



**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 6 and higher

Document Date: November 2017

GI10-8140-02

**Note!**

Before using this information and the product it supports, be sure to read the general information under “Notices” on page 12.

This program directory, dated November 2017, applies to IBM® Environmental Record Editing and Printing Program Version 3 for VM (EREP), Program Number 5654-260.

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# Contents

<b>1.0 Introduction</b>	1
1.1 Program Description	1
<b>2.0 Program Materials</b>	2
2.1 Basic Machine-Readable Material	2
2.2 Optional Machine-Readable Material	2
2.3 Program Publications	3
2.3.1 Basic Program Publications	3
2.3.2 Base Program Publications	3
2.3.3 Softcopy Publications	3
2.4 Program Source Materials	3
<b>3.0 Program Support</b>	4
3.1 Corrective Services (PTF)	4
3.1.1.1 EREP Service Application	4
3.2 Preventive Service Planning	5
3.3 Statement of Support Procedures	5
<b>4.0 Program and Service Level Information</b>	7
4.1 Program Level Information	7
4.2 Service Level Information	8
4.3 Cumulative Service	8
<b>5.0 Installation and Migration Requirements and Considerations</b>	9
5.1 Hardware Requirements	9
5.2 Program Considerations	9
5.2.1 Operating System Requirements	9
5.2.2 Other Program Product Requirements	9
5.3 DASD Storage and User ID Requirements	9
<b>6.0 Installation Instructions</b>	10
6.1 Activating the Function of EREP	10
<b>7.0 Service Instructions</b>	11
<b>Notices</b>	12
Privacy Policy Consideration	13
Trademarks	13
<b>Reader's Comments</b>	16

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## Figures

1. Basic Material - Electronic Envelope — File Content . . . . .	2
2. Basic Material: Unlicensed Publications . . . . .	3
3. Program Publications . . . . .	3
4. PSP Upgrade and Subset ID . . . . .	5
5. Component IDs . . . . .	6

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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 5. 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 4 describes the IBM support available for EREP.
- 4.0, "Program and Service Level Information" on page 7 lists the APARs (program level) and PTFs (service level) incorporated into EREP.
- 5.0, "Installation and Migration Requirements and Considerations" on page 9 identifies the resources and considerations for installing, migrating and using EREP.
- 6.0, "Installation Instructions" on page 10 provides detailed installation and customization instructions for EREP.
- 7.0, "Service Instructions" on page 11 provides servicing instructions for EREP.

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## 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.

EREP Version 3 Release 5 is a replacement for EREP Version 3 Release 4 and all its features. Additional product support has been included for 3390, ESCON Record, and I/O timer Record.

EREP is shipped pre-installed on all versions and releases of z/VM. 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 program announcement material describes the features supported by EREP. Ask your IBM marketing representative for this information if you have not already received a copy.

The following sections identify:

- The basic and optional program materials available with this program

---

### 2.1 Basic Machine-Readable Material

The distribution medium for this program is 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*

<b>VOLSER</b>	<b>FILE</b>	<b>NAME</b>	<b>NUMBER OF ELEMENTS</b>	<b>OTHER INFORMATION</b>
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 your order for EREP but it is only available as softcopy.

*Figure 2. Basic Material: Unlicensed Publications*

<b>Publication Title</b>	<b>Form Number</b>
Program Directory for EREP VM V3 R5 M0	GI10-8140

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

[www.vm.ibm.com/library](http://www.vm.ibm.com/library)

### 2.3.2 Base Program Publications

Figure 3 identifies the base program publications associated with EREP.

*Figure 3. Program Publications*

<b>Publication Title</b>	<b>Form Number</b>
EREP User's Guide	GC35-0151
EREP 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 BookManager® and Adobe® 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:

[https://www.ibm.com/support/knowledgecenter/SSB27U\\_6.4.0/com.ibm.zvm.v640.zvmerep/zvmerep.htm](https://www.ibm.com/support/knowledgecenter/SSB27U_6.4.0/com.ibm.zvm.v640.zvmerep/zvmerep.htm)

---

## 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)

#### 3.1.1.1 EREP Service Application

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

Corrective service must be applied manually for EREP because it is not in the standard VMSES/E format. ERPTFLIB TLBxxxx is shipped with the PTF, where xxxx is the number of the PTF being applied. This file will replace ERPTFLIB TXTLIB on your system.

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 MAINTvrm) 5E5 or 5E6 minidisk. Once the file is DETERSEd, the file type 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 TLBxxxx 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 (TLBxxxx).
4. Load the highest level ERPTFLIB TLBxxxx 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.**

Before installing EREP, check with your IBM Support Center or use IBMLink™ (ServiceLink) to see whether there is additional Preventive Service Planning (PSP) information. To obtain this information, specify the following UPGRADE and SUBSET values:

Figure 4. PSP Upgrade and Subset ID

---

Retain				
COMPID	Release	Upgrade	Subset	Description
565426001	350	EREP350	VMEREP/350	Install and service information

---

## 3.3 Statement of Support Procedures

When you order Environmental Record Editing and Printing Program Version 3 for VM, you are entitled to support under the basic warranty for z/VM version 6 and higher. You should note that the Software Subscription and Support for Environmental Record Editing and Printing Program Version 3 for VM is *automatically* added to your order. This provides zSeries® 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 6 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 5 identifies the component IDs (COMPID), Retain Release and Field Engineering Service Numbers (FESN) for EREP.

*Figure 5. Component IDs*

---

<b>Retain</b>			
<b>FMID</b>	<b>COMPID</b>	<b>Component Name</b>	<b>FESN</b>
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 APAR fixes against EREP VM V3 R5 M0 have been incorporated into this release:

VM36902	VM36903	VM36907	VM37286	VM37286	VM37367
VM37581	VM37736	VM38038	VM38038	VM38145	VM38145
VM38727	VM38727	VM38779	VM38779	VM38787	VM38793
VM38793	VM38878	VM38878	VM38884	VM39133	VM39133
VM39268	VM39268	VM39287	VM39287	VM39327	VM39327
VM39472	VM39472	VM39654	VM39654	VM39655	VM39674
VM39677	VM39677	VM39827	VM39827	VM40118	VM40118
VM40220	VM40539	VM40539	VM40542	VM40542	VM40694
VM40694	VM40772	VM40772	VM41069	VM41098	VM41100
VM41100	VM41133	VM41133	VM41183	VM41183	VM41275
VM41275	VM41276	VM41276	VM41291	VM41291	VM41348
VM41348	VM41399	VM41399	VM41405	VM41405	VM41445
VM41509	VM41516	VM41516	VM41581	VM41581	VM41606
VM41606	VM41645	VM41645	VM42055	VM42055	VM42074
VM42098	VM42152	VM42152	VM42234	VM42234	VM42295
VM42474	VM42474	VM42717	VM42717	VM42740	VM42740
VM42909	VM43146	VM43146	VM43248	VM43248	VM43793
VM43793	VM44020	VM44020	VM44020	VM44091	VM44091
VM44091	VM44148	VM44176	VM44176	VM44176	VM44179
VM44179	VM44179	VM44249	VM44249	VM44249	VM44486
VM44607	VM44607	VM44607	VM45169	VM45169	VM45225
VM45312	VM45490	VM45490	VM45799	VM45799	VM45799
VM46150	VM46150	VM46150			

---

## 4.2 Service Level Information

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

UV43184	UV43184	UV43184	UV45852	UV45853	UV43184
UV43184	UV43991	UV45722	UV45723	UV45722	UV45723
UV45722	UV45723	UV45722	UV45722	UV45723	UV46026
UV46027	UV45873	UV45877	UV45853	UV46127	UV46128
UV48092	UV48093	UV46346	UV46347	UV46942	UV46943
UV47103	UV47104	UV48878	UV48879	UV48879	UV48878
UV48878	UV48879	UV90537	UV90538	UV48007	UV48008
UV48463	UV48637	UV48638	UV49344	UV49345	UV48808
UV48809	UV48878	UV48879	UV49083	UV49117	UV49170
UV49171	UV49240	UV49241	UV49249	UV49250	UV49261
UV49262	UV49294	UV49295	UV49263	UV49264	UV49354
UV49355	UV49361	UV49362	UV49381	UV49382	UV49407
UV49452	UV49467	UV49468	UV49598	UV49599	UV90559
UV90560	UV49626	UV49627	UV49915	UV49916	UV49948
UV49868	UV49962	UV49963	UV50055	UV50054	UV50070
UV50224	UV50225	UV50714	UV50715	UV50472	UV50473
UV50955	UV50795	UV50796	UV50881	UV50882	UV51199
UV51200	UV51439	UV51440	UV51441	UV51462	UV51463
UV51464	UV51491	UV51508	UV51509	UV51510	UV51559
UV51560	UV51561	UV90637	UV51805	UV51806	UV51807
UV52109	UV52110	UV52202	UV52214	UV52258	UV52259
UV52698	UV52699	UV52700			

---

## 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.

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

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### 5.1 Hardware Requirements

There are no special hardware requirements for EREP.

---

### 5.2 Program Considerations

The following sections list the programming considerations for installing and activating 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.

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### 5.3 DASD Storage and User ID Requirements

EREP is pre-installed on all releases of z/VM. There are no additional space or storage requirements.

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## 6.0 Installation Instructions

EREP is pre-installed on all releases of z/VM. The files for EREP are located on the MAINT (or MAINT $vrm$ ) 201 disk.

Please refer to section 3.1, “Corrective Services (PTF)” on page 4 for instructions on installing service for EREP.

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### 6.1 Activating the Function of EREP

See *EREP User's Guide and Reference*.

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## **7.0 Service Instructions**

Please refer to section 3.1, "Corrective Services (PTF)" on page 4 for instructions on installing service for EREP.

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<b>very satisfied</b>					<b>very dissatisfied</b>	<b>not applicable</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>N</b>	

	Satisfaction					
Ease of product installation	1	2	3	4	5	N
Time required to install the product	1	2	3	4	5	N
Contents of program directory	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
Installation verification procedure	1	2	3	4	5	N
Ease of customizing the product	1	2	3	4	5	N
Ease of migrating the product from a previous release	1	2	3	4	5	N
Ease of putting the system into production after installation	1	2	3	4	5	N
Ease of installing service	1	2	3	4	5	N

Please provide the following contact information:

\_\_\_\_\_  
Name and Job Title

\_\_\_\_\_  
Organization

\_\_\_\_\_  
Address

\_\_\_\_\_  
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