



**Program Directory for
Environmental Record Editing and
Printing Program for VM**

Version 3 Release 5.0

Program Number 5654-260

for Use with
z/VM version 7 release 2 and higher

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Note!

Before using this information and the product it supports, be sure to read the general information under "Notices" on page 13.

This program directory, dated September 2020, applies to IBM® Environmental Record Editing and Printing Program Version 3.5 for VM (EREP), Program Number 5654-260.

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1.0 Introduction

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

When you are ready to install EREP, read section 3.2, "Preventive Service Planning" on page 6. This section tells you how to find any updates to the information and procedures in this program directory.

The program directory contains the following sections:

- 2.0, "Program Materials" on page 2 identifies the basic and optional program materials and documentation for EREP.
- 3.0, "Program Support" on page 5 describes the IBM support available for EREP.
- 4.0, "Program and Service Level Information" on page 8 lists the APARs (program level) and PTFs (service level) incorporated into EREP.
- 5.0, "Installation and Migration Requirements and Considerations" on page 10 identifies the resources and considerations for installing, migrating and using EREP.
- 6.0, "Installation Instructions" on page 11 provides detailed installation and customization instructions for EREP.
- 7.0, "Service Instructions" on page 12 provides servicing instructions for EREP.

1.1 Program Description

The Environmental Record Editing and Printing Program (EREP) is a diagnostic aid that provides information needed for the maintenance and maintenance management of computer systems by analyzing and reporting on error data recorded by IBM* operating systems.

2 EREP is no longer shipped pre-installed as of z/VM version 7 release 2. Instead EREP functional
2 executables are pre-installed and delivered as part of the z/VM 7.2 product and serviced through the
2 Control Program (CP) component, simplifying the process for applying EREP service.

Refer to announcement letters for z/VM for information on the EREP service level associated with that release.

Where the information contained in this document differs from previously published information, this document should be considered the latest level.

In this program directory, any reference made to IBM program products is not intended to state or imply that only IBM's program products may be used; any functionally equivalent program may be used instead.

2.0 Program Materials

An IBM program is identified by a program number and a feature code. The program number for EREP is 5654-260.

The following sections identify:

- The basic and optional program materials available with this program

2.1 Basic Machine-Readable Material

2 As of z/VM 7.2.0, Environmental Record Editing and Printing Program Version 3.5 for VM is shipped as
2 part of the Control Program (CP). The executable code is shipped on the MAINT 194 and 493 minidisks
2 as files with filetype STXTLIB. These files are:

- 2 • EREPLIB STXTLIB
- 2 • ERFTRLIB STXTLIB
- 2 • ERPTFLIB STXTLIB

2 During install and upgrade processing, the executable files on the MAINT 493 disk are propagated to the
2 MAINT 193 mindisk with a filetype of TXTLIB. These TXTLIB files are linked by the EREP userid from the
2 MAINT 193 disk as virtual device 201:

```
2 LINK MAINT 193 201 RR
```

2 Since EREP is now part of CP, these are the only executable files required by the EREP userid.

For releases prior to z/VM 7.2, the distribution medium for this program is an electronic envelope delivered on DVD or via the Internet. The electronic envelope contains all the programs and data needed for installation. It is installed using the I5654260 EXEC, however EREP is pre-installed on all releases of z/VM. No additional action is necessary to install this program. Figure 1 describes the file content of the electronic envelope.

Figure 1. Basic Material - Electronic Envelope — File Content

VOLSER	FILE	NAME	NUMBER OF ELEMENTS	OTHER INFORMATION
ER3500	1	I5654260 03500 I5654260 EXEC	2	Product identifier Installation EXEC
ER3500	2	I5654260 MEMO	1	Product memo
ER3500	3	DMSIFC TEXT DMSREA TEXT I5654260 SRVLOG35 5654260J CURLEVEL V5654260 EXEC V5654260 RECORDS CPEREP EXEC EREPLIB TXTLIB ERFTRLIB TXTLIB ERPTFLIB TXTLIB	10	VM/EREP Interface Module VM/EREP Interface Module Service Log VM/EREP current level Verification EXEC Verification data VM/EREP Interface EXEC Executable code

2.2 Optional Machine-Readable Material

There are no optional machine-readable materials for EREP.

2.3 Program Publications

The following sections identify the basic and optional publications for EREP.

2.3.1 Basic Program Publications

The following publication is part of EREP but it is only available as softcopy.

Figure 2. Basic Material: Unlicensed Publications

Publication Title	Form Number
Program Directory for EREP VM V3 R5 M0	G110-8140

The EREP program directory is available in Adobe Portable Document Format (PDF) from the z/VM web page. The URL for this page is:

www.vm.ibm.com/progdir/index.html

2.3.2 Base Program Publications

Figure 3 identifies the base program publications associated with EREP.

Figure 3. Program Publications

Publication Title	Form Number
EREK User's Guide	GC35-0151
EREK Reference Manual	GC35-0152

2.3.3 Softcopy Publications

The EREP publications are supplied softcopy as part of the *IBM Online Library: z/VM Collection* in Portable Document Format (PDF). EREP publications, with the exception of the Program Directory, are also available in the z/VM library in the IBM Knowledge Center web site:

www.vm.ibm.com/library

2.4 Program Source Materials

No program source materials or viewable program listings are provided for EREP.

3.0 Program Support

This section describes the IBM support available for EREP.

3.1 Corrective Services (PTF)

2 Corrective service for EREP will be supplied using normal service procedures, either on DVD or delivered
2 electronically.

2 3.1.1.1 Current EREP Service Application

2 VM service for EREP is shipped as an APAR to the CP component of z/VM. A full-part replacement to
2 the ERPTFLIB STXTLIB file will be shipped in a VM CP PTF. A VM/SES PUT2PROD command will
2 replace the ERPTFLIB STXTLIB file on the MAINT (or MAINT`vrm`) 193 minidisk, linked by the EREP
2 userid as virtual device 201. However, there is a single *manual* step that must be performed before the
2 service is actually put into production. The new ERPTFLIB STXTLIB file must be COPY'd with the
2 REPLACE option as file 'ERPTFLIB TXTLIB'. This must be done from a userid with WRITE link authority
2 to the MAINT 193 (linked by EREP as 201). Backup the previous version of ERPTFLIB TXTLIB before
2 doing the COPY REPLACE process. With WRITE access:

```
2 ACCESS 193 Z (or ACCESS 201 Z)
2 RENAME ERPTFLIB TXTLIB Z ERPTFLIB TXTOLD Z
2 COPYFILE ERPTFLIB STXTLIB Z ERPTFLIB TXTLIB Z (REPLACE
```

2 3.1.1.2 Pre-VM 7.2 EREP Service Application

2 Corrective service must be applied manually for releases prior to z/VM 7.2. The pre-VM 7.2 product files
2 are not in standard VMSES/E format. ERPTFLIB TLBxxxx is shipped with the PTF, where xxxx is the
2 number of the PTF being applied. This file will replace ERPTFLIB TXTLIB on your system. The rest of
2 this section explains how to manually apply this pre-VM 7.2 service.

Electronic service for non-VMSES format products is delivered in one of the following formats:

```
NLSTxxxx.bin and NPTFxxxx.bin
- or -
order_number.SHIPDOCN and order_number.SHIPTFSN
```

The files need to be transferred to VM as BINARY FIXED 1024. DETERSE needs to be run against the electronically delivered files once they are on VM. DETERSE is on the MAINT (or MAINT`vrm`) 5E5 or 5E6 minidisk. Once the file is DETERSEd, the filetype must be SERVLINK.

The following steps will be performed using the service envelope file (SERVLINK) for the NPTFxxxx or SHIPTFSN file in order to apply the corrective service.

1. By default, EREP is installed on the MAINT (or MAINTvrm) 201 minidisk. Log on to MAINT (or MAINTvrm) and back up the critical EREP files before beginning any maintenance activity.
2. Scan the PTF media to identify the highest level text lib. Locate the ERPTFLIB TLBxxxxx file in the service envelope (SERVLINK) using the VMFPLCD command


```
-- For a service envelope where envelope is on the A-disk --

VMFPLCD SCAN * * ENV= envname SERVLINK A (DISK DATE EOD

-- output will be DISK MAP A --
```
3. XEDIT the DISK MAP file created by the SCAN and enter ALL/ERPTFLIB on the command line. Locate the file with the highest numeric suffix string in the filetype following the TLB prefix (TLBxxxxx).
4. Load the highest level ERPTFLIB TLBxxxxx file.


```
-- from an envelope --

VMFPLCD RST ENV= envname SERVLINK A
VMFPLCD LOAD ERPTFLIB TLBxxxxx A ENV= envname SERVLINK A (EOD

-- output will be the ERPTFLIB TLBxxxxx file on A disk
```
5. Copy ERPTFLIB TLBxxxxx to ERPTFLIB TXTLIB with the REPLACE option, where xxxxx is the highest level PTF number. Make sure the previous version is backed up.


```
ACCESS 201 Z
RENAME ERPTFLIB TXTLIB Z ERPTFLIB TLBOLD Z
COPYFILE ERPTFLIB TLBxxxxx A ERPTFLIB TXTLIB Z (REPLACE
```

This completes the application of a 'typical' VM EREP PTF. A 'typical' VM EREP PTF replaces the EREP text lib (TXTLIB). Any other files received with the ERPTFLIB should be ignored. They are included due to packaging rules within the product and operating system. They are NOT needed in order to install EREP maintenance. They are NOT needed for any other component of your system. They should be ignored and should NOT be used by you for any reason. You should manually keep track of the service applied to your system.

3.2 Preventive Service Planning

Note: EREP is pre-installed on all releases of z/VM. No action is necessary to install this program.

3.3 Statement of Support Procedures

- 2 As of z/VM 7.2.0, Environmental Record Editing and Printing Program Version 3.5 for VM, is shipped as
- 2 part of the Control Program (CP) on the MAINT 194 and 493 minidisks as files with filetype STXTLIB.
- 2 During install and upgrade processing, the EREP files on the MAINT 493 disk are propagated to the
- 2 MAINT 193 mindisk with a filetype of STXTLIB and TXTLIB. Environmental Record Editing and Printing
- 2 Program Version 3.5 for VM must still be ordered for entitlement of service.

For releases prior to z/VM 7.2, when you order Environmental Record Editing and Printing Program Version 3.5 for VM, you are entitled to support under the basic warranty for z/VM version 7 release 2 and higher. You should note that the Software Subscription and Support for Environmental Record Editing and Printing Program Version 3.5 for VM is *automatically* added to your order. This provides IBM Z service to which you are likely accustomed. If you do not want the Software Subscription and Support for EREP, then you must take specific action to decline it when ordering EREP. Refer to the applicable z/VM version 7 release 2 and higher software announcement for ordering information.

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 4 identifies the component IDs (COMPID), Retain Release and Field Engineering Service Numbers (FESN) for EREP.

Figure 4. Component IDs

Retain			
FMID	COMPID	Component Name	FESN
EER3500	565426001	EREP VM V3 R5 M0	5426001

4.0 Program and Service Level Information

This section identifies the program and any relevant service levels of EREP. The program level refers to the APAR fixes incorporated into the program. The service level refers to the PTFs shipped with this product. Information about cumulative service is also provided.

4.1 Program Level Information

The following EREP 3.5.0 APARs have been incorporated into this release:

2	VM65704	VM65952	VM58564	VM54995	VM46556	VM47311
2	VM47331	VM47357	VM47648	VM47213	VM48125	VM48552
2	VM49086	VM49249	VM49390	VM49684	VM52890	VM53051
2	VM53063	VM49852	VM50574	VM50780	VM50827	VM51017
2	VM51440	VM51525	VM51902	VM52009	VM52113	VM52125
2	VM52244	VM52483	VM52504	VM52535	VM53368	VM53985
2	VM54221	VM54504	VM54531	VM55316	VM55335	VM55354
2	VM54103	VM55564	VM55711	VM56311	VM56421	VM56525
2	VM56802	VM57343	VM57963	VM58171	VM58348	VM58447
2	VM58831	VM58834	VM58963	VM59009	VM59400	VM59568
2	VM59603	VM59632	VM59793	VM59998	VM60048	VM60110
2	VM60326	VM60562	VM60871	VM60737	VM60757	VM60764
2	VM60805	VM61010	VM61254	VM61305	VM61179	VM61296
2	VM61348	VM61579	VM61394	VM61462	VM61738	VM61801
2	VM61815	VM61870	VM61952	VM62001	VM62129	VM62202
2	VM62235	VM62260	VM62299	VM62388	VM62403	VM62454
2	VM62552	VM62617	VM62693	VM62796	VM62797	VM62875
2	VM63018	VM65495	VM64509	VM62523	VM63901	VM63946
2	VM62525	VM62526	VM64074	VM64091	VM64106	VM64107
2	VM64109	VM64178	VM64290	VM64367	VM64475	VM64493
2	VM64512	VM64807	VM64837	VM64839	VM64928	VM65110
2	VM65113	VM65130	VM65279	VM63065	VM63069	VM63118
2	VM63178	VM63297	VM63298	VM63299	VM63495	VM63622
2	VM63624	VM63663	VM63711	VM63714	VM63743	VM63826
2	VM63829	VM63839				

4.2 Service Level Information

The following PTFs, listed by ID, have been integrated into EREP.

Before you configure Environmental Record Editing and Printing Program Version 3.5 for VM, you should verify you have the the latest service.

4.3 Cumulative Service

A cumulative service envelope might be included with this program. This envelope contains PTFs not incorporated into this program.

5.0 Installation and Migration Requirements and Considerations

The following sections identify the system requirements for installing and activating EREP.

5.1 Hardware Requirements

There are no special hardware requirements for EREP.

5.2 Program Considerations

The following sections list the programming considerations for EREP.

5.2.1 Operating System Requirements

EREP VM V3 R5 M0 supports all available releases of the z/VM operating system.

5.2.2 Other Program Product Requirements

No other products are required for EREP.

5.3 DASD Storage and User ID Requirements

2 EREP is pre-installed as part of the Control Program (CP) component and there are no additional space or
2 storage requirements.

6.0 Installation Instructions

2 EREP is no longer pre-installed with z/VM 7.2. Instead EREP functional executables are pre-installed and
2 delivered as part of the z/VM 7.2 product and serviced through the Control Program (CP) component,
2 simplifying the process for applying EREP service. The files used by the EREP userid are located on the
2 MAINT 193 disk, and MAINT720 493 minidisks

2 For releases prior to z/VM 7.2, the files for EREP are located on the MAINT (or MAINTvrm) 201 disk.

Please refer to section 3.1, "Corrective Services (PTF)" on page 5 for instructions on installing service for EREP.

6.1 Activating the Function of EREP

See *EREP User's Guide and Reference*.

7.0 Service Instructions

Please refer to section 3.1, "Corrective Services (PTF)" on page 5 for instructions on installing service for EREP.

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