



RELEASE DOCUMENTATION

document

SYSTEM ENHANCEMENT (SE) E8x

system OS/3

product level E8x for 8.0

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Product: SPERRY UNIVAC OPERATING SYSTEM/3 (OS/3)

REMOTE TERMINAL PROCESSOR ENHANCEMENT

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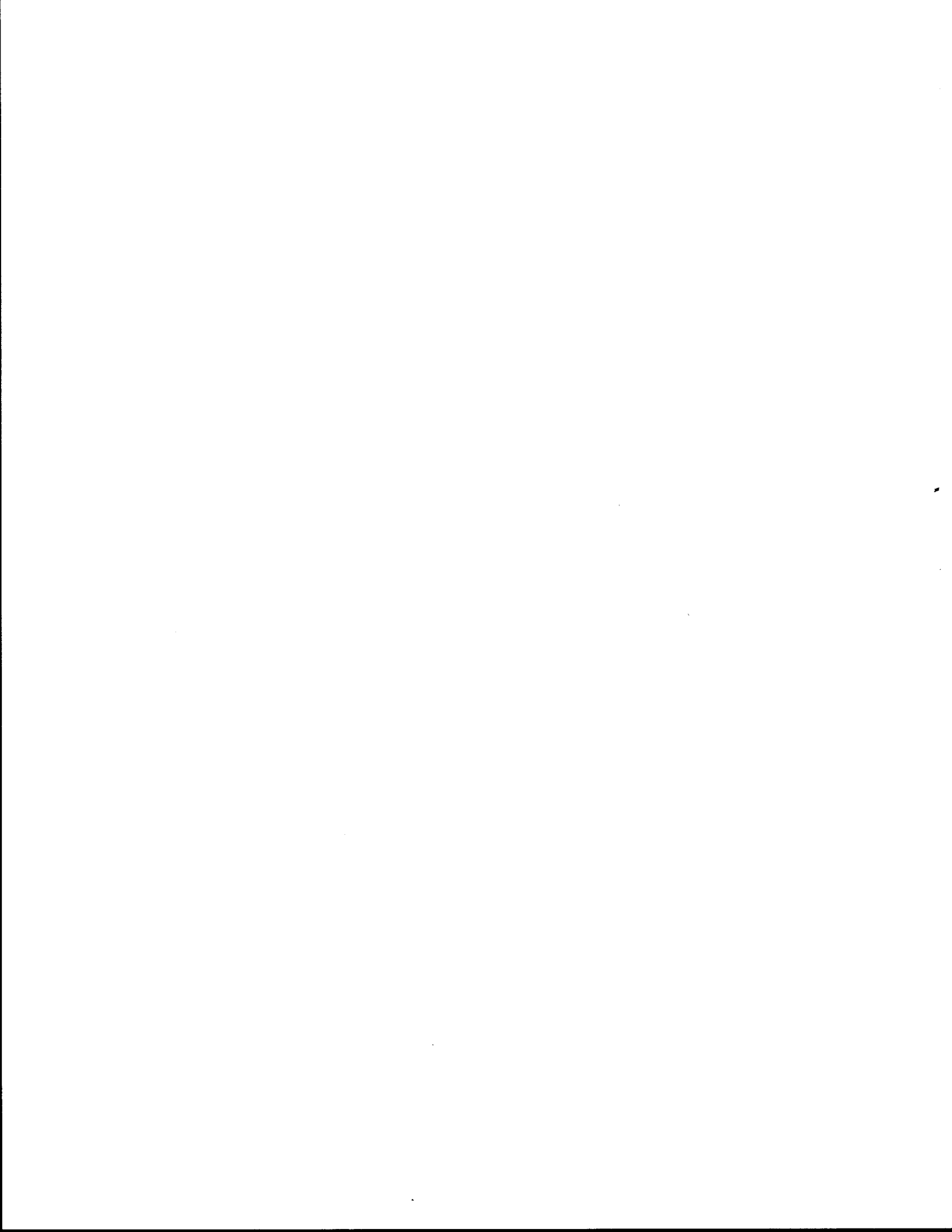
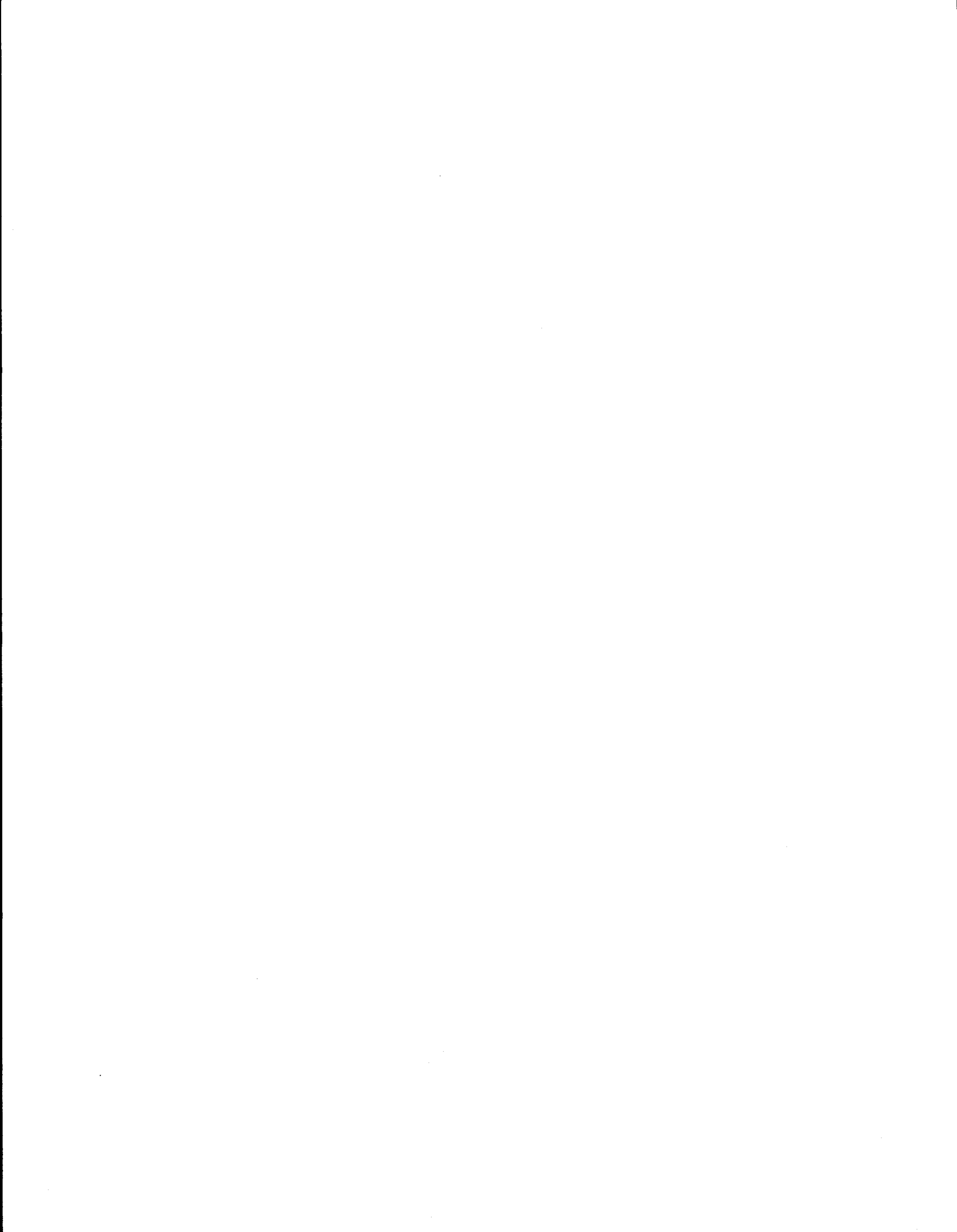


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1. GENERAL INFORMATION

1.1. SYSTEM ENHANCEMENT CONCEPT

A System Enhancement (SE) consists of media containing enhancement System Maintenance Changes (SMCs)/program products and a document describing the enhancements. Enhancement changes are applicable to specific system releases. In certain cases, SEs will additionally support new hardware. An SE differs from a general or interim release by providing functionality without the need for installing a new operating system.

1.2. RELEASE IDENTIFICATION

Library System:	SPERRY UNIVAC Operating System/3 (OS/3)
System Enhancement No.:	SE E8x
SUR Library No.:	E8x

1.3. REQUIRED RELEASE LEVEL

The required level of the OS/3 system is:

Release 8.0 dated 10/29/82

1.4. RELEASE ENHANCEMENT

The Remote Terminal Processor (RTP) product operates on an OS/3 host processor as a remote job entry system to an IBM central site host system. It provides support for card readers, diskettes, card punches, line printers, and tapes and communicates with multiple IBM central site host processors, using BSC communications lines.

RTP supports IBM host processors operating under the following software systems:

a. IBM HASP (Houston Automatic Spooling Program)*

c. IBM JES II and JES III (Job Entry System)*

For HASP, support of tape requires the Bank of Montreal central utility program at the host site.

RTP functionality includes communication data compression, multileaving of job streams, interleaving of data and acknowledgment messages, EBCDIC and ASCII transparent modes, use of OS/3 spooling facilities and individual activation/deactivation, and control of the BSC communications links.

For additional information about the RTP product, refer to the remote terminal processor user guide, UP-S990.

* HASP and JES III functionality is temporarily restricted and will be supported in the near future. See Section 3 for JES II restrictions.

1.5. RELEASE PACKAGE

1.5.1. System 80

<u>Media</u>	<u>VSN</u>	<u>Contents</u>
SE E8x Document	N/A	SE E8x Description Information
1 8420 Diskette	RTP001	Program product diskette containing RTP software
1 8420 Diskette	E08201	SMC diskette containing software changes (SMCs) to support the enhancement.

1.5.2. Series 90

<u>Media</u>	<u>VSN</u>	<u>Contents</u>
SE E8x Document	N/A	SE E8x Description Information
1 Tape	RTP001	Program product tape containing RTP software
1 Tape	E08201	SMC tape containing software changes to support the enhancement.

2. MEDIA INFORMATION

The System Enhancement media is diskettes (System 80) or tapes (Series 90) that contain the program product software and System Maintenance Changes (SMCs). The SE document contains release-related information.

2.1. INSTALLATION GUIDELINES

2.1.1. General

To ensure that all modules to be changed are present on your system:

- o you must IPL from a release pack;
- o ''SGS'' files must be present; and
- o no system modules or group names should be erased.

2.1.2. Installing SE E8x

Installation of the software portion of SE E8x takes approximately 15 minutes. The following must be completed prior to installing the hardware:

- o If you utilize more than one software system, each must have the SE software installed.
- o If you wish to retain backup systems stored on various media types, you must restore them, install SE software, and then back up again.

Installation Procedure:

1. Be certain that your system is backed up.
2. Do not multiprogram.
3. IPL the system so you are running with the starter supervisor, SYEBAS, even though you may already be operating under that supervisor.
4. Mount RTP001; load the program product by entering:

System 80:

Series 90:

RV SG0CPYPD

RV SG0CPYPD

respond to the mount request with the appropriate GO: System 80 - SG0CPYPD;
Series 90 - SG0CPYPD.

5. Mount E08201 and run the SMC by entering on the console:

System 80:

Series 90:

RV SMC,, INPUT=(DKD,E08201)

RV SMC,, INPUT=(CT,E08201)

-
6. Review the Audit Trail report for any special considerations or information regarding problems encountered during the SMC run.

2.2. APPLICABILITY

This SE applies to both System 80 and Series 90 Systems. The following SMC is in the SE:

<u>SMC Number</u>	<u>Component</u>	<u>Component Name</u>
C081928	A021	Loader

3. DOCUMENTATION

3.1. RESTRICTIONS

- o Unattended operation is not supported.
- o Paper tape is not supported.
- o The RETAIN feature of RTSSPL is not supported.
- o JES II is supported only if its requirements do not exceed those documented in the remote terminal processor user guide, UP-8990. Specifically:
 - The remote name is limited to six characters.
 - The remote ID is required and is limited to two characters.
 - Only one password may be specified. No provision is made for a second password or a routing code.
- o Functionality for HASP and JES III is temporarily restricted and will be provided in the near future.
- o Unlabeled tape and 7-track tape are not supported.
- o Multivolume tape reception is not supported.

3.2. GUIDELINES

- o RTP provides only limited verification of parameters and formats. Spellings and data formats for parameter specifications that do not conform to those provided in the documentation are considered user errors.
- o When an RTP message requiring a reply is displayed, do not clear the screen (RE command) before answering the message. Some RTP messages, and any record of their occurrence, will be lost if the screen is cleared.
- o RTP should not be terminated with the RTP EOJ command or the OS/3 CANCEL command until the host processor has been disconnected with a sign-off (SO) command.
- o Use the physical address (addr) of the card reader when submitting cards to RTSSPL. For example:

```
// SVC 30, 332
```

where 332 is the physical address of the card reader.

- o Jobs to be sent to the IBI1 host must be spooled in using RTSSPL.
- o All tape files created by RTP will be written as undefined (U) record format.
- o Automatic response to a punch file special forms mount requested from the host is not supported. The OS/3 operator must key in the proper response to start receiving the punch file and mount the special card forms in the punch specified by the host message. The OS/3 spooler will not issue the mount form message noted in UP-8990, paragraph 4.3.5.
- o When sending or receiving tape files, the tape must be available when the RTP job is run. If the tape is not available and the console operator responds with a C to the JC10 MOUNT DEV message, the RTP job is canceled.
- o Transmission facilities used with RTP may be either half duplex or full duplex. On the System 80, RTP and ICAM must be generated as half duplex even if the physical circuit is full duplex.
- o Current users of RTP 90 should be aware that there is no assurance of compatibility between the 8.0. RTP release and earlier versions.
- o Diskette is not supported for files received from the host.
- o In the GNVCT call of RTP generation, the Port ID must be specified without leading zeros.
- o If the CONSOLE PROCESSOR BUSY message is received when entering unsolicited RTP console messages, it indicates that the system is heavily loaded and not able to process the console messages.

Allow more time between entries of console messages. If problem persists, increase the number of tanks as necessary (NUMTANKS parameter of the RTP generation statement GNOPT) and regenerate RTP.

APPENDIX A. RELEASE 8 DOCUMENTATION SUMMARY

The Release 8 Documentation Summary is a history of current issues providing a chronological list of published release documentation items.

Document item names are abbreviated as follows:

- SE - System Enhancement. Orderable media and/or documentation needed to utilize new software and hardware functionality as announced in an SRA.
- SMC - System Maintenance Change. General term for change to release software.
- SMP - System Maintenance Package. A package of SMCs issued periodically and automatically to OS/3 system users.
- SMPD - SMP Document. A document accompanying an SMP and describing the installation of the SMP.
- SRA - System Release Announcement. A document announcing both software and hardware availability.
- SRD - System Release Description. A document that accompanies newly available software releases and describes the contents, guidelines, and restrictions for using a new release.
- Broadcast SMC - Broadcast System Maintenance Change. A timely issuance of critical SMCs.

Release-related documents except Broadcast SMCs have been assigned UP numbers for identification and ordering purposes. Broadcast SMCs have a restricted distribution and are not orderable. The base UP number for OS/3 release 8.0 documentation is UP-9280. Current UP numbers are identified with an asterisk (*).

The following summarizes the current Release 8 documentation:

Issue/ UP No.	Date	Level	Item and Description
*UP-9280.1	10/15/82	8.0	SRA (Release ordering information for Release 8.0.)
*UP-9280.2	10/29/82	8.0	SRD (A base release document giving details on installing and using Release 8.0 along with guidelines and restrictions.)

Issue/ UP No. -----	Date -----	Level -----	Item and Description -----
UP-9280.9	TBA	8.0	SRA-E8A (Ordering information for System Enhancement E8A incorporating IMS-DDP Transaction Processing)
UP-9280.10	TBA	8.0	SE-E8A (Information relative to IMS-DDP Transaction Processing)
UP-9280.3	TBA	8.0	SRA-E8B (Ordering information for System Enhancement E8B incorporating the IBM 3270 Emulator.)
UP-9280.4	TBA	8.0	SE-E8B (Information relative to the IBM 3270 Emulator)