Program Directory for
IBM DB2 Archive Log Accelerator for z/OS

V02.02.00

Program Number 5697-I73

FMID H29I220

for Use with
z/OS

Document Date: December 2004

GI10-8513-01
Note!

Before using this information and the product it supports, be sure to read the general information under 7.0, “Notices” on page 21.

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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 DB2 Archive Log Accelerator for z/OS. This publication refers to DB2 Archive Log Accelerator for z/OS as DB2 Archive Log Accelerator.

The Program Directory contains the following sections:

- **2.0, “Program Materials” on page 3** identifies the basic and optional program materials and documentation for DB2 Archive Log Accelerator.
- **3.0, “Program Support” on page 6** describes the IBM support available for DB2 Archive Log Accelerator.
- **4.0, “Program and Service Level Information” on page 8** lists the APARs (program level) and PTFs (service level) incorporated into DB2 Archive Log Accelerator.
- **5.0, “Installation Requirements and Considerations” on page 9** identifies the resources and considerations required for installing and using DB2 Archive Log Accelerator.
- **6.0, “Installation Instructions” on page 15** provides detailed installation instructions for DB2 Archive Log Accelerator. It also describes the procedures for activating the functions of DB2 Archive Log Accelerator, or refers to appropriate publications.

Before installing DB2 Archive Log Accelerator, read the *CBPDO Memo To Users* and the *CBPDO Memo To Users Extension* that were supplied with this program in softcopy form as well as this Program Directory and then keep them for future reference. Section **3.2, “Preventive Service Planning” on page 6** tells you how to find any updates to the information and procedures in this Program Directory.

DB2 Archive Log Accelerator is supplied in a Custom-Built Product Delivery Offering (CBPDO, 5751-CS3). The Program Directory is provided in softcopy form on the CBPDO tape which is identical to the hardcopy form provided with your order. Your CBPDO contains a softcopy preventive service planning (PSP) upgrade for this product. All service and HOLDDATA for DB2 Archive Log Accelerator are included on the CBPDO tape.

Do not use this Program Directory if you are installing DB2 Archive Log Accelerator 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.
1.1 DB2 Archive Log Accelerator Description

Maintaining archive logs is an essential part of data management. Archive logs provide the protection required to recover from all types of disasters, both data and hardware driven. However, archive logs can create storage problems because they require a considerable amount of space. While it is possible to store archive logs on tape, recovering the logs can be time consuming, especially when waiting for devices or volumes to become available.

DB2 Archive Log Accelerator:

- Reduces storage and I/O requirements for managing large-volume DB2 archive logs
- Makes DFSMS hardware compression available to DB2 archive logs to accelerate DB2 data recovery
- Enables archive logs to be striped to enable faster writing and reading of archive logs and accelerate archive log offload processing
- Conserves valuable storage space by optimizing DFSMS compressed archive logs to further reduce their size
- Provides a hardware compression modeling tool to help determine the most suitable compression options
- Offers innovative archive log management options in a single, affordable package

1.2 DB2 Archive Log Accelerator FMIDs

DB2 Archive Log Accelerator consists of the following FMIDs:

H291220
2.0 Program Materials

An IBM program is identified by a program number. The program number for DB2 Archive Log Accelerator is 5697-I73.

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

The program announcement material describes the features supported by DB2 Archive Log Accelerator. 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 15 for more information about how to install the program.

Information about the physical tape for the Basic Machine-Readable Materials for DB2 Archive Log Accelerator can be found in the CBPDO Memo To Users Extension.

### Non-CBPDO Customers

If you receive the product tape and program directory outside the CBPDO process, refer to 6.1.4, “Sample Jobs” on page 16 for details (media volser, file name, tape file number) and how to proceed.

Figure 1 describes the physical tape.

### NOTE!

If DB2 Archive Log Accelerator was shipped to you in a CBPDO, you will need to reference the CBPDO Memo To Users Extension for the physical tape layout of the Basic Machine-Readable Materials.

Figure 2 on page 4 describes the file content.

<table>
<thead>
<tr>
<th>Medium</th>
<th>Feature Number</th>
<th>VOLSER</th>
</tr>
</thead>
<tbody>
<tr>
<td>3480</td>
<td>5802</td>
<td>291220</td>
</tr>
</tbody>
</table>

Figure 2 on page 4 describes the program file content for DB2 Archive Log Accelerator. You can refer to the CBPDO Memo To Users Extension to see where the files reside on the tape.
Notes:

1. The data set attributes in this table 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. If any RELFILEs are identified as PDSEs, ensure that SMPTLIB data sets are allocated as PDSEs.

2.2 Optional Machine-Readable Material

No optional machine-readable materials are provided for DB2 Archive Log Accelerator.

2.3 Program Publications

The following sections identify the basic and optional publications for DB2 Archive Log Accelerator.

2.3.1 Basic Program Publications

Figure 3 identifies the basic unlicensed program publications for DB2 Archive Log Accelerator. One copy of each of these publications is included when you order the basic materials for DB2 Archive Log Accelerator. For additional copies, contact your IBM representative.

<table>
<thead>
<tr>
<th>Publication Title</th>
<th>Form Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>DB2 Archive Log Accelerator for z/OS License Information</td>
<td>GC18-7406</td>
</tr>
<tr>
<td>Program Directory</td>
<td>GI10-8513</td>
</tr>
</tbody>
</table>
Figure 4 on page 5 identifies the basic unlicensed or licensed publications that are not available in hardcopy form, but are available through the internet or other media for DB2 Archive Log Accelerator.

<table>
<thead>
<tr>
<th>Publication Title</th>
<th>Form Number</th>
<th>How Available</th>
</tr>
</thead>
</table>

Publications are available in PDF and BookManager formats on CD-ROM on the next release of software product libraries:
- z/OS Software Products Collection, SK3T-4270

2.3.2 Optional Program Publications

No optional publications are provided for DB2 Archive Log Accelerator.

2.4 Program Source Materials

No program source materials or viewable program listings are provided for DB2 Archive Log Accelerator.

2.5 Publications Useful During Installation

The publications listed in Figure 5 may be useful during the installation of DB2 Archive Log Accelerator. To order copies, contact your IBM representative or visit the IBM Publications Center on the World Wide Web at:
http://www.ibm.com/shop/publications/order

<table>
<thead>
<tr>
<th>Publication Title</th>
<th>Form Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM SMP/E for z/OS and OS/390 User’s Guide</td>
<td>SA22-7773</td>
</tr>
<tr>
<td>IBM SMP/E for z/OS and OS/390 Commands</td>
<td>SA22-7771</td>
</tr>
<tr>
<td>IBM SMP/E for z/OS and OS/390 Reference</td>
<td>SA22-7772</td>
</tr>
<tr>
<td>IBM SMP/E for z/OS and OS/390 Messages, Codes, and Diagnosis</td>
<td>GA22-7770</td>
</tr>
</tbody>
</table>
3.0 Program Support

This section describes the IBM support available for DB2 Archive Log Accelerator.

3.1 Program Services

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

3.2 Preventive Service Planning

Before installing DB2 Archive Log Accelerator, you should review the current Preventive Service Planning (PSP) information. If you obtained DB2 Archive Log Accelerator as part of a CBPDO, there is HOLDDATA and PSP information included on the CBPDO.

If the CBPDO for DB2 Archive Log Accelerator 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 program support, access the Software Support web site at http://www-3.ibm.com/software/support/

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 DB2 Archive Log Accelerator are:

<table>
<thead>
<tr>
<th>UPGRADE</th>
<th>SUBSET</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5697I73</td>
<td>H29I220</td>
<td>DB2 Archive Log Accelerator for z/OS</td>
</tr>
</tbody>
</table>

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 DB2 Archive Log Accelerator.

![Component IDs Table](image)

<table>
<thead>
<tr>
<th>FMID</th>
<th>COMPID</th>
<th>Component Name</th>
<th>RETAIN Release</th>
</tr>
</thead>
<tbody>
<tr>
<td>H29I220</td>
<td>569717300</td>
<td>DB2 Archive Log Accelerator for z/OS</td>
<td>220</td>
</tr>
</tbody>
</table>
4.0 Program and Service Level Information

This section identifies the program and any relevant service levels of DB2 Archive Log Accelerator. The program level refers to the APAR fixes incorporated into the program. The service level refers to the PTFs incorporated into the program.

4.1 Program Level Information

The following APAR fixes against previous releases of DB2 Archive Log Accelerator have been incorporated into this release. They are listed by FMID.

- FMID H29I210
  - PQ75533
  - PQ76958
  - PQ80955
  - PQ84262
  - PQ88896

4.2 Service Level Information

No PTFs against this release of DB2 Archive Log Accelerator have been incorporated into the product tape.
5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing and activating DB2 Archive Log Accelerator. 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 DB2 Archive Log Accelerator.

5.1.1 Machine Requirements

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

5.1.2 Programming Requirements

<table>
<thead>
<tr>
<th>Program Number</th>
<th>Product Name and Minimum VRM/Service Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any one of the following:</td>
<td></td>
</tr>
<tr>
<td>5694-A01</td>
<td>z/OS V01.04.00 or later</td>
</tr>
<tr>
<td>5655-G44</td>
<td>IBM SMP/E for z/OS and OS/390 V03.01.00 or later</td>
</tr>
</tbody>
</table>
5.2 Target System Requirements

This section describes the environment of the target system required to install and use DB2 Archive Log Accelerator.

DB2 Archive Log Accelerator 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 Installation Requisites

An installation requisite is defined as a product that is required and must be present or one that is not required but should be present on the system for the successful installation of this product.

A mandatory installation requisite identifies products that are required, without exception, or this product will not install on your system. This includes products specified as PREs or REQs.

DB2 Archive Log Accelerator has no mandatory installation requisites.

A conditional installation requisite identifies products that are not required for successful install but may resolve such things as certain warning messages at installation time. They include products that are specified as IF REQs.

DB2 Archive Log Accelerator has no conditional installation requisites.

5.2.2.2 Operational Requisites

An operational requisite is defined as a product that is required and must be present or a product that is not required but should be present on the system in order for this product to operate all or some of its functions.

A mandatory operational requisite identifies products that are required, without exception, or this product will not operate its basic function unless the requisite is met. This includes products specified as PREs or REQs.

<table>
<thead>
<tr>
<th>Program Number</th>
<th>Product Name and Minimum VRM/Service Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any one of the following:</td>
<td></td>
</tr>
</tbody>
</table>

Figure 9 (Page 1 of 2). Mandatory Operational Requisites
A conditional operational requisite identifies products that are not required for the basic function but are needed at run time for this product to utilize specific functions. They may include products specified as IF REQs.

DB2 Archive Log Accelerator has no conditional operational 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.

DB2 Archive Log Accelerator 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.

DB2 Archive Log Accelerator has no negative requisites.

5.2.3 DASD Storage Requirements

DB2 Archive Log Accelerator libraries can reside on all supported DASD types.

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

<table>
<thead>
<tr>
<th>Library Type</th>
<th>Total Space Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target</td>
<td>63 tracks</td>
</tr>
<tr>
<td>Distribution</td>
<td>63 tracks</td>
</tr>
</tbody>
</table>

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 6.1.8, “Allocate SMP/E Target and Distribution Libraries” on page 18.

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 DB2 Archive Log Accelerator. The storage requirements of DB2 Archive Log Accelerator 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 DB2 Archive Log Accelerator Target Libraries

<table>
<thead>
<tr>
<th>Library DDNAME</th>
<th>Member Type</th>
<th>Member</th>
<th>Target Volume</th>
<th>Y</th>
<th>O</th>
<th>P</th>
<th>E</th>
<th>R</th>
<th>C</th>
<th>L</th>
<th>E</th>
<th>No. of 3390 Trks</th>
<th>No. of DIR Blks</th>
</tr>
</thead>
<tbody>
<tr>
<td>SALCLOAD</td>
<td>LMOD</td>
<td>Any</td>
<td>U</td>
<td>PDS</td>
<td>U</td>
<td>0</td>
<td>26</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SALCMENU</td>
<td>MSG</td>
<td>Any</td>
<td>U</td>
<td>PDS</td>
<td>FB</td>
<td>80</td>
<td>2</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SALCPENU</td>
<td>PNL</td>
<td>Any</td>
<td>U</td>
<td>PDS</td>
<td>FB</td>
<td>80</td>
<td>29</td>
<td>50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SALCSLIB</td>
<td>SKL</td>
<td>Any</td>
<td>U</td>
<td>PDS</td>
<td>FB</td>
<td>80</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SALCSAMP</td>
<td>SAMP</td>
<td>Any</td>
<td>U</td>
<td>PDS</td>
<td>FB</td>
<td>80</td>
<td>4</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Figure 12. Storage Requirements for DB2 Archive Log Accelerator Distribution Libraries

<table>
<thead>
<tr>
<th>Library DDNAME</th>
<th>Member</th>
<th>Target Volume</th>
<th>Y</th>
<th>O</th>
<th>P</th>
<th>E</th>
<th>R</th>
<th>C</th>
<th>L</th>
<th>E</th>
<th>No. of 3390 Trks</th>
<th>No. of DIR Blks</th>
</tr>
</thead>
<tbody>
<tr>
<td>AALCLOAD</td>
<td>U</td>
<td>PDS</td>
<td>U</td>
<td>0</td>
<td>26</td>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AALCMENU</td>
<td>U</td>
<td>PDS</td>
<td>FB</td>
<td>80</td>
<td>2</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AALCPENU</td>
<td>U</td>
<td>PDS</td>
<td>FB</td>
<td>80</td>
<td>29</td>
<td>50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AALCSLIB</td>
<td>U</td>
<td>PDS</td>
<td>FB</td>
<td>80</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AALCSAMP</td>
<td>U</td>
<td>PDS</td>
<td>FB</td>
<td>80</td>
<td>4</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 5.3 FMIDs Deleted

Installing DB2 Archive Log Accelerator 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 DB2 Archive Log Accelerator 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

DB2 Archive Log Accelerator 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 DB2 Archive Log Accelerator.

Please note the following:

- If you want to install DB2 Archive Log Accelerator 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 DB2 Archive Log Accelerator

6.1.1 SMP/E Considerations for Installing DB2 Archive Log Accelerator

This release of DB2 Archive Log Accelerator 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.

<table>
<thead>
<tr>
<th>SUB-ENTRY</th>
<th>Value</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSSPACE</td>
<td>(200,200,500)</td>
<td>3390 DASD tracks</td>
</tr>
<tr>
<td>PEMAX</td>
<td>SMP/E Default</td>
<td>IBM recommends using the SMP/E default for PEMAX.</td>
</tr>
</tbody>
</table>
6.1.3 SMP/E CALLLIBS Processing

DB2 Archive Log Accelerator uses the CALLLIBS function provided in SMP/E to resolve external references during installation. When DB2 Archive Log Accelerator is installed, ensure that DDDEFs exist for the following libraries:

- CSSLIB
- SISPLOAD

**Note:** The DDDEFs above are used only to resolve the link-edit for DB2 Archive Log Accelerator using CALLLIBS. These data sets are not updated during the installation of DB2 Archive Log Accelerator.

6.1.4 Sample Jobs

The following sample installation jobs are provided as part of the product to help you install DB2 Archive Log Accelerator:

<table>
<thead>
<tr>
<th>Job Name</th>
<th>Job Type</th>
<th>Description</th>
<th>RELFILE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALCALA</td>
<td>SMP/E</td>
<td>Sample job to allocate and initialize a new SMP/E CSI data set <em>(Optional)</em></td>
<td>IBM.H29I220.F3</td>
</tr>
<tr>
<td>ALCALB</td>
<td>SMP/E</td>
<td>Sample job to allocate SMP/E data sets <em>(Optional)</em></td>
<td>IBM.H29I220.F3</td>
</tr>
<tr>
<td>ALCRECEV</td>
<td>RECEIVE</td>
<td>Sample RECEIVE job</td>
<td>IBM.H29I220.F3</td>
</tr>
<tr>
<td>ALCALLOC</td>
<td>ALLOCATE</td>
<td>Sample job to allocate target and distribution libraries</td>
<td>IBM.H29I220.F3</td>
</tr>
<tr>
<td>ALCDDDEF</td>
<td>DDDEF</td>
<td>Sample job to define SMP/E DDDEFs</td>
<td>IBM.H29I220.F3</td>
</tr>
<tr>
<td>ALCAPPLY</td>
<td>APPLY</td>
<td>Sample APPLY job</td>
<td>IBM.H29I220.F3</td>
</tr>
<tr>
<td>ALCACCEP</td>
<td>ACCEPT</td>
<td>Sample ACCEPT job</td>
<td>IBM.H29I220.F3</td>
</tr>
</tbody>
</table>

You can access the sample installation jobs by performing an SMP/E RECEIVE and then copying the jobs from the relfiles to a work data set for editing and submission. See Figure 14 to find the appropriate relfile data set.

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 your distribution medium, by uncommenting the appropriate DD statement below. 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*
```
In the sample above, update the statements as noted below:

If using TAPEIN:
  - **tunit** is the unit address where the product tape is mounted
  - **volser** is the volume serial matching the product tape
  - **X** is the tape file number where the data set name is on the tape
    Refer to the documentation provided by CBPDO to see where IBM.H29I220.F3 is on the tape.

If using FILEIN
  - **filevol** is the volume serial of the DASD device where the downloaded files reside.

OUT
  - **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

SYSIN
  - **xxxxIN** is either TAPEIN or FILEIN depending on your input DD statement.

You can also access the sample installation jobs by performing an SMP/E RECEIVE and then copying the jobs from the relfiles to a work data set for editing and submission. See Figure 14 on page 16 to find the appropriate relfile data set.
6.1.5 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 ALCALA to allocate the SMP/E data set for DB2 Archive Log Accelerator.

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

6.1.6 Initialize CSI zones (Optional)

Edit and submit sample job ALCALB to initialize SMP/E zones for DB2 Archive Log Accelerator. 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.

6.1.7 Perform SMP/E RECEIVE

Note: If you obtained DB2 Archive Log Accelerator as part of a CBPDO, use the RCVPDO job found in the CBPDO RIMLIB data set to RECEIVE the DB2 Archive Log Accelerator 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.

You can also choose to edit and submit sample job ALCRECEV to perform the SMP/E RECEIVE for DB2 Archive Log Accelerator. 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.

6.1.8 Allocate SMP/E Target and Distribution Libraries

Edit and submit sample job ALCALLOC to allocate the SMP/E target and distribution libraries for DB2 Archive Log Accelerator. 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.

6.1.9 Create DDDEF Entries

Edit and submit sample job ALCDDDEF to create DDDEF entries for the SMP/E target and distribution libraries for DB2 Archive Log Accelerator. 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.
6.1.10 Perform SMP/E APPLY

Edit and submit sample job ALCAPPLY to perform an SMP/E APPLY CHECK for DB2 Archive Log Accelerator. 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 of 0 if this job runs correctly.

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

6.1.11 Perform SMP/E ACCEPT

Edit and submit sample job ALCACCEP to perform an SMP/E ACCEPT CHECK for DB2 Archive Log Accelerator. 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 of 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.

Expected Return Codes and Messages from ACCEPT if no PTFs are being installed: You will receive a return code of 0 if this job runs correctly.

6.1.12 Run REPORT CROSSZONE

The SMP/E REPORT CROSSZONE command will identify requisites defined for products that have been installed in separate zones. This command will also create APPLY and ACCEPT commands in the SMPPUNCH data set which you can use to install those cross-zone requisites it identifies.

After you have installed DB2 Archive Log Accelerator, it is recommended that you run REPORT CROSSZONE against the new or updated target and distribution zones. REPORT CROSSZONE requires a global zone with ZONEINDEX entries describing all the target and distribution libraries to be reported on.

For more information on REPORT CROSSZONE, see the SMP/E manuals.

6.2 Activating DB2 Archive Log Accelerator

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Program Directory for DB2 Archive Log Accelerator for z/OS, December 2004

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For each of the topics below please indicate your satisfaction level by circling your choice from the rating scale. If a statement does not apply, please circle N.

<table>
<thead>
<tr>
<th>RATING SCALE</th>
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<tbody>
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<td>very satisfied</td>
</tr>
<tr>
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</tr>
</tbody>
</table>

<table>
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<th>Satisfaction</th>
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<th>3</th>
<th>4</th>
<th>5</th>
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<tr>
<td>Contents of Program Directory</td>
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<tr>
<td>Installation Verification Programs</td>
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<tr>
<td>Time to install the product</td>
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<tr>
<td>Readability and organization of Program Directory tasks</td>
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</tr>
<tr>
<td>Necessity of all installation tasks</td>
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<td></td>
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<tr>
<td>Accuracy of the definition of the installation tasks</td>
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</tr>
<tr>
<td>Technical level of the installation tasks</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Ease of getting the system into production after installation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N</td>
</tr>
</tbody>
</table>

How did you order this product?

___ CBPDO
___ CustomPac
___ ServerPac
___ Independent
___ Other

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

___ Yes
___ No

Were the people who did the installation experienced with the installation of z/OS products?

___ Yes

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No

If yes, how many years? __

If you have any comments to make about your ratings above, or any other aspect of the product installation, please list them below:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Please provide the following contact information:

________________________________________________________________________
Name and Job Title

________________________________________________________________________
Organization

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Address

________________________________________________________________________
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