



Program Directory for Emulation Program (EP)

Release 14

Program Number 5735-XXB

for Use with
VSE/ESA

Document Date: October 1998

GI10-0996-00

Note!

Before using this information and the product it supports, be sure to read the general information under Section "Notices" on page v.

This program directory, dated October 1998, applies to Emulation Program Release 14 for VSE, (EP R14 VSE), Program Number 5735-XXB for the following:

CLC	Feature Numbers	System Names
4E1	5703/5921/5922	VSE/ESA

and to all subsequent releases and modifications until otherwise indicated in new editions.

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APAR numbers are provided in this document to assist in locating PTFs that may be required. Ongoing problem reporting may result in additional APARs being created. Therefore, the APAR lists in this document may not be complete. To obtain current service recommendations and to identify current product service requirements, always contact the IBM Customer Support Center.

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1.0 Introduction

This program directory is intended for the system programmer responsible for EP R14 VSE installation and maintenance. It contains information concerning the material and procedures associated with the installation of EP R14 VSE. You should read all of this program directory before installing the program, and then keep it for future reference.

The program directory contains the following sections:

- 2.0, "Program Materials" on page 3 identifies the basic and optional program materials and documentation for EP R14 VSE.
- 3.0, "Program Support" on page 7 describes the IBM support available for EP R14 VSE.
- 4.0, "Program and Service Level Information" on page 9 lists the program and service level information incorporated into EP R14 VSE.
- 5.0, "Installation Requirements and Considerations" on page 11 identifies the resources and considerations for installing EP R14 VSE.
- 6.0, "Installation Instructions" on page 13 provides detailed installation instructions for EP R14 VSE.
- Appendix A, "APARs Incorporated Into this Program" on page 15 provides a list of APARs incorporated into EP R14 VSE.

There is no longer a separate generation sublibrary. The generation sublibrary is now contained in the production sublibrary.

Before installing EP R14 VSE, read 3.1, "Preventive Service Planning" on page 7. This section tells you how to find updates to the information and procedures in this program directory.

Prior to EP R14 you were required to order and install two separate releases of Emulation Program when you needed Partitioned Emulation Programming (PEP) (with NCP) and standalone (without NCP). EP R14 has combined these two capabilities to offer you the convenience of a single installation.

Users who require PEP only will experience no difference in the EP R14 installation process. For EP standalone environments the installation process will be different. If you do not have NCP installed currently and you are using EP standalone, you must install NCP. A single EP installation can now be used in environments requiring both PEP and EP standalone.

At the end of this program directory you will find a Reader's Comment Form. Please take the time to complete this form and return it to the address shown on the form. Your comments and suggestions help improve this program directory and make installation easier.

A good place to start any task regarding this program is the *NCP V7R7, SSP V4R7, and EP R14 Library Directory*. This directory introduces the enhancements for the current release and shows where these enhancements are described in the NCP library. It gives you an overview of NCP, SSP, and EP and directs you to a variety of tasks related to these programs.

2.0 Program Materials

An IBM program is identified by a program number and a feature number. The program number for EP R14 VSE is 5735-XXB. Feature numbers associated with this release are provided in the following sections.

The program announcement material describes the features supported by EP R14 VSE. Ask your IBM marketing representative for this information if you have not already received a copy.

The following sections identify:

- Basic and optional program materials available with this program
- Program publications
- Program source materials
- Publications useful during installation

2.1 Basic Machine-Readable Material

This section describes the basic machine-readable materials for EP R14 VSE.

The distribution medium for this program is a 9-track magnetic tape (written at 6250 BPI), a 3480 cartridge, or a 4 mm cartridge. The tape or cartridge contains all the programs and data needed for installation. EP R14 VSE is installed using MSHP. See section 6.0, "Installation Instructions" on page 13 for more information about how to install the program.

Figure 1 describes the tape or cartridge.

Figure 1. Basic Material: Program Tape

Medium	Feature Number	Physical Volume	External Label Identification
6250 tape	5921	1	EP R14 VSE
3480 cart.	5922	1	EP R14 VSE
4 mm cart.	5703	1	EP R14 VSE

Figure 2 describes the file content of the program tape or cartridge.

Figure 2. Program Tape: File Content

File	Name
1	Header
2	Product ID & History file
3	Product Production Libraries

2.2 Optional Machine-Readable Material

There are no optional machine-readable materials for this program.

2.3 Program Publications

The following sections identify the basic, optional, and associated publications for EP R14 VSE.

2.3.1 Basic Program Publications

Figure 3 identifies the basic program publications for this program. One copy of each of these publications is included when you order the basic materials. For additional copies, contact your IBM representative. A fee is charged for additional copies.

Figure 3. Basic Material: Program Publications

Publication Title	Form Number
Emulation Program Licensed Program Specifications	GC31-6201
NCP V7R7 Migration Guide	SC30-3889

2.3.2 Optional Program Publications

There are no optional program publications for this program.

2.3.3 Softcopy Publications

All EP manuals, licensed and unlicensed, except for *Licensed Program Specifications*, are offered in displayable softcopy form on the media listed in Figure 4.

Figure 4. Softcopy Publications

Title	Form Number	Feature Number First Copy	Feature Number Additional Copy
ACF/NCP, ACF/SSP, EP, NPSI, and NTuneMON Softcopy Collection Kit (CD-ROM)	LK2T-0414#	7110	8110

Note: Order this collection kit under the NCP product. (It is not orderable under EP.) A number sign symbol (#) beside the Form Number indicates it contains "Restricted Materials of IBM."

2.3.4 Publications Associated with EP R14 VSE

Figure 5 lists publications that may be helpful when you use this program. To order copies, contact your IBM representative. A fee is charged for each publication.

Figure 5. Publications Associated with EP R14 VSE

Publication Title	Form Number
Network Control Product, System Support Programs, and Emulation Program Resource Definition Guide	SC31-6223
Network Control Product, System Support Programs, and Emulation Program Resource Definition Reference	SC31-6224
Network Control Product, System Support Programs, and Emulation Program Generation and Loading Guide	SC31-6221
Network Control Product, System Support Programs, and Emulation Program Messages and Codes	SC31-6222
Network Control Product, System Support Programs, and Emulation Program Diagnosis Guide	LY43-0033#
Network Control Product and Emulation Program Reference	LY43-0029#
Network Control Product and Emulation Program Reference Summary and Data Areas	LY43-0030#
Network Control Program, System Support Programs, and Emulation Program Trace Analysis Handbook	LY43-0037#

Note: A number sign symbol (#) beside the Form Number indicates it contains "Restricted Materials of IBM."

2.4 Program Source Materials

No program source materials or viewable program listings are provided for EP R14 VSE.

2.5 Publications Useful During Installation

The publications listed in Figure 6 may be useful during the installation of this program. To order copies, contact your IBM representative. A fee is charged for each publication.

Figure 6. Publications Useful During Installation

Publication Title	Form Number
VSE/ESA V2R2 Planning	SC33-6603
VSE/ESA V2R3 Planning	SC33-6603
VSE/ESA V2R1 Installation	SC33-6604
VSE/ESA V2R1 Administration	SC33-6605
VSE/ESA V2R1 Operation	SC33-6606
VSE/ESA V2R1 System Control Statements	SC33-6613
VSE/ESA POWER V6R1 Administration and Operation	SC33-6633
VSE/ICCF V6R1 User's Guide	SC33-6639

3.0 Program Support

This section describes the IBM support available for EP R14 VSE.

3.1 Preventive Service Planning

Before installing EP R14 VSE, check with your IBM Support Center or use either Information/Access or SoftwareXcel Extended to see whether there is additional Preventive Service Planning (PSP) information. To obtain this information, specify the following UPGRADE and SUBSET values:

Figure 7. PSP Information

UPGRADE	SUBSET	RETAIN Release
EP1E0	4E1	4E1

If you have received EP R14 VSE only from IBM Software Distribution, then before installing EP R14 VSE, you should also check with your IBM Support Center or use either Information/Access or SoftwareXcel Extended to see if there is additional PSP information.

3.2 Statement of Support Procedures

For help with problem determination and problem source identification, refer to *NCP, SSP, and EP Diagnosis Guide*. Report any difficulties you have using this program to your IBM Support Center. If an APAR is required, the Support Center will provide the address to which any needed documentation can be sent.

Figure 8 identifies the component ID (COMPID) and RETAIN Release for EP R14 VSE.

Figure 8. Program Identifiers

COMP ID	Component Name	REL
5748EP115	EP Release 14 VSE	4E1

4.0 Program and Service Level Information

This section identifies the program and service levels of this program. The program level refers to the APAR fixes incorporated into the program. The service level refers to the PTFs integrated into the product. Information about the cumulative service tape is also provided.

4.1 Program Level Information

See Appendix A, "APARs Incorporated Into this Program" on page 15 for a list of APAR fixes against previous releases incorporated into this release.

4.2 Service Level Information

No PTFs against this release of EP have been incorporated into the product tape.

4.3 Cumulative Service Tape

A cumulative service tape, containing PTFs not incorporated into this release, may be included with this program.

5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing EP R14 VSE. In most cases, you can install EP R14 VSE on a running system (target system). However, sometimes two systems may be required. If two systems are required, then the following terminology is used:

1. The system used to install the program (driving system)
(There is no driving system in an EP R14 VSE environment.)
2. The system on which the program is installed (target system).

5.1 Target System Requirements

This section describes the environment of the target system required to install EP R14 VSE.

5.1.1 Operating System Requirements

The operating system requirements for EP R14 VSE are defined by SSP V4R7 VSE, licensed program number 5868-064.

5.1.2 Machine Requirements

The target system can run in any hardware environment that supports the required software.

5.1.3 Programming Requirements

A platform-dependent BookManager product is required to display softcopy publications on CD-ROM. Limited function DOS, Windows, and OS/2 versions of these products are available on your CD-ROM. For more information or to order full-function releases of these products, or VM or MVS versions, refer to the IBM BookManager home page at <http://booksrv2.raleigh.ibm.com>.

5.1.4 DASD Storage Requirements

Figure 9 provides the space requirements for installing this program. Space requirements are larger than needed for installation to allow for PTF service that may be applied at a later date.

Figure 9. Space Requirements for Installing EP R14 VSE

Device Type	Tracks	Blocks
3380	30	N/A
3390	30	N/A
FB-512	N/A	1 860

5.2 Program Considerations

This following sections list the programming considerations for installing EP R14 VSE.

5.2.1 Operating System Requirements

The operating system requirements for EP R14 VSE are defined by SSP V4R7 VSE, licensed program number 5868-064.

5.2.2 Machine Requirements

EP R14 VSE operates with IBM 3745 communication controllers.

5.2.3 Programming Requirements

5.2.3.1 Minimum Requisites:

A minimum requisite is defined as one of the following:

- *Installation Requisite:* A product that is required at installation time. i.e. this product **will not install** successfully unless this requisite is met.
- *Run Time Requisite:* A product that is **not** required for the successful installation of this product, but **is** needed at run time in order for this product to work.

SSP V4R7 is required to generate EP R14 VSE.

NCP V7R7 is required to operate EP R14 VSE.

5.2.3.2 Functional Requisites:

There are no functional requisites for EP R14 VSE.

5.2.3.3 Compatibility Requisites:

There are no compatibility requisites for EP R14 VSE.

5.2.4 System Considerations

There are no system considerations for EP R14 VSE.

5.2.5 Special Considerations

There are no special considerations for EP R14 VSE.

6.0 Installation Instructions

This program is installed in a VSE/ESA operating system. It is supplied as a copy of the production library, which includes modules and macros belonging to this program. In addition, a history file containing installation records for this program is supplied. Installation restores the production sublibrary and updates the VSE system history file.

Because VSE/ESA supports multiple releases of the same product, it is not necessary to delete earlier levels of the EP product already installed on your system.

6.1 Installing EP R14 VSE

Complete the following steps to install this product:

1. Define the VSE product library.
2. Install the production sublibrary.

6.1.1 Step 1: Define VSE Product Library

This step is unnecessary if you want to install this program into an existing VSE library. Run the JCL sample shown in Figure 10 if you want to define a new library for this program. Labels and library names in the following JCL are arbitrary.

```
// JOB DEFINE A VSE PRODUCT LIBRARY
// DLBL vvvv,'vse.ep.lib',2099/365,SD
// EXTENT ,xxxxxx,1,0,yyyy,zzzz
// EXEC LIBR
//   DEFINE LIB=vvvv
/*
/&

xxxxxx = VOLID OF LIBRARY PACK
yyyy   = STARTING TRACK OF LIBRARY
zzzz   = SIZE OF THE LIBRARY IN TRACKS
vvvv   = VSE PRODUCT LIBRARY
```

Figure 10. Sample JCL to Define a VSE Library

6.1.2 Step 2: Install Production Sublibrary

The target library must be online during installation procedures, and label information must be available in the label area. Installation of the production sublibrary is required.

Figure 11 provides sample JCL to install the production sublibrary using MSHP.

```
// JOB INSTALL PRODUCT
// OPTION CATAL
// ASSGN SYS006,cuu
// MTC REW,SYS006
// EXEC MSHP
  INSTALL PRODUCT FROMTAPE PRODUCTION INTO=vvvv.ssss
/*
/&
cuu      =INPUT TAPE ADDRESS
vvvv     =PRODUCT LIBRARY
ssss     =PRODUCTION SUBLIB NAME
```

Figure 11. Sample JCL to Install Production Sublibrary

If an earlier level of EP is already installed, the following message will be displayed:

```
M231D INSTALLATION WILL SUPERSEDE PRODUCT xxxxxx.
```

Respond by entering KEEP if you want to keep the old version or DELETE if you want to delete it.

6.2 Installation Using the VSE Interactive Interface

This product can also be installed using the VSE/ICCF installation dialogues. From the VSE FUNCTION SELECTION panel, select menu item 1, INSTALLATION. From the INSTALLATION panel, select menu item 1 to access the INSTALL PROGRAMS panel. You will be prompted for information required by the dialogues to create the product installation job. Note that the default target sublibrary is PRD2.PROD and the default history file is the VSE System History file.

If you wish to modify the default installation parameters, it is necessary to change these values in the appropriate panels, as well as in the JCL generated by the JOB DISPOSITION panel. The installation job may be executed immediately or saved in an ICCF library for verification and later execution.

Appendix A. APARs Incorporated Into this Program

The following EP R12 APARs are incorporated into this program:

IR26683	IR24911	IR26379	IR36447
IR24823	IR24915	IR32543	IR36417
IR24909	IR25440	IR35596	IR37082
IR24910			

The following EP R8 APARs are incorporated into this program:

IR93585	IR94795	IR95018	IR96167
IR94133	IR94839	IR95019	IR98324
IR94286	IR94936	IR95020	IR99428
IR94635	IR94937	IR95021	IR99496
IR94762	IR95015	IR95815	IR25440
IR94793	IR95017	IR96019	IR37686

Reader's Comments

Program Directory for Emulation Program Release 14 for VSE

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RATING SCALE					
very satisfied	<----->	very dissatisfied	not applicable		
1	2 3 4	5	N		

	Satisfaction					
Ease of product installation	1	2	3	4	5	N
Contents of program directory	1	2	3	4	5	N
Installation Verification Programs	1	2	3	4	5	N
Time to install the product	1	2	3	4	5	N
Readability and organization of program directory tasks	1	2	3	4	5	N
Necessity of all installation tasks	1	2	3	4	5	N
Accuracy of the definition of the installation tasks	1	2	3	4	5	N
Technical level of the installation tasks	1	2	3	4	5	N
Ease of getting the system into production after installation	1	2	3	4	5	N

Did you order this product as an independent product or as part of a package?

- Independent
- Package

If this product was ordered as part of a package, what type of package was ordered?

- CustomPac
- FunctionPac
- SystemPac
- System Delivery Offering (SDO)
- Other - Please specify type:

Is this the first time your organization has installed this product?

- Yes

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