}] NO	
	<pre>[,FILENAME={filename 'filename'} [,ACCT=acct-no] 'filename'}</pre>	
	,QUEUE={PRINT PUNCH RDR ,QUEUE={PRINT PUNCH RDR	
	To write to the same module or file last accessed through a previous @READ or @WRITE command, use this format:	
	a₩RITE	
	To write to the same module or file last accessed through a previous @READ or @WRITE command, but written to now with any valid EDT command specified, use this format:	
	ର⊮RITE∆;∆valid EDT command	

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B.2. SUMMARY OF EDT PROCEDURE FILE COMMANDS

Table B-2 summarizes the formats and explanations for the EDT procedure file commands. The commands are listed in alphabetical order.

Table B-2.	EDT	Procedure	File	Command	Summary
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Commend	Format	Explanation
DO	$\begin{array}{c} \text{aDO proc-number} \left[\left\{ \begin{array}{c} PRINT \\ NOPRINT \\ R \\ EVERT \end{array} \right\} \right] \end{array}$	Executes a procedure file
END	۵E	Terminates procedure file definition
GOTO	aG {label}	Permits branching within a procedure file
INPUT	@INP file-parameters	Loads and executes a procedure file
NOP	ƏNOP [comment]	Enters extra lines for branching or comments into a procedure file
PROC	@PRO [proc-number]	Begins procedure file definition
RETURN	ORET	Terminates procedure file execution

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B.3. SUMMARY OF EDT VARIABLE COMMANDS

1.1

Table B-3 summarizes the formats and explanations for the EDT variable commands. The commands are listed in alphabetical order.

Table B-3. EDT Variable Command Summary

Command	Pormat	Explanation
<u>AS</u> SIGN	<pre>@AS Gn={'string'[*n] n(x:y) n[±m] Gm LEN(n)</pre>	Assigns values to EDT variables
<u>DI</u> SPLAY	<pre>@DI ('string'[*n]) n(x:y) n[±m] Gm LEN(n)</pre>	Displays a specified expression or the value of a specified expression from the work-space file on the workstation screen
IF	@IF.condition.command or	Permits an EDT command or EDT procedure file command to be executed based on some condition
	alF expression relation expression command	

B.4. SUMMARY OF EDT DIRECTIVE COMMANDS

Table B-4 summarizes the formats and explanations for the directive commands. The commands are listed in alphabetical order.

 Table B-4.
 EDT Directive Command Summary (Part 1 of 2)

Command	Format	Explanation
<u>Сне</u> ск	ache [{OFF}]	Determines if processed lines are to be displayed on the workstation screen
<u>Cob</u> ol	acob	Activates the COBOL editor
<u>DR</u> OP	aDR	Deletes all lines in the entire EDT work-space file
EFP	aefp	Activates the error file processor
FORMAT	ଇFORMAT parameter string (for RPGEDT) ଇFORMAT (for COBEDT)	Used only in conjunction with either RPGEDT or COBEDT. See the appropriate subeditor manual for information on the @FORMAT directive.
HALT	อห	Terminates the EDT session
RPG	aRPG	Activates the RPG II editor
<u>S</u> et	<pre>@S [CHAR=tab-character,IABS={columns}] [,LINE=length] [,EXCLUDE={exclusion-character}]</pre>	Defines various parameters to EDT that collectively make up your EDT environment
	[, <u>A</u> TSIGN=command-trigger][, <u>CO</u> LON=range-separator]	
	[, <u>EN</u> COL=end-column] [, <u>B</u> UFFER={record-size}]	
	[, <u>W</u> IDTH=device-size][, <u>CL</u> EAR][, <u>S</u> TRIP= / (OFF)]	
	[, <u>DI</u> SPLAY]	
	[, <u>SC</u> RDSPLY={ IRUNCATE }]	
	$\begin{bmatrix} , \underline{R}\underline{O}LL = \left\{ \begin{array}{c} \textbf{if } SCRDSPLY = TRUNCATE \\ \textbf{if } SCRDSPLY = FOLD \\ 1-15 \end{array} \right\} \end{bmatrix}$	
	$\left[, \underline{MODE} = \left\{ \underline{LINE} \\ \underline{S}CREEN \right\} \right] \left[, \underline{LANGUAGE} = \left\{ \underbrace{\underline{FORTAN}}_{\underline{FO}RTRAN} \\ \underline{COBOL} \\ \underline{R}PG \\ \end{bmatrix} \right]$	
	$\left[, \underbrace{\text{Recentry}}_{\text{BLANK}} \right] \left[, \underbrace{\text{SCR}}_{\text{FORM}} \right] \left[, \underbrace{\text{SCR}}_{\text{BLANK}} \right]$	

Table B-4. EDT Directive Command Summary (Part 2 of 2)

on an	Rama.	Coptemation
<u>Sy</u> stem	<pre>@SY [workstation-command]</pre>	Permits workstation commands to be issued during an EDT session or temporarily returns you to system mode

B.5. SUMMARY OF EDT SCREEN COMMANDS

Table B-5 summarizes the formats and explanations for the screen commands. It lists the commands in alphabetical order.

Command.	Format	Coplenation
BLOCK	aBL	Displays a freeform screen that allows you to switch to block mode for entering multiple commands or data
HELP	@HE [error message code]	Displays help screens for any EDT error messages
<u>Pa</u> rams	∂PA	Displays a screen showing the parameters on the @SET directive (those that make up your EDT environment)
<u>PROM</u> PT	@PROM [edt command]	Displays the EDT command menu screen or help screens for any of the EDT commands (meaning EDT commands, modifiers, directives, procedure file commands, variables, and screen commands)
RESTORE	ORES	Returns you to the point in your EDT session where you originally entered a screen command
ROLL	aro	Displays freeform screens, showing the EDT work-space file, where you can update lines or simply view them

Table B-5. EDT Screen Command Summary

B.6. SUMMARY OF EFP COMMANDS

Table B-6 summarizes the formats and explanations for the EFP commands. It lists the commands in alphabetical order, not the order in which you may necessarily use them.

Table	B-6.	EFP	Command	Summary
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Command	Format	Explanation
EEP	To correct and display COBOL and RPG II errors and FORTRAN IV errors for one source module at a time, use: <pre>@EF[X]\Delta[program-unit-name]Δ [error-range]Δ ['search-string']</pre> To correct and display FORTRAN IV errors for compilations that process multiple source modules, use: @EF SOU source-module-name,	Displays errors in your error file along with the source lines that contain those errors. Note that EFP is both an EDT directive and an EFP command.
END	∂EF END	Terminates the error file processor
<u>SUM</u> MARY	QEF SUM	Displays an error file summary for the module you're correcting

Appendix C. Workstation Command List

For a quick reference, all the commands you may enter from a workstation are listed here. For detailed descriptions of these commands, see the current versions of the interactive services commands and facilities user guide/programmer reference and its summary.



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BRKPT△{P}, {PR} [,ACCT=acctno][,CART=cartridge-id] [] {PU
<pre>,DEV= {768 770 773 776 778 789 9300</pre> [, <u>FIL</u> E=filename][, <u>FO</u> RM=formname], <u>JO</u> B=jobname
BRKPT△LOG
<u>CA</u> NCEL∆jobname [,{ D }]
$\underbrace{CHANGE}_{p} \operatorname{obname}_{p} \left\{ \begin{array}{c} H \\ N \\ P \end{array} \right\}$
<u>COMMENT∆MODULE=modulename</u> [, <u>TY</u> PE={module-type}], <u>FILENAME</u> ={filename
<u>CON</u> NECT∆job[,filename]
Copying Modules:
<u>COP</u> Y△ <u>MO</u> DULE=modulename (, <u>TY</u> PE={module-type}], <u>FIL</u> ENAME={filename filename' "filename"}
[,RDPASS=password],VSN=volume△TO△MODULE=modulename
, <u>FIL</u> ENAME= {filename } [, <u>RCS</u> Z=n][, <u>WR</u> PASS=password],VSN=volume {'filename'} ("filename")
$\left[, \underline{CONTIG} = \left\{ \begin{array}{c} \mathbf{WES} \\ \mathbf{NO} \end{array} \right\} \left[, \mathbf{INC} = \left\{ \begin{array}{c} \mathbf{n} \\ \mathbf{n} \end{array} \right\} \right] \left[, \underline{SIZE} = \mathbf{n} \right] \left[, \underline{SAT} = \left\{ \begin{array}{c} \mathbf{YES} \\ \mathbf{NO} \end{array} \right\} \right] \triangle \left[\mathbf{NUMBER} \right] \left[, \mathbf{HEX} \right] \left[, \mathbf{WAIT} \right] \\ \mathbf{NO} \end{array} \right]$

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Copying Unit Record Files:
<u>COPYADEYICE</u> = $\begin{cases} did \\ \underline{DISKETTE} \\ RDR \end{cases}, \underline{FILENAME} = \begin{cases} filename \\ 'filename' \\ "filename'' \end{cases}, VSN=volume \Delta TO \Delta \underline{DEYICE} = \begin{cases} did \\ \underline{DISKETTE} \\ \underline{PRINT} \\ \underline{PUNCH} \end{cases}$
<pre>[,RCEM={****}][,RCSZ=n],FILENAME={filename {'filename'} "filename"}</pre> ,VSN=volume△[NUMBER][,HEX][,WAIT] "filename"}
DDP_command-string
DEFKEYA {F#nn } {, command string}
Deleting Function Key Definitions:
DEFKEYA (F#mm) MW
DEFKEY DISPLAY
$\underbrace{DELETE \triangle SPL}_{ALL} \left(\begin{array}{c} ALL\\ LOG\\ PRINT\\ PUNCH\\ RDR \end{array} \right) \left[\begin{array}{c} \underline{ACCT} = acctno \right] \left[\begin{array}{c} \underline{CA}RT = cartridge - id \right] \\ 70 \\ 773 \\ 776 \\ 789 \\ 9300 \end{array} \right]$
[, <u>FIL</u> E=filename][, <u>FO</u> RM=formname][, <u>JO</u> B=jobname][, <u>ST</u> EP=stepno]
Deleting a Specific Job:
<u>DE</u> LETE∆jobname[,LOG]
Deleting All Jobs from One or All Job Queues:
$\frac{DELETE \triangle JBQ, \left(\begin{array}{c} M \\ H \\ N \\ P \end{array} \right) \left[, LOG \right]$



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