



**Program Directory for
IBM Application Recovery Tool
for IMS and DB2 Databases**

Release 02, Modification Level 00

Program Number 5697-F56

FMID H1CT120

for Use with
z/OS

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GI10-8333-01

Note!

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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 Application Recovery Tool for IMS and DB2 Databases. This publication refers to Application Recovery Tool for IMS and DB2 Databases as Application Recovery Tool. 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 Application Recovery Tool.
- 3.0, “Program Support” on page 6 describes the IBM support available for Application Recovery Tool.
- 4.0, “Program and Service Level Information” on page 8 lists the APARs (program level) and PTFs (service level) incorporated into Application Recovery Tool.
- 5.0, “Installation Requirements and Considerations” on page 9 identifies the resources and considerations for installing and using Application Recovery Tool.
- 6.0, “Installation Instructions” on page 14 provides detailed installation instructions for Application Recovery Tool. It also describes the procedures for activating the functions of Application Recovery Tool, or refers to appropriate publications.

Before installing Application Recovery Tool, read 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.

Do not use this program directory if you are installing Application Recovery Tool with a SystemPac or ServerPac. When using these offerings, use the jobs and documentation supplied with the offering. This documentation may point you to specific sections of the program directory as required.

If you are installing Application Recovery Tool using the Custom-Built Product Delivery Offering (CBPDO, 5751-CS3), a softcopy program directory is provided on the CBPDO tape which is identical to the printed copy shipped with your order. Your CBPDO contains a softcopy preventive service planning (PSP) upgrade for this product. All service and HOLDDATA for Application Recovery Tool are included on the CBPDO tape.

1.1 Application Recovery Tool Description

Application Recovery Tool for IMS and DB2 Databases is the new name of **DB2 Recovery Manager for z/OS**. The new name better describes the functions of the product and makes it clear that services are provided both for IMS and DB2 applications.

The corresponding Subscription and Support product is also renamed. Application Recovery Tool for IMS

and DB2 Databases Subscription and Support is the new name of DB2 Recovery Manager Subscription and Support.

Application Recovery Tool for IMS and DB2 Databases, V1.2 provides a roll up of service plus enhancements for DB2 and IMS applications.

- Enhancements for DB2 applications:
 - DB2 V7 is supported.
 - Index copies and objects with the DEFINE NO option introduced in DB2 V6.1 are supported.
 - The parameter list IX has been added to the DRMFIC and DRMRECOV functions.
 - The parameter RECOVIX has been added to the DRMRECOV function.
 - The parameter IXALL (Y/N) has also been added to the DRMFIC function.
- Enhancement for IMS applications:
 - The High Availability Large Databases (HALDB) of IMS V7 are supported. The parameter HALDB (Y/N) has been added to all IMS related functions.
 - IMS SYSPLEX data sharing is supported. The new member IMSDSGS has been added to the parmlib.

1.2 Application Recovery Tool FMIDs

Application Recovery Tool consists of the following FMIDs:

H1CT120

2.0 Program Materials

An IBM program is identified by a program number and a feature number. The program number for Application Recovery Tool is 5697-F56.

Basic Machine-Readable Materials are materials that are supplied under the base license and feature code, and are required for the use of the product. Optional Machine-Readable Materials are orderable under separate feature codes, and are not required for the product to function.

The program announcement material describes the features supported by Application Recovery Tool. Ask your IBM representative for this information if you have not already received a copy.

2.1 Basic Machine-Readable Material

The distribution medium for this program is magnetic tape or downloadable files. It is installed using SMP/E, and is in SMP/E RELFILE format. See 6.0, "Installation Instructions" on page 14 for more information about how to install the program.

Figure 1 describes the physical tape. Figure 2 describes the file content.

Notes:

1. The data set attributes in these tables should be used in the JCL of jobs reading the data sets, but since the data sets are in IEBCOPY unloaded format, their actual attributes may be different.
2. You are installing Application Recovery Tool using the Custom-Built Product Delivery Offering (CBPDO) (5751-CS3). Information about your tape may be found in the CBPDO documentation that came with your order. Additionally, some of the information in the figures may not be valid. Consult the CBPDO documentation for actual values.
3. If any RELFILEs are identified as PDSEs, ensure that SMPTLIB data sets are allocated as PDSEs.

| <i>Figure 1. Basic Material: Program Tape</i> | | |
|---|---------------------------|--------------|
| Feature Number | Description | R/M * |
| 5802 | Application Recovery Tool | N |

* R/M = Restricted Materials of IBM

Figure 2. Program File Content

| Name | ORG | FORM | RECL | BLK SIZE |
|----------------|-----|------|------|----------|
| SMPMCS | SEQ | FB | 80 | 6400 |
| IBM.H1CT120.F1 | PDS | FB | 80 | 8800 |
| IBM.H1CT120.F2 | PDS | FB | 80 | 8800 |
| IBM.H1CT120.F3 | PDS | U | 0 | 6144 |
| IBM.H1CT120.F4 | PDS | FB | 80 | 8800 |

2.2 Optional Machine-Readable Material

No optional machine-readable materials are provided for Application Recovery Tool.

2.3 Program Publications

The following sections identify the basic and optional publications for Application Recovery Tool.

2.3.1 Basic Program Publications

Figure 3 identifies the basic unlicensed program publications for Application Recovery Tool. One copy of each of these publications is included when you order the basic materials for Application Recovery Tool. For additional copies, contact your IBM representative.

Figure 3. Basic Material: Unlicensed Publications

| Publication Title | Form Number |
|---|-------------|
| Application Recovery Tool License Information | GC27-0981 |

Figure 4 identifies the basic unlicensed or licensed publications that are not available hardcopy, but are available through the internet or other media for Application Recovery Tool.

Figure 4. Basic Material: Other Unlicensed or Licensed Publications

| Publication Title | Form Number | How Available |
|--|-------------|---|
| Application Recovery Tool for IMS and DB2 Databases User's Guide | SC27-0980 | http://www.ibm.com/software/data/db2imstools/library.html |

Publications on CD-ROM for Application Recovery Tool will be available on the next release of software product libraries:

- OS/390 Software Products Collection, SK2T-6700, BookManager format
- z/OS Software Products Collection, SK3T-4270, BookManager and PDF formats

2.3.2 Optional Program Publications

No optional publications are provided for Application Recovery Tool.

2.4 Program Source Materials

No program source materials or viewable program listings are provided for Application Recovery Tool.

2.5 Publications Useful During Installation

The publications listed in Figure 5 may be useful during the installation of Application Recovery Tool. To order copies, contact your IBM representative or visit the IBM Publications Center at

<http://www.elink.ibm.link.ibm.com/applications/public/applications/publications/cgibin/pbi.cgi>

on the Internet.

| Publication Title | Form Number |
|---|--------------------|
| <i>IBM SMP/E for z/OS and OS/390 User's Guide</i> | SA22-7773 |
| <i>IBM SMP/E for z/OS and OS/390 Commands</i> | SA22-7771 |
| <i>IBM SMP/E for z/OS and OS/390 Reference</i> | SA22-7772 |
| <i>IBM SMP/E for z/OS and OS/390 Messages, Codes, and Diagnosis</i> | GA22-7770 |

3.0 Program Support

This section describes the IBM support available for Application Recovery Tool.

3.1 Program Services

Contact your IBM representative for specific information about available program services.

3.2 Preventive Service Planning

Before installing Application Recovery Tool, you should review the current Preventive Service Planning (PSP) information. If you obtained Application Recovery Tool as part of a CBPDO, there is HOLDDATA and PSP information included on the CBPDO.

If you obtained Application Recovery Tool on a product tape, or if the CBPDO is more than two weeks old when you install it, you should contact the IBM Support Center or use S/390 SoftwareXcel to obtain the current "PSP Bucket".

For access to RETAIN, visit <http://www.ibm.link.ibm.com/> on the Internet.

PSP Buckets are identified by UPGRADEs, which specify product levels, and SUBSETs, which specify the FMIDs for a product level. The UPGRADE and SUBSET values for Application Recovery Tool are:

| UPGRADE | SUBSET | Description |
|----------------|---------------|---------------------------|
| 5697F56 | H1CT120 | Application Recovery Tool |

For additional Service related information, visit
<http://www.ibm.com/software/data/db2imstools/support.html>

3.3 Statement of Support Procedures

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 7 identifies the component IDs (COMPID) for Application Recovery Tool.

Figure 7. Component IDs

| FMID | COMPID | Component Name | RETAIN Release |
|-------------|---------------|-----------------------|-----------------------|
| H1CT120 | 5697F5600 | Appl Recovery Tool | 120 |

4.0 Program and Service Level Information

This section identifies the program and any relevant service levels of Application Recovery Tool. The program level refers to the APAR fixes incorporated into the program. The service level refers to the PTFs integrated.

4.1 Program Level Information

The following APAR fixes against previous releases of Application Recovery Tool have been incorporated into this release. They are listed by FMID.

- FMID H1CT120

UQ67760

UQ56604

4.2 Service Level Information

No PTFs against this release of Application Recovery Tool have been incorporated into the product tape.

5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing and activating Application Recovery Tool. The following terminology is used:

- *Driving system*: the system used to install the program.
- *Target system*: the system on which the program is installed.

In many cases, the same system can be used as both a driving system and a target system. However, you may want to set up a clone of your system to use as a target system by making a separate IPL-able copy of the running system. The clone should include copies of all system libraries that SMP/E updates, copies of the SMP/E CSI data sets that describe the system libraries, and your PARMLIB and PROCLIB.

Some cases where two systems should be used include the following:

- When installing a new level of a product that is already installed, the new product will delete the old one. By installing onto a separate target system, you can test the new product while still keeping the old one in production.
- When installing a product that shares libraries or load modules with other products, the installation can disrupt the other products. Installing onto a test system or clone will allow you to assess these impacts without disrupting your production system.

5.1 Driving System Requirements

This section describes the environment of the driving system required to install Application Recovery Tool.

5.1.1 Machine Requirements

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

5.1.2 Programming Requirements

| <i>Figure 8. Driving System Software Requirements</i> | |
|---|---|
| Program Number | Product Name and Minimum VRM/Service Level |
| Any one of the following: | |
| 5647-A01 | OS/390 Version 2 Release 08 or higher (includes SMP/E) |
| 5694-A01 | z/OS Version 1 Release 1 or higher (includes SMP/E) |
| 5655-G44 | IBM SMP/E for z/OS and OS/390 Version 3 Release 1 or higher |

5.2 Target System Requirements

This section describes the environment of the target system required to install and use Application Recovery Tool.

Application Recovery Tool installs in the DBS (P115) SREL.

5.2.1 Machine Requirements

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

5.2.2 Programming Requirements

5.2.2.1 Mandatory Requisites: A mandatory requisite is defined as a product that is required without exception; this product either **will not install** or **will not function** unless this requisite is met. This includes products that are specified as REQs or PREs.

Figure 9. Mandatory Requisites

| Program Number | Product Name and Minimum VRM/Service Level |
|----------------------------------|--|
| Any one of the following: | |
| 5655-158 | IMS Version 6 |
| 5655-B01 | IMS Version 7 |
| Any one of the following: | |
| 5645-DB2 | DB2 Version 6 |
| 5675-DB2 | DB2 Version 7 |

5.2.2.2 Functional Requisites: A functional requisite is defined as a product that is **not** required for the successful installation of this product or for the basic function of the product, but **is** needed at run time for a specific function of this product to work. This includes products that are specified as IF REQs.

Application Recovery Tool has no functional requisites.

5.2.2.3 Toleration/Coexistence Requisites: A toleration/coexistence requisite is defined as a product which must be present on a sharing system. These systems can be other systems in a multisystem environment (not necessarily sysplex), a shared DASD environment (such as test and production), or systems that reuse the same DASD at different time intervals.

Application Recovery Tool has no toleration/coexistence requisites.

5.2.2.4 Incompatibility (Negative) Requisites: A negative requisite identifies products which must *not* be installed on the same system as this product.

Application Recovery Tool has no negative requisites.

5.2.3 DASD Storage Requirements

Application Recovery Tool libraries can reside on all supported DASD types.

Figure 10 lists the total space required for each type of library.

| Library Type | Total Space Required |
|--------------|----------------------|
| Target | 1920 blocks |
| Distribution | 1920 blocks |

Notes:

1. IBM recommends use of system determined block sizes for efficient DASD utilization for all non-RECFM U data sets. For RECFM U data sets, IBM recommends a block size of 32760, which is the most efficient from a performance and DASD utilization perspective.
2. Abbreviations used for the data set type are:
 - U** Unique data set, allocated by this product and used only by this product. To determine the correct storage needed for this data set, this table provides all required information; no other tables (or program directories) need to be referenced for the data set size.
 - S** Shared data set, allocated by this product and used by this product and others. To determine the correct storage needed for this data set, the storage size given in this table needs to be added to other tables (perhaps in other program directories). If the data set already exists, it must have enough free space to accommodate the storage size given in this table.
 - E** Existing shared data set, used by this product and others. This data set is NOT allocated by this product. To determine the correct storage needed for this data set, the storage size given in this table needs to be added to other tables (perhaps in other program directories). This existing data set must have enough free space to accommodate the storage size given in this table.

If you currently have a previous release of this product installed in these libraries, the installation of this release will delete the old one and reclaim the space used by the old release and any service that had been installed. You can determine whether or not these libraries have enough space by deleting the old release with a dummy function, compressing the libraries, and comparing the space requirements with the free space in the libraries.

For more information on the names and sizes of the required data sets, please refer to 6.1.7, "Allocate SMP/E Target and Distribution Libraries" on page 17.

3. All target and distribution libraries listed have the following attributes:
 - The default name of the data set may be changed
 - The default block size of the data set may be changed
 - The data set may be merged with another data set that has equivalent characteristics
 - The data set may be either a PDS or a PDSE
4. All target libraries listed have the following attributes:
 - The data set may be SMS managed
 - It is not required for the data set to be SMS managed
 - It is not required for the data set to reside on the IPL volume
 - The values in the "Member Type" column are not necessarily the actual SMP/E element types identified in the SMPMCS.
5. All target libraries listed which contain load modules have the following attributes:
 - The data set may be in the LPA
 - It is not required for the data set to be in the LPA
 - The data set may be in the LNKLST
 - It is not required for the data set to be APF authorized

The following figures describe the target and distribution libraries. required to install Application Recovery Tool. The storage requirements of Application Recovery Tool must be added to the storage required by other programs having data in the same library.

Note: The data in these tables should be used when determining which libraries can be merged into common data sets. In addition, since some ALIAS names may not be unique, ensure that no naming conflicts will be introduced before merging libraries.

Figure 11. Storage Requirements for Application Recovery Tool Target Libraries

| Library DDNAME | Member Type | Target Volume | T Y P E | O R G | R E C O M M | L R E C L | No. of 3390 Trks | No. of DIR Blks |
|-------------------|----------------|------------------|------------------|-------------|----------------------------|-----------------------|---------------------------|--------------------------|
| SDRMBASE | Sample | any | U | PDS | FB | 80 | 4 | 5 |
| SDRMLOAD | LMOD | any | U | PDS | U | 0 | 188 | 20 |
| SDRM Parm | Data | any | U | PDS | FB | 80 | 68 | 25 |

Figure 12 (Page 1 of 2). Storage Requirements for Application Recovery Tool Distribution Libraries

| Library DDNAME | T Y P E | O R G | R E C O M M | L R E C L | No. of 3390 Trks | No. of DIR Blks |
|-------------------|------------------|-------------|----------------------------|-----------------------|---------------------------|--------------------------|
| ADRMBASE | U | PDS | FB | 80 | 4 | 5 |

Figure 12 (Page 2 of 2). Storage Requirements for Application Recovery Tool Distribution Libraries

| Library DDNAME | T Y P E | O R G | R E C F M | L R E C L | No. of 3390 Trks | No. of DIR Blks |
|-------------------|------------------|-------------|-----------------------|-----------------------|---------------------------|--------------------------|
| ADRMLOAD | U | PDS | U | 0 | 188 | 20 |
| ADRMPARM | U | PDS | FB | 80 | 68 | 25 |

5.3 FMIDs Deleted

Installing Application Recovery Tool may result in the deletion of other FMIDs. To see what FMIDs will be deleted, examine the ++VER statement in the product's SMPMCS.

If you do not wish to delete these FMIDs at this time, you must install Application Recovery Tool into separate SMP/E target and distribution zones.

Note: These FMIDs will not automatically be deleted from the Global Zone. Consult the SMP/E manuals for instructions on how to do this.

5.4 Special Considerations

Application Recovery Tool has no special considerations for the target system.

6.0 Installation Instructions

This chapter describes the installation method and the step-by-step procedures to install and to activate the functions of Application Recovery Tool.

Please note the following:

- If you want to install Application Recovery Tool into its own SMP/E environment, consult the SMP/E manuals for instructions on creating and initializing the SMPCSI and the SMP/E control data sets.
- Sample jobs have been provided to help perform some or all of the installation tasks. The SMP/E jobs assume that all DDDEF entries required for SMP/E execution have been defined in the appropriate zones.
- The SMP/E dialogs may be used instead of the sample jobs to accomplish the SMP/E installation steps.

6.1 Installing Application Recovery Tool

6.1.1 SMP/E Considerations for Installing Application Recovery Tool

This release of Application Recovery Tool is installed using the SMP/E RECEIVE, APPLY, and ACCEPT commands. The SMP/E dialogs may be used to accomplish the SMP/E installation steps.

6.1.2 SMP/E Options Subentry Values

The recommended values for some SMP/E CSI subentries are shown in Figure 13. Use of values lower than these may result in failures in the installation process. DSSPACE is a subentry in the GLOBAL options entry. PEMAX is a subentry of the GENERAL entry in the GLOBAL options entry. Refer to the SMP/E manuals for instructions on updating the global zone.

Figure 13. SMP/E Options Subentry Values

| SUB-ENTRY | Value | Comment |
|-----------|---------------|---|
| DSSPACE | (200,200,500) | 3390 DASD tracks |
| PEMAX | SMP/E Default | IBM recommends using the SMP/E default for PEMAX. |

6.1.3 Sample Jobs

The following sample installation jobs are provided as part of the product to help you install Application Recovery Tool:

Figure 14. Sample Installation Jobs

| Job Name | Job Type | Description | RELFILE |
|----------|----------|--|----------------|
| DRMALA | SMP/E | Sample job to allocate and initialize a new SMP/E CSI data set (Optional) | IBM.H1CT120.F2 |
| DRMALB | SMP/E | Sample job to allocate SMP/E data sets (Optional) | IBM.H1CT120.F2 |
| DRMRECEV | RECEIVE | Sample RECEIVE job | IBM.H1CT120.F2 |
| DRMALLOC | ALLOCATE | Sample job to allocate target and distribution libraries | IBM.H1CT120.F2 |
| DRMDDDEF | DDDEF | Sample job to define SMP/E DDDEFs | IBM.H1CT120.F2 |
| DRMAPPLY | APPLY | Sample APPLY job | IBM.H1CT120.F2 |
| DRMACCEP | ACCEPT | Sample ACCEPT job | IBM.H1CT120.F2 |

You may copy the jobs from the tape or product files by submitting the job below. Use either the //TAPEIN or the //FILEIN DD statement, depending on the distribution vehicle.

The job below will not run without customization. Make one of the three commented DD statements (//TAPEIN or //FILEIN DD) in the sample job below active by uncommenting one DD statement filling in parameters as required. Add a job card and change the lowercase parameters to uppercase values to meet your site's requirements before submitting.

```
//STEP1 EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=*
//*****
/* If you wish to create a new global zone do not run the      *
/* RCVPDO job supplied with CBPDO. RCVPDO assumes that      *
/* you will be installing into an existing global zone.      *
/* Make the //TAPEIN DD statement below active if you install*
/* from a CBPDO tape by uncommenting the DD statement below. *
//*****
/**TAPEIN DD DSN=IBM.H1CT120.F2,UNIT=tunit,
/*          VOL=SER=volser,LABEL=(X,SL),
/*          DISP=(OLD,KEEP)
//*****
/* Make the //TAPEIN DD statement below active if you install*
/* from a product tape received outside the CBPDO process   *
/* (using the optional SMP/E RECEIVE job) by uncommenting    *
/* the DD statement below.                                   *
//*****
/**TAPEIN DD DSN=IBM.H1CT120.F2,UNIT=tunit,
/*          VOL=SER=1CT120,LABEL=(3,SL),
/*          DISP=(OLD,KEEP)
//*****
/* Make the //FILEIN DD statement below active for           *
/* downloaded DASD files.                                   *
//*****
```

```

//*FILEIN DD DSN=IBM.H1CT120.F2,UNIT=SYSALLDA,DISP=SHR,
//*      VOL=SER=filevol
//OUT DD DSNAME=jcl-library-name,
//      DISP=(NEW,CATLG,DELETE),
//      VOL=SER=dasdvol,UNIT=SYSALLDA,
//      SPACE=(TRK,(15,10,5))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
        COPY INDD=indd,OUTDD=OUT
/*

```

where **tunit** is the unit value matching the product tape, **volser** is the volume serial which is described in the CBPDO documentation, **X** is the tape file number where the data set name is on the CBPDO tape (refer to the documentation provided by CBPDO to see where IBM.H1CT120.F2 is located on the CBPDO tape), **filevol** is the volume serial of the DASD device where the downloaded files reside, **jcl-library-name** is the name of the output data set where the sample jobs will be stored, **dasdvol** is the volume serial of the DASD device where the output data set will reside, and **indd** is either TAPEIN or FILEIN depending on your input DD statement.

6.1.4 Allocate SMP/E CSI (Optional)

If you are using an existing CSI, do not execute this job.

If you are allocating a new SMP/E data set for this install, edit, and submit sample job DRMALA to allocate the SMP/E data set for Application Recovery Tool.

Expected Return Codes and Messages: You will receive a return code of 0 if this job runs correctly.

6.1.5 Initialize CSI zones (Optional)

Edit and submit sample job DRMALB to initialize SMP/E zones for Application Recovery Tool. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: You will receive a return code of 0 if this job runs correctly.

6.1.6 Perform SMP/E RECEIVE

NOTE: If you obtained Application Recovery Tool as part of a CBPDO, use the RCVPDO job found in the CBPDO RIMLIB data set to RECEIVE the Application Recovery Tool FMIDs as well as any service, HOLDDATA, or preventive service planning (PSP) information included on the CBPDO tape. For more information, refer to the documentation included with the CBPDO.

Edit and submit sample job DRMRECEV to perform the SMP/E RECEIVE for Application Recovery Tool. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: You will receive a return code 0 if this job runs correctly.

6.1.7 Allocate SMP/E Target and Distribution Libraries

Edit and submit sample job DRMALLOC to allocate the SMP/E target and distribution libraries for Application Recovery Tool. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: You will receive a return code 0 if this job runs correctly.

6.1.8 Create DDDEF Entries

Edit and submit sample job DRMDDDEF to create DDDEF entries for the SMP/E target and distribution libraries for Application Recovery Tool. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: You will receive a return code 0 if this job runs correctly.

6.1.9 Perform SMP/E APPLY

Edit and submit sample job DRMAPPLY to perform an SMP/E APPLY CHECK for Application Recovery Tool. Consult the instructions in the sample job for more information.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do *not* bypass the following on the APPLY CHECK: PRE, ID, REQ, and IFREQ. This is because the SMP/E root cause analysis identifies the cause only of **ERRORS** and not of **WARNINGS** (SYSMODs that are bypassed are treated as warnings, not errors, by SMP/E).

Once you have taken any actions indicated by the APPLY CHECK, remove the CHECK operand and run the job again to perform the APPLY.

Note: The GROUPEXTEND operand indicates that SMP/E apply all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

Expected Return Codes and Messages from APPLY CHECK: You will receive a return code 0 if this job runs correctly.

Expected Return Codes and Messages from APPLY: You will receive a return code 0 if this job runs correctly.

6.1.10 Perform SMP/E ACCEPT

Edit and submit sample job DRMACCEP to perform an SMP/E ACCEPT CHECK for Application Recovery Tool. Consult the instructions in the sample job for more information.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do *not* bypass the following on the ACCEPT CHECK: PRE, ID, REQ, and IFREQ. This is because the SMP/E root cause analysis identifies the cause only of **ERRORS** and not of **WARNINGS** (SYSMODs that are bypassed are treated as warnings, not errors, by SMP/E).

Before using SMP/E to load new distribution libraries, it is recommended that you set the ACCJCLIN indicator in the distribution zone. This will cause entries produced from JCLIN to be saved in the distribution zone whenever a SYSMOD containing inline JCLIN is ACCEPTed. For more information on the ACCJCLIN indicator, see the description of inline JCLIN in the SMP/E manuals.

Once you have taken any actions indicated by the ACCEPT CHECK, remove the CHECK operand and run the job again to perform the ACCEPT.

Note: The GROUPEXTEND operand indicates that SMP/E accept all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

Expected Return Codes and Messages from ACCEPT CHECK: You will receive a return code 0 if this job runs correctly.

Expected Return Codes and Messages from ACCEPT: You will receive a return code 0 if this job runs correctly.

If PTFs containing replacement modules are being ACCEPTed, SMP/E ACCEPT processing will linkedit/bind the modules into the distribution libraries. During this processing, the Linkage Editor or Binder may issue messages documenting unresolved external references, resulting in a return code of 4 from the ACCEPT step. These messages can be ignored, because the distribution libraries are not executable and the unresolved external references will not affect the executable system libraries.

6.2 Activating Application Recovery Tool

The publication *Application Recovery Tool for IMS and DB2 Databases User's Guide, SC27-0980* contains the step-by-step procedures to activate the functions of Application Recovery Tool.

Reader's Comments

Program Directory for Application Recovery Tool for IMS and DB2 Databases September 2002

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|---|--------------|---|---|---|---|---|
| Ease of product installation | 1 | 2 | 3 | 4 | 5 | N |
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