Adabas Audit Data Retrieval

Release Notes and Update Instructions

March 22, 2021

Document number: AAR-B97-V7R2-RN-EN-20210322

Product / Component / Add-on	Maintenance level / Build	FMID
Adabas Audit Data Retrieval	V7R2-00 (PIR0436)	SIR7200
BSA (Beta Systems Architecture)	1771-02 (PBS4297)	RBS7100
Beta 23 (_beta browse)	V7R2 (NEW)	RBF7200

Beta Systems DCI Software AG
Alt-Moabit 90d
D-10559 Berlin

www.betasystems-dci.com

Support Contact Information

support@betasystems.com

Telephone Germany:
0800-BETASYS (or 0800-2382797)

Telephone International:
+49 (0)6321 499 15 108

Contents

Introduction

This document

These release notes contain detailed installation and update instructions for the following product levels:

Product / Component / Add-on	Maintenance level / Build	FMID
Adabas Audit Data Retrieval	V7R2-00 (PIR0436)	SIR7200
BSA (Beta Systems Architecture)	1771-02 (PBS4297) plus additional PTFs	RBS7100
Beta 23 (_beta browse)	V7R2-00 (NEW)	RBF7200

Requirements

Adabas Audit Data Retrieval V7R2 requires:

- z/OS V2.3 or later with DFSORT (64 bit) or Syncsort (64 bit)
- BSA V7R1
- Beta 23 (_beta browse) V7R2

Separate CSI recommended

We recommend that you install Adabas Audit Data Retrieval together with BSA and Beta 23 in a separate CSI.

Standard installation medium

The software is made available as a ZIP archive, which includes all the folders and files that are necessary to install the software.

Installation instructions

"General installation instructions" on page 7 provides a general description of the installation process, including the transfer and unpacking of the installation datasets.

"Installation REXX" on page 16 guides you through the installation REXX. The installation process will go smoother if you have the information that will be requested ready-at-hand (see "Pre-installation checklists" on page 12).

The installation is SMP/E based. If you're not familiar with SMP/E, you may find some useful information in "SMP/E terms and concepts" on page 52.

The installation REXX tailors appropriate installation jobs according to your specifications. The tables in the following sections show which installation jobs you have to run:

- "BSA installation and maintenance jobs" on page 55
- "Beta 23 installation and maintenance jobs" on page 59
- "Product installation and maintenance jobs" on page 61
- "BSA and product customization and activation" on page 63

For detailed information on these jobs, you can refer to the *Installation and System Guide* of BSA and Adabas Audit Data Retrieval.

Product identifier

Adabas Audit Data Retrieval has a numeric two-digit identifier, which is used in the names of libraries, panels, programs, etc.

The product identifier of Adabas Audit Data Retrieval is **97**.

Product license

Adabas Audit Data Retrieval requires a valid **B97.G7** license (see "Licensing information" on page 5).

Product documentation

Following is the list of manuals available for BSA and Adabas Audit Data Retrieval at the time of release of this document.

Title	Document number
Adabas Audit Data Retrieval	
Adabas Audit Data Retrieval Administrator Guide	AAR-V7R2-ADM-EN-20210322
Adabas Audit Data Retrieval Installation and System Guide	AAR-V7R2-INS-EN-20210322
Adabas Audit Data Retrieval Messages and Codes	AAR-V7R2-MSG-EN-20210322
BSA	
BSA Service Manager Manual	BSA-V7R1-BSM-EN-20210322
BSA Installation and System Guide	BSA-V7R1-INS-EN-20210322
BSA Messages and Codes	BSA-V7R1-MSG-EN-20210322

Licensing information

Overview

A license file that includes appropriate license articles must be available if you want to run Adabas Audit Data Retrieval.

For a new installation, the license file must be available at the latest when the installation job B97DBFOR runs.

Obtaining a license file

Please contact support if you need a new license file. To be able to generate a valid license file for you, Software AG needs to know:

- Your name and the name of your company
- The CPU type (*tttt* - the last four digits of the serial number) and the number of configured processors (*cccc*)

  You will find this information in the product STC startup message

```
9151I CPU INFORMATION - TYPE: tttt ID: nnnn LPAR: l TLCPU: tccc CLCPU: cccc SLCPU: sccc
```

Alternatively, you can also send Software AG the output of the console command **D M=CPU**:

```
IEE174I 10.50.45 DISPLAY M 510
PROCESSOR STATUS
ID  CPU                 SERIAL
00  +                    01BCXCtttt
01  +                    01BCXCtttt
02  +A                   01BCXCtttt
03  +I                   01BCXCtttt

CPC ND = 00XXXX.S08.IBM.XX.00000XXXBCXC
CPC SI = XXXX.XXX.IBM.XX.000000000XXXBCXC
```

File transfer to host

Transfer the license file to a PS dataset or to a member of a PO dataset on the z/OS host. File transfer must be in text mode, which means that the file will be converted to EBCDIC.

Important: Do not modify the license file in any other way because this would invalidate it.

The following DCB attributes for the receiving dataset on the z/OS host:

Dataset organization:	PO or PS
Record format:	FB, VB, U
Logical record length:	Minimum value is determined by the longest record in the license file (LRECL=512 recommended)

License check messages

Messages are written to log the result of the license check, which is carried out during product start.

If the license check is successful, the messages look like this:

```
IRM9009I USED LICENSE ORDER: 'B97.G7 '...
IRM9008I BETA97 LICENSE PRODUCT NAME: B97.G7 - Beta 97 G7...
```

License check will fail without a valid **B97.G7** license and Adabas Audit Data Retrieval will not start.

The following messages indicate that the license check has failed:

```
IRM9009I USED LICENSE ORDER: 'B97.G7 '...
IRM9004I B97.G7 HAS BEEN LICENSED FOR CUSTOMER: ...
IRM9001E Beta 97 G7 NOT ACTIVE - INVALID INSTALLATION ID ... REASON = 2011 )
```

Further information

For detailed information on updating a license file, see "License check handling" in *BSA Installation and System Guide*.

General installation instructions

Who should read this?

This section provides a general description of the installation steps that have to be carried out by all new and existing users of BSA and Adabas Audit Data Retrieval.

Recommendation: First-time users should read all of this section **before** they begin. Knowing about the procedure as a whole and knowing about the information requested at each step will make the installation or upgrading process a lot smoother.

Standard installation medium

The software is made available as a ZIP archive, which includes all the folders and files that are necessary to install the software. Unzip the installation archive under Windows, and then run the setup program of the product, which transfers the installation datasets to the z/OS host. Folder names and file names are self-explanatory.

SMP/E-based installation

BSA and product installation on the z/OS mainframe is based on SMP/E.

The SMP/E installation jobs are tailored by the installation REXX.

Step overview

The installation process involves these steps:

1. Downloading and unzipping the installation archive on a Windows PC
2. Running the setup program on the Windows PC with automatic transfer of Adabas Audit Data Retrieval and/or BSA installation datasets to the z/OS host
3. Unpacking the installation datasets on the z/OS host
4. Running the Beta installation REXX on the z/OS host with tailoring of BETA97.CNTL and BSA.CNTL
5. Submitting the SMP/E installation jobs for BSA and/or Adabas Audit Data Retrieval according to your installed level

Each step is described in more detail below.

Requirements

By default, the setup program uses ftp for data transfer to the host, which assumes that IBM FTP server is available.

About 250 MB of temporary space is required on the PC. Space requirements on the z/OS host depend on the number of components you will be installing.

Space requirements

Following is the minimum space required for installation datasets and RELFILES on a 3390 disk:

BSA	*hlqbsa*.CDFILE	2376 tracks
	hlqbsa.JOBLIB	5 tracks
	hlqbsa.RBS7100.F1	525 tracks
	hlqbsa.RBS7100.F2	1115 tracks
	hlqbsa.RBS7100.F3	2 tracks
B23	*hlqprod*.RBF7200.F1	192 tracks
	hlqprod.RBF7200.F2	203 tracks
	hlqprod.RBF7200.F3	2 tracks
B97	*hlqprod*.CDFILE	2128 tracks
	hlqprod.JOBLIB	5 tracks
	hlqprod.SIR7200.F1	273 tracks
	hlqprod.SIR7200.F2	716 tracks
	hlqprod.SIR7200.F3	2 tracks

Installation steps on Windows PC

The following steps are carried out on a Windows PC:

1. Download and unzip the installation archive on a Windows PC.
2. Locate the setup program in the unpacked installation archive.

   You can find the setup program in the **Beta97 V7.2\zOS** folder. All data for both Adabas Audit Data Retrieval and BSA are included in this setup program.
3. Run the setup program.
4. Provide the information requested by the setup program.

   The setup program will request the following information in sequence:

   - Which CD installation datasets are to be transferred to the host: CD installation datasets for BSA or Adabas Audit Data Retrieval or both?

     Selecting Adabas Audit Data Retrieval without BSA is only meaningful if you are installing into an existing environment **and** BSA RELFILES for this FMID are already present on the host.
   - Job card for the CD installation jobs CDUNPK*nn* and CDUDEL*nn*

     CDUNPK00 and CDUNPK97 unpack the installation datasets (see page 10). CDUDEL00 and CDUDEL97 can be used for deleting installation libraries and datasets (see page 10). The job card for the BSA and product installation jobs will be requested later when you run the installation REXX on the z/OS host.

- High-level qualifier for BSA and Adabas Audit Data Retrieval installation datasets

  The high-level qualifier of BSA must be different from the high-level qualifier of Adabas Audit Data Retrieval. The high-level qualifiers specified here are used for transferred installation datasets and unpacked datasets. Specify new unique HLQs to avoid allocation errors during unpacking. The high-level qualifiers for SMP/E and tailored CNTL libraries, databases, etc. will be requested later when you run the installation REXX on the z/OS host.
- Volser and device type for the installation datasets or SMS

For automatic transfer via ftp:

- Numeric or symbolic IP address of the z/OS host and ftp port number (default: 21)
- Credentials (The password must be entered twice.)

Alternatively, you can also transfer the datasets manually (see page 10).

Data transfer

The setup program transfers the installation datasets to the z/OS host.

Depending on whether you selected BSA or Adabas Audit Data Retrieval or both, the following datasets will be present after transfer:

Dataset	Description
hlqbsa.CDFILE	Packed dataset (super file) that contains the BSA installation data
hlqbsa.JOBLIB	Partitioned dataset that contains the installation jobs CDUNPK00 and CDUDEL00
hlqprod.CDFILE	Packed dataset (super file) that contains the Adabas Audit Data Retrieval installation data
hlqprod.JOBLIB	Partitioned dataset that contains the installation jobs CDUNPK97 and CDUDEL97

Manual file transfer to the z/OS host

If you are experiencing difficulties with the setup program's automatic file transfer, you can also transfer the required files manually. To do this, choose option **Transfer files to z/OS manually** in the setup program and specify a destination folder for the files that are to be transferred.

The setup program creates the ftp script **ftp.txt**, which contains all the necessary information on the files that need to be transferred (source files, target datasets and their attributes, and transfer modes). You can run this script directly in your ftp client if you provide appropriate values for the placeholders <IPADDRESS>, <PORT>, <USERNAME> and <PASSWORD>.

For example, under Windows, open a command box, change to the destination folder, and then enter the following command:

```
ftp -s:ftp.txt
```

You can also use another suitable file transfer facility instead of ftp.

Important: For security reasons, you should delete the contents of the destination folder from your PC after the transfer, or at least remove your credentials from **ftp.txt**.

Installation steps on the z/OS host

The following steps are carried out on the z/OS host:

1. Unpack the super file(s).

   hlqbsa.JOBLIB(CDUNPK00) extracts installation data from the BSA super file *hlqbsa*.CDFILE.

   hlqprod.JOBLIB(CDUNPK97) extracts installation data from the Adabas Audit Data Retrieval super file *hlqprod*.CDFILE.

   The result will be a collection of installation libraries and datasets whose format is usable as input for the installation process. For example, *hlqbsa*.DATA and *hlqprod*.DATA are libraries whose members contain the MCS statements (one per product and per additional facility or add-on).

   If extraction leads to allocation errors

   Job CDUNPK*nn* will end in error if it encounters a dataset of the same name during data extraction, for example, relicts of a previous or incomplete installation. In this case, run CDUDEL*nn* first to delete offending datasets.

   hlqbsa.JOBLIB(CDUDEL00) deletes all extracted BSA installation datasets.

   hlqprod.JOBLIB(CDUDEL97) deletes all extracted Adabas Audit Data Retrieval installation datasets.

   You can ignore RC=8 if this is caused by message "IDC3012I ENTRY *datasetname* NOT FOUND", which means that one or more of the datasets to be deleted were not present. Afterwards, run CDUNPK*nn* to unpack again.

2. Run the installation REXX.

   Choose the installation REXX from the appropriate library depending on which installation jobs are to be tailored.

   If only BSA:

   ```
   EXEC 'hlqbsa.REXX(INSTALL)'
   ```

   If Adabas Audit Data Retrieval with BSA:

   ```
   EXEC 'hlqprod.REXX(INSTALL)'
   ```

   Follow the instructions displayed by the installation REXX. After you have provided all the requested information, the installation REXX will tailor a new BETA97.CNTL and/or BSA.CNTL from which you will submit the installation jobs required for your level.

   Note: Don't interrupt the REXX after the tailoring of the Adabas Audit Data Retrieval jobs. Follow instructions until the end to ensure that BSA jobs are tailored as well.

Tailored installation jobs

After the installation REXX has finished tailoring the CNTL members, you can run the jobs required for your level according to the tables in these sections in sequence:

- "BSA installation and maintenance jobs" on page 55
- "Beta 23 installation and maintenance jobs" on page 59
- "Product installation and maintenance jobs" on page 61
- "BSA and product customization and activation" on page 63

Note on APF authorization

The following BSA V7 modules must be loaded from an APF-authorized library:

```
BST01ARI BST00ATH BST01CMD BST01MST BST01RFF BST01SFF
BST01SSI BST00STH BST01SVC BST01XCF BST00XIN BST09XIN
B02UXSIN
```

Separate BETA.APFLOAD recommended

The installation REXX asks you for the name of the library that you want to use for the modules requiring APF authorization.

Although it is possible to use the same library for authorized and non-authorized modules, using a separate library for authorized modules is recommended. The BSA and product modules requiring APF authorization are automatically placed into this separate library during installation. The standard name of this library is BETA.APFLOAD. See *BSA Installation and System Guide* for more information on the advantages and disadvantages of using the same or different libraries.

Pre-installation checklists

Overview

A pre-installation checklist shows which information is requested by the installation REXX.

The installation process will go smoother if this information is ready-at-hand.

BSA checklist

You can make the installation process shorter and easier by obtaining the following information beforehand.

1. For transfer of installation files to z/OS:
   - High-level qualifiers to be used by the extract job when setting up the libraries that will be used later in the installation process
2. If you do not use System Managed Storage (SMS), the following information is needed:
   - The type of **DASD units** you want to use for installation libraries.
   - The **volume names** on which the distribution libraries, target libraries, and SMP/E datasets are to be allocated. Different volumes can be used for the distribution libraries, target libraries and SMP/E datasets.

     - Target libraries:

     - Distribution libraries:

     - SMP/E datasets:
   - The **volume name** on which the Beta parameter library is to be allocated.
3. The **dataset name first level qualifier** for SMP/E and SMP/E service-dependent datasets.
4. The **dataset name first level qualifier** for the BSA distribution and target libraries.
5. The **dataset name** for the Beta parameter library (BETA.PARMLIB). This dataset cannot be the library SYS1.PARMLIB.
6. A **user type 3 or 4 SVC number** between 200 and 255 for the Beta SVC.

   For the Beta SVC to be loaded at IPL, the SVC has to be linked into the SYS1.LPALIB and specified in the active **IEASVC*xx*** member of the SYS1.PARMLIB.

   You must designate one SVC number per BSA environment (version) you will be installing.
7. The dataset name of a **system procedure library** into which the Beta SMP/E installation procedure will be placed.
8. The space requirements as specified in the *Release Notes and Update Instructions*.

9. The Beta installation procedure lets you install two different load libraries: the default names are BETA.APFLOAD for all modules that need APF authorization, and BSA.LOAD for all the remaining BSA modules. Every product installation procedure installs its own library (BETA*nn*.LOAD) in addition.

Adabas Audit Data Retrieval checklist

The installation REXX will request the following information:

1. The following information on Adabas Audit Data Retrieval distribution and target libraries:

Library	SMS or Volume/Unit	High-level qualifier
Distribution library		
Target library		

Note: Specify the type of **DASD units** (9345, 3390, 3380 or 3350) and the **volume names** if you do not use SMS. You can use the same or different volumes for distribution and target libraries.

When referring to Adabas Audit Data Retrieval installation libraries and databases, the Adabas Audit Data Retrieval documentation uses generic *hlq* or BETA97 as high-level qualifier. Choose your own leading qualifiers in accordance with the naming conventions of your data center.

2. The following information on the Adabas Audit Data Retrieval databases (default size in brackets):

Database	SMS or Volume/Unit	Size in cylinders	High-level qualifier for cluster
hlq.SYNC		1	
hlq.INDEX1		(100)	
hlq.GLOBL1		(100)	
hlq.CACHE1		(100)	
hlq.SPOOL1		(20)	
hlq.RELOD1		(20)	
hlq.MAIN		(20)	
hlq.MAIN.KEY		(10)	
hlq.LIST		(20)	
hlq.LIST.KEY		(20)	

Database	SMS or Volume/Unit	Size in cylinders	High-level qualifier for cluster
hlq.ARC		(60)	
hlq.ARC.KEY		(25)	
hlq.MSG		(20)	
hlq.MSG.KEY		(10)	
hlq.LOG		(20)	
hlq.NOTES		(10)	
hlq.NOTES.KEY		(5)	
hlq.SFR		(10)	
hlq.SFR.KEY		(3)	
hlq.LGF		(20)	
hlq.LGF.KEY		(10)	

If databases cannot be placed on fail-safe storage (physical mirroring or Raid 5), you can use software mirroring. Make sure that original and mirror database are placed on different volumes.

3. VTAM network ID

4. A subsystem ID for the Adabas Audit Data Retrieval started task

5. The name of the PS dataset or PO dataset member that contains your license file

6. The name of the Adabas Audit Data Retrieval started task procedure

7. The dataset name of a system procedure library into which the two Adabas Audit Data Retrieval started task procedures will be placed

8. An unused port number where to listen for incoming requests from Adabas Audit Data View (AAV) and the name of the TCP/IP started task (TCP/IP stack) to be used

9. An unused SMF user record number between 128 and 255 (128..1151 if version 1) for the writing of SMF records (The SMF record number should be used exclusively for Adabas Audit Data Retrieval SMF records.)

Installation REXX

Overview

This section guides you through the installation REXX when installing Adabas Audit Data Retrieval with BSA.

The installation REXX requests information that is required for the tailoring of the SMP/E installation jobs. Follow the instructions displayed by the panels of the installation REXX and provide the requested information in the designated fields.

Pre-installation checklists

A pre-installation checklist shows which information is requested by the installation REXX.

The installation process will go smoother if this information is ready-at-hand (see "Pre-installation checklists" on page 12).

Starting the REXX

To install Adabas Audit Data Retrieval with BSA, start the installation REXX from the *hlqprod*.REXX library. For example, if you have specified BETAINST.BSA and BETAINST.B97 when unpacking the super files, enter the following command under ISPF option **6**:

```
EXEC 'BETAINST.B97.REXX(INSTALL)'
```

Alternatively, use ISPF option **3.4** to display the contents of BETAINST.B97.REXX and enter the line command **EX** in front of the INSTALL member.

Note: Running BETAINST.BSA.REXX(INSTALL) goes only through the BSA parts of the Installation REXX, without the product part.

Panel navigation

Panel PEBSA0A0 explains how to navigate through the panels of the installation REXX.

The installation REXX goes through the following parts:

BSA part 1	PEXXX000 through PEBSA51A Requests the information described in the BSA checklist and ends with the selection of the product
Product part	PEXXX0A0 through PEXXX9B0 Requests the information described in the product checklist and ends with the tailoring of the product installation jobs
BSA part 2	PEBSA51A through PEBSA9B0 Resumes offering you several BSA facilities (which you don't want) and ends with the tailoring of the BSA installation jobs

The panels are shown with the panel ID in the top-left corner of the panel. (You can turn this display on or off using the primary command PANELID.)

Expect certain minor variations in the displayed panels depending on whether you are running the installation REXX for the first time or whether you are using SMS.

You can press PF1 (HELP) in any panel of the installation REXX for additional information.

Unit/Volume and Special Way

You will be asked in panel PEBSA13A whether you want to use SMS. If you enter YES, you will be asked in panel PEBSA13C for the names of the SMS classes that are to be used.

The datasets created by the installation REXX and the installation jobs will be allocated according to the SMS rules of your data center. The SMS defaults will be used if you leave the fields in panel PEBSA13C blank. Otherwise the specified SMS classes will be used.

If you specify one or more SMS classes in panel PEBSA13C, some dataset-related panels will include a field labeled **Special Way**. Type **NO** in this field if you want to use the values from panel PEBSA13C. Type **YES** if you want to use different SMS classes. You will be prompted for the names in the next panel.

It is also possible to bypass SMS altogether for certain datasets by specifying appropriate unit/volume information in the corresponding panel.

For example, when prompted for the high-level qualifier of the SMP/E datasets in panel PEBSA21A, you can do one of the following:

- Use the SMS classes from panel PEBSA13C (Unit = SMS, Volume = SMS, Special Way = No)
- Use different SMS classes (Unit = SMS, Volume = SMS, Special Way = Yes)
- Bypass SMS (Unit = *unit*, Volume = *volume*, Special Way = No)

If inconsistencies are detected

The installation REXX requests the input of several dataset names for tailoring of job JCL and other data.

Some datasets are expected to exist and the installation REXX verifies this. If the dataset does not exist, the installation REXX will notify you about this inconsistency detected by the dataset check. You can modify the specified dataset name in the notification panel, for example, if you want to correct a typo. You can also confirm the name of the non-existing dataset, for example, because you will allocate the dataset later.

Some datasets are expected not to exist because they are meant to be allocated by the installation jobs. The installation REXX will verify this if you enable the duplicate dataset check in panel PEBSA0C0.

PEXXX000

```
PEXXX000 ------------------------------------------------------------------
Command ===>                                            (or press the HELP key)

 Installation Procedure   -   Introduction

              Welcome to the Beta Systems Installation Procedure
              --------------------------------------------------

     In the following  panels  you will be asked  to enter values and to
     make decisions relevant to the installation of one or more products,
     facilities and the common Beta Systems Architecture (BSA) components.
     These panels are organized into the following topics:

     (1) Defining your operating system and job environment.
     (2) Defining your SMP/E and the common BSA environment.
     (3) Selecting and installing facilities.
     (4) Selecting and installing products.
     (5) Tailoring the product batch jobs.
     (6) Tailoring the BSA and facility batch jobs.

 It takes a while until the procedure initialization is ready.
 Press the ENTER key to continue.
```

Action: Read and press ENTER.

PEBSA002

```
PEBSA002 ------------------------------------------------------------------
Command ===>                                            (or press the HELP key)

 Installation Procedure   -   Introduction

          The installation procedure currently in progress is at level
                                    BSA1771-02
    This level is associated with BSA version 7.1.0.
    Only the highest modification level  of BSA version 7  is to be used in
    the same environment.
    If you have already installed a BSA level of version 7 lower than shown
    above, it will be overwritten when you install into the same CSI.
    If you are installing BSA version 7 for the first time, you must create
                  a new SMP/E environment with a new CSI.
                    ---------                 -------
    This installation procedure is associated with the Beta Systems product
                beta docz plus, Adabas Audit Data Retrieval
    To ensure that you are using the correct procedure for the Beta Systems
    product you want install, you must have loaded this REXX procedure from
    the installation setup of that product into your V7 REXX library.
    Please see the Release Notes  to verify the use of the right procedure.

 Press the ENTER key to continue.
```

Action: Read and press ENTER.

PEBSA0A0

```
PEBSA0A0 ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Introduction

     The output of this procedure consists of a profile library  containing
     the installation values  which you enter  here, and of a  JCL  library
     containing the tailored batch jobs which you must submit later on.

     All through  this  installation procedure  you can enter the following
     special commands to help you navigate through the procedure:

     Enter BACK  to go back to the previous  panel.
     You can review and/or change then the information displayed.

     Enter BEGIN to go back to the beginning of the installation procedure.
     You can review and/or change all of the information previously entered.

     Press the END key to  terminate  the installation procedure.
     In this case some or all of the values entered will not be saved.

 Press the ENTER key to continue.
```

Action: Read and press ENTER.

PEBSA0C0

```
PEBSA0C0 ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Defining operating system and job environment

     The installation procedure  will ask you to  enter the names of the
     SMP/E, BSA and product data sets.
     If the data sets do not exist yet they will be created by the batch
     jobs which are generated by this installation procedure.
     After you have run this installation procedure you will be asked to
     submit the generated batch jobs.

     Enter YES below if you want a  check to be made  for duplicate data
     set names (this will take a little more time, but is safer).

     Enter NO to skip duplicate data set name checking.

       DSN Check ===> YES   (Y)es or (N)o


 Enter BACK for the previous panel.
 Press the ENTER key to continue.
```

Action: Specify YES and press ENTER.

Reason: It's always a good idea to let the installation REXX verify the dataset names that you specify to prevent the accidental overwriting of existing datasets.

PEBSA1A0

```
PEBSA1A0 ------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Defining operating system and job environment

   Here you specify what kind of SMP/E and Beta environments are to be used.
   Enter NEW if you intend to create a new environment.In this case you will
   be prompted to enter new values for SMP/E, BSA and product setup.
   Enter OLD if you have an existing SMP/E environment  and an existing Beta
   profile library which already contain the common BSA version 7 components.

   You must enter NEW if you are installing BSA version 7 for the first time.
   The consolidated software inventory (CSI) file (and its SMP/E environment)
   for BSA V7 must be different from the CSI for BSA of lower versions.

     Environment ===> NEW    (N)ew or (O)ld

   Note: If you enter  BEGIN  in the command line in any panel of the BSA
         procedure you will  return  to this environment selection panel.

 Enter BACK for the previous panel.
 Press the ENTER key to continue.
```

Action: Specify **NEW** and press ENTER. (Next panel: PEBSA13A)

Recommendation: We recommend that you install Adabas Audit Data Retrieval together with BSA and Beta 23 in a separate CSI.

Note: The installation REXX does not support **Environment = OLD** for Adabas Audit Data Retrieval.

PEBSA13A

This panel is the next in sequence when you enter **Environment** = **NEW** in panel PEBSA1A0:

```
PEBSA13A ------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Setup Operating System and Job Environment


     Enter the  DASD unit type  on which  all  Beta data sets are to be
     allocated:

     (or press ENTER for the default unit type)


       ===> 3390









 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Press ENTER to accept **3390**, which is the standard type.

PEBSA13B

```
PEBSA13B ------------------------------------------------------------------
Command ===>                                            (or press the HELP key)

 Installation Procedure   -   Setup Operating System and Job Environment

     Here you decide whether SMS management is to be used when allocating
     the data sets during this installation.

     Enter YES below if you require SMS data set management.
     Enter NO  below if you do not have or do not require  SMS management.

       ===> NO    (Y)es or (N)o

     If  you choose  SMS  management, SMS  will be  the  default  name for
     volume and unit device in each of the displays  where SMS is allowed.

     You can overwrite unit and volume whenever you would like a specified
     data set to be allocated on a specific unit and volume.


 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Do one of the following:

- Specify NO and press ENTER to bypass SMS (or if you do not have SMS).

  In this case, specify unit and volume information when prompted for the names of new datasets in subsequent panels.

- Specify YES and press ENTER to use SMS.

  In this case, you will be prompted to specify SMS classes in the next panel PEBSA13C.

  See PEBSA13C for more information.

PEBSA13C

This panel is the next in sequence when you enter YES in panel PEBSA13B, i.e. you want to use SMS.

```
PEBSA13C ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Setup Operating System and Job Environment

     Here you  decide  whether the  allocation of  any data set is to be
     controlled  directly  by  defining  storage class, management class
     and / or data class in your JCL.

     Enter the storage class , management class  and data class that are
     required  to  allocate,  manage  and  describe  the Beta data sets
     during installation.

     Leave the class name(s) empty below  if you don't want to allocate,
     manage and / or describe the data sets in this way.

       Storage    Class ===>
       Management Class ===>
       Data       Class ===>

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Do one of the following:

- Specify values and press ENTER.
- Leave the fields blank to use the defaults and press ENTER.

It depends on the conventions of your data center whether you can work with the SMS defaults or are expected to specify the names of classes. Contact your storage manager or a system programmer if in doubt.

PEBSA14A

PEBSA14A prompts you for the particulars of a new profile library.

The panel looks like this if you are using SMS (if panel includes **Special Way**, see PEBSA13C):

```
PEBSA14B ------------------------------------------------------------------------
Command ===>                                                (or press the HELP key)

 Installation Procedure   -   Setup Operating System and Job Environment

     This panel requires/shows the name of the common profile library
     which will contain all the values entered during installation.

     This data set (default name BETA.PROFILE ) is allocated for your
     convenience. It collects all the values  which you enter in this
     installation procedure and will allow you to re-use those values
     when installing a new or higher product or facility level.

     The common profile library will be allocated SMS managed.


       Data Set Name ===> BETA.PROFILE



 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

The panel looks like this if you are not using SMS:

```
PEBSA14A ------------------------------------------------------------------------
Command ===>                                                (or press the HELP key)

 Installation Procedure   -   Setup Operating System and Job Environment

     This panel requires the name of the common profile library which will
     contain all the values entered during installation.

     This common profile library (default name BETA.PROFILE ) is allocated
     for your convenience. It collects the values  which you enter in this
     installation procedure and will allow you to re-use those values when
     installing a new or higher product or facility level.

     Pay attention to the DSN to avoid mistakenly overwritten members:
       Data Set Name ===> BETA.PROFILE
       Volume Serial ===> BETA00
       Generic Unit  ===> 3390
       Space Units   ===> CYLS     (B)lks, (T)rks or (C)yls
       Block Size    ===> 6160     for LRECL = 80

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Specify a new dataset name (and the allocation parameters, if prompted) and press ENTER.

Note: You will have to provide this type of allocation parameters for all new datasets when prompted by the installation REXX. This document assumes that you are working with SMS for all subsequent panels.

PEBSA15B

PEBSA15B prompts you for the particulars of a PO dataset for the tailored BSA JCL.

The **Data Set Name** field is prepopulated with the name ***hlq*.BETA97.CNTL**, where ***hlq*** is the high-level qualifier of your installation datasets. The field **Product JCL here** is prepopulated with **YES**, which means that the tailored product JCL will be placed in the same PO dataset.

```
PEBSA15B ------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Setup Operating System and Job Environment

   Please enter or overtype below  the name of the JCL library (DSN) which
   is to contain the tailored JCL output of this installation procedure.

   In addition, for a complete product installation, you can decide if the
   JCL output  is to be placed  in a  common ( Product JCL here = YES ) or
   in separate JCL data set(s) ( Product JCL here = NO ).
   We recommend designating the data set as a common Beta JCL library .

   The library space requirements will be calculated by this procedure.
   The JCL library will be allocated SMS managed.
   Version 7 must have a different data set to any existing lower version.

     Data Set Name    ===> TEST1.INSTALL.BSA.CNTL
     Product JCL here ===> NO        (Y)ES OR (N)O

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Accept or modify the prepopulated values and press ENTER.

Note: The documentation assumes two separate libraries. The standard names used in the manuals are BSA.CNTL and BETA97.CNTL. If you specify **Product JCL here = NO**, you will be asked for the product JCL dataset before the tailoring of the product JCL (see PEIRI91B).

PEBSA02A

```
PEBSA02A ------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Setup Operating System and Job Environment

     All the jobs created during installation will be provided with jobcards.
     Enter or verify the sample jobcards below.

     Note: We recommend writing 'JOB' at the position indicated.
           (to guarantee correct file tailoring)


      //jobname  JOB parameter
                 vvv
 ===> //INSTTST  JOB  1,MEUSER,CLASS=A,MSGCLASS=P,NOTIFY=&SYSUID
 ===> //*
 ===> //*
 ===> //*


 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Confirm or modify the job card to be used for tailored JCL and press ENTER.

PEBSA1B0

The installation REXX supports the use of system symbols in the named areas, for example, in dataset names like this:

```
&SYSNAME..BETA97.CNTL
```

```
PEBSA1B0 ------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Setup Operating System and Job Environment

   Here you can specify whether you want to use system symbol support for
    - values in the started task procedure
    - some startup parameters on the BSA side (base and beta vdf)
    - database file names defined under BQLIN in installation job BxxDBFOR
   Enter YES to use system symbol support. Then you can enter values with
   system symbols in them. These values are  temporarily  substituted for
   syntax checking. A  warning  message appears if the system environment
   with the running procedure on it does not offer this support.
   Enter  NO  below to reject the system symbols support.

     System Symbol Support ===> NO    (Y)es or (N)o

   There is  no System Symbol Support for any parameters defined for beta
   caf and beta iaf, nor for values in the JCL of batch jobs.

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Do one of the following:

- Specify YES and press ENTER if you intend to use system symbols when providing values for the installation REXX. The installation REXX resolves system symbols when verifying datasets.
- Specify NO and press ENTER if you don't intend to use system symbols.

PEBSA21A

SMP/E uses a database made up of several types of datasets. PEBSA21A prompts you for the particulars of the SMP/E datasets to be used for your installation.

You can review and if necessary modify the dataset names in the following panel PEBSA21D. See the description of the BSA installation job I#BSAJ01 for summary information on these datasets.

```
PEBSA21A ------------------------------------------------------------------------
Command ===>                                                (or press the HELP key)

 Installation Procedure   -   Defining the common SMP/E environment

     If you want the SMP/E files to be placed on a unit  other than  3390
     fill in the unit type below. Also enter the  high level qualifier for
     the SMP/E data sets or confirm its default, and write the volume name.
     The SMP/E qualifier must differ from any that exists for lower versions.

     The SMP/E qualifier below must not be the same as the qualifier of the
     input data sets which are extracted from the installation download/DVD.
        Input Qualifier      : TEST1.INSTALL.BSA

        SMP/E Qualifier   ===> TEST1.INSTALL.SMPE
        SMP/E Volume Name ===> SMS
        SMP/E Unit Type   ===> SMS
        Special Way       ===> NO

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Enter the high-level qualifier of the SMP/E datasets for your new environment.

The panel may include a **Special Way** field, which enables you to specify SMS classes for these datasets (see PEBSA13C). Specify **SMS** for volume and unit type if you are using SMS.

PEBSA21D

This panel displays the datasets that will be allocated for your new environment when you run the installation jobs:

```
PEBSA21D ------------------------------------------------------------------------
Command ===>                                                (or press the HELP key)

 Installation Procedure   -   Defining the common SMP/E environment

    The following data sets are used for SMP/E. Here you can change the unit
    and volume serial name (volser) as well as the name of the SMP data sets
    to select a different one. However,do not change the last level qualifier.
    Refer to the bsa Installation and System Guide for a complete description.

      Data Set Name                                    Unit       Volser
 ------------------------------------------------------------------------------
      TEST1.INSTALL.SMPE.SMPPTS                        SMS        SMS
      TEST1.INSTALL.SMPE.SMPLOG                        SMS        SMS
      TEST1.INSTALL.SMPE.SMPLOGA                       SMS        SMS
      TEST1.INSTALL.SMPE.SMPLTS                        SMS        SMS
      TEST1.INSTALL.SMPE.SMPMTS                        SMS        SMS
      TEST1.INSTALL.SMPE.SMPSTS                        SMS        SMS
      TEST1.INSTALL.SMPE.SMPSCDS                       SMS        SMS

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Normally there is no reason to modify any of the displayed values. Press ENTER to continue.

PEBSA22B

Here you can specify the name for the CSI.

```
PEBSA22B ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Defining the common SMP/E environment

   This panel asks you for information  needed to allocate the consolidated
   software inventory (CSI) file.

   Please confirm or overtype  the name for the CSI file below. If you want
   it to be stored separately from the other SMP files and data sets, simp-
   ly overtype the volume name given below.
   The CSI must be different from any existing Beta CSI of lower BSA version.

     CSI File Name ===> TEST1.INSTALL.SMPE.CSI
                        ( The last level qualifier must be CSI )

     CSI Status       : NEW

     Volume Name   ===> SMS

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Press ENTER.

PEBSA23A

The values you specify here are used as input for the installation job I#BSAJ05, which copies the SMP/E procedure to your procedure library.

```
PEBSA23A ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Defining the common SMP/E environment

     In order to install version 7 with SMP/E you need an SMP/E procedure.
     One of the installation  batch jobs  will place  this procedure in a
     system procedure library.
     Enter the name of this  system procedure library and the member name
     to be used for the SMP/E procedure.

     Name of PROCLIB :
       ===> YOUR.PROCLIB

     Member Name :
       ===> BETASMPE

     The SMP/E procedure name must be different (unique) from any existing
     procedure name of lower versions.

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Provide the required values and press ENTER.

PEBSA23C

PEBSA23C prompts you for the name of the BSA installation datasets.

```
PEBSA23C ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Defining the common SMP/E environment

     The current procedure assumes  that BSA will be installed  from DASD.
     Please enter or  verify the  High Level Qualifier (HLQ)  of the SMP/E
     input libraries on DASD from which the BSA function will be received:

       SMP/E Input HLQ   ===> TEST1.INSTALL.BSA

     You can choose  another  assembler program  if you don't have ASMA90.
     This program will be defined  in the OPTIONS and UTILITY entry of the
     GLOBAL zone in your CSI.

       SMP/E ASM Utility ===> ASMA90          ( ASMA90 , IEV90 )

     Ensure that you have selected BSA on DVD and that unpack job CDUNPK00
     completed successfully before you (re)submit the receive job I#BSAJ08.

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Do the following:

- Enter the high-level qualifiers that you specified when you unpacked the BSA super file *hlqbsa*.CDFILE using *hlqbsa*.JOBLIB(CDUNPK00).
- Enter the assembler program of your choice.

PEBSA31A

It's a good idea to work with the standard zone names (GLOBAL, BETATGT, BETADLB), which you will find in almost all your tailored SMP/E installation jobs.

```
PEBSA31A ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Defining the common bsa environment

     Enter the name of the target and distribution zones  that are  to be
     used for the installation of Beta components and facilities.
     A job will be generated that establishes both zones in a new CSI file.
     This job must be submitted  together with the other installation jobs
     if you selected a new SMP/E environment.
     If you already have an SMP/E  environment  based on BSA version 7 and
     you would like to install  new components into the same CSI  then you
     must be sure  that you use the  same zone names  as you did  when you
     you first installed a product based on BSA version 7.
     If you install  incorrectly  'on top', an  error may occur in the CSI
     and prevent you from continuing the installation execution.

       Target zone name       ===> BETATGT     SMP/E environment : NEW
       Distribution zone name ===> BETADLB

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Press ENTER.

PEBSA31B

PEBSA31B prompts you for the particulars of the target library and distribution library to be used for your installation.

You can review and if necessary modify the dataset names and particulars in the following panel PEBSA31D.

The documentation uses the same high-level qualifier for target library and distribution library. For a list of the datasets, see the description of the BSA installation job I#BSAJ02.

```
PEBSA31B ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Defining the common bsa environment

    Enter the  high level qualifier(s)  for the BSA target and distribution
    libraries and pre-define unit types, volume serial names and blocksizes.

    Target Library
       High Level Qualifier ===> TEST1.INSTALL.BSA
       Unit                 ===> SMS
       Volume               ===> SMS
       BLKSIZE              ===> 6160         ( for LRECL=80 )

    Distribution Library
       High Level Qualifier ===> TEST1.INSTALL.BSA
       Unit                 ===> SMS
       Volume               ===> SMS
       BLKSIZE              ===> 6160         ( for LRECL=80 )

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Enter the high-level qualifier of the libraries.

PEBSA31D

This panel displays the datasets that will be allocated for your new environment when you run the installation jobs:

```
PEBSA31D ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Defining the common bsa environment
   Here you can change data set, unit type, volume serial name and blocksize
   for the data sets below used as target and distribution libraries.
 Data Set Name                                    Unit        Volser   Blksize
 ------------------------------------------------------------------------------
  TEST1.INSTALL.BSA.LOAD                          SMS         SMS       6144
  TEST1.INSTALL.BSA.ISPPLIB                       SMS         SMS       6160
  TEST1.INSTALL.BSA.ISPMLIB                       SMS         SMS       6160
  TEST1.INSTALL.BSA.ISPSLIB                       SMS         SMS       6160
  TEST1.INSTALL.BSA.ISPTLIB                       SMS         SMS       6160
  TEST1.INSTALL.BSA.SAMPLIB                       SMS         SMS       6160
  TEST1.INSTALL.BSA.ALOAD                         SMS         SMS       6144
  TEST1.INSTALL.BSA.AISPPLIB                      SMS         SMS       6160
  TEST1.INSTALL.BSA.AISPMLIB                      SMS         SMS       6160
  TEST1.INSTALL.BSA.AISPSLIB                      SMS         SMS       6160
  TEST1.INSTALL.BSA.AISPTLIB                      SMS         SMS       6160
  TEST1.INSTALL.BSA.ASAMPLIB                      SMS         SMS       6160
 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Normally there is no reason to modify any of the displayed values. Press ENTER to continue.

PEBSA32B

PEBSA32B prompts you for the particulars of a separate PO dataset, which will be used for the BSA and product load modules that require APF authorization.

Important: You will have to APF-authorize this library later and add it to your linklist concatenation.

```
PEBSA32B ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Defining the common bsa environment

      Some programs of BSA (Beta Systems Architecture) and of the products
      require  APF  authorization. All these programs  will be stored in a
      (commonly used) separate library (APFLOAD).
      This library will be created together with the BSA libraries.
      It must be APF authorized  and concatenated into the MVS linklist.

      Please enter the data set name of this APFLOAD as well as the unit
      type, volume serial name and blocksize.

        Data Set Name ===> TEST1.INSTALL.BETA.APFLOAD

        Unit          ===> SMS
        Volume Name   ===> SMS
        Blksize       ===> 6144

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Accept or modify the prepopulated values and press ENTER.

Note: The standard name used in the manuals is BETA.APFLOAD.

PEBSA32D

The purpose of PEBSA32D is similar to the panels that are displayed when you specify **Special Way = YES**.

```
PEBSA32D ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Defining the common bsa environment

      Here you have the opportunity to enter a storage class , management
      class and / or data class if it is required to allocate the APFLOAD.

      Leave the class names empty  if you want to allocate it  without any
      special specification. In this case default classes will be accessed
      depending on the SMS selection criteria in your system.

      Some programs of the BSA and of the products must run APF authorized
      and will be stored in the BETA.APFLOAD below.

        Data Set Name    ===> TEST1.INSTALL.BETA.APFLOAD
        Storage    Class ===>
        Management Class ===>
        Data       Class ===>

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Accept or modify the displayed values and press ENTER.

PEBSA32A

PEBSA32A prompts you for the particulars a PO dataset to be used as the Beta parameter library.

The members in this library are the so called LST members. The parameters stored in these members are the so-called LST parameters.

The name pattern of LST members is B*nn*LST*xx*, where *nn* identifies the product. xx can be any numeric or alphabetic character combination, and you will be prompted for this by the installation REXX.

The installation REXX will tailor the LST member B01LST*xx* (see PEBSA41B) and B97LSTxx (see PEXXXLST) with the LST parameters required for startup.

```
PEBSA32A ------------------------------------------------------------------------
Command ===>                                                 (or press the HELP key)

 Installation Procedure   -   Defining the common bsa environment

    All parameters  required by the  products and facilities  during startup
    execution will be stored in the Beta parmlib (default name BETA.PARMLIB).
    You can modify these startup parameters  after installation by using the
    normal TSO EDIT functions. Note, that some of the parmlib members may be
    modified by batch jobs generated by this installation procedure.

    We recommend to  specify a data set name  different  from any parmlib of
    lower versions to avoid unintentionally overwriting its members.

      Data Set Name ===> TEST1.INSTALL.PARMLIB

      Unit          ===> SMS
      Volume Name   ===> SMS
      (BLKSIZE will be the same as for your BSA libraries)

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Specify the dataset name and press ENTER.

PEBSA32C

The purpose of PEBSA32C is similar to the panels that are displayed when you specify **Special Way = YES**.

```
PEBSA32C ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Defining the common bsa environment

   This panel gives you the chance to enter the storage class , management
   class and/or data class if it is required to allocate the BETA.PARMLIB.

   Leave the class names empty if you want to allocate it without any spe-
   cial specification. In this case default classes will be accessed which
   are defined for the standard SMS selection criteria in your system.

   The parmlib below is used to collect all the startup parameters for the
   products and for the facilities.  You can  modify  the parameters in it
   by using TSO EDIT after the completion of the installation process.

      Data Set Name    ===> TEST1.INSTALL.PARMLIB
      Storage    Class ===>
      Management Class ===>
      Data       Class ===>

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Accept or modify the displayed values and press ENTER.

PEBSA32E

The names of these IBM Language Environment target libraries must be made known to the installation REXX.

```
PEBSA32E ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Defining the common bsa environment

    Now specify the  C  language  environment  libraries  for which  DDDEF
    entries will be created in your SMP/E target zone.

    The routines, which are included from the C languages libraries, are a
    prerequisite  for using the BSA Communication Server and other special
    BSA functions.

    The data set name of the libraries could be CEE.SCEELKED, CEE.SCEELKEX
    and CEE.SCEECPP. Please contact your  system administrator  if you are
    unsure where the libraries have been installed at your location.

      Data Set Name SCEELKED ===> CEE.SCEELKED
      Data Set Name SCEELKEX ===> CEE.SCEELKEX
      Data Set Name SCEECPP  ===> CEE.SCEECPP

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Accept or modify the displayed names and press ENTER.

PEBSA41B

The specified numeric or alphabetic character combination will be used as identifier xx of the global LST member B01LSTxx (see PEBSA32A).

```
PEBSA41B ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Defining SMP/E and common BSA environment

     All  global values  relevant to  the product or facility execution are
     stored in the BETA.PARMLIB under member name B01LSTxx, where 'xx' is a
     two-digit identifier  you specify below. This two-digit identifier can
     be a number, two letters, or a mix of both.
     The following panels will ask you to enter the BSA global values which
     will be tailored into the parmlib member by the installation procedure.

     If you already have a version 7 production environment and would like
     to install a  test  environment, this option can be used to specify an
     alternate B01LSTxx member for testing new BSA global values.

     Please enter the identifier for B01LSTxx below :

       LST number for B01LSTxx ===> 00       ( 00 to 99 or AA to ZZ )

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Specify a two-digit identifier (it doesn't have to be numeric) and press ENTER.

PEBSA41A

PEBSA41A prompts you for the number of the BETA SVC and the dataset name of your LPALIB.

```
PEBSA41A ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Defining SMP/E and common BSA environment

     All Beta Systems products and facilities require the Beta user SVC
     for certain common functions.  This SVC (type 3 or 4) is installed
     with the base components of BSA and is placed into the LPA library
     (LPALIB) by a special installation job generated here.
     Please enter the SVC number  to assign to this SVC and the name of
     the LPALIB  into which  this SVC will be linked.

     Choose a SVC number between 200 and 255 and enter it below :

       ===> 254

     Enter the data set name of your LPALIB here :

       ===> TEST1.INSTALL.LPALIB

 Enter BACK for the previous panel or BEGIN for the panel where you selected
 the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Enter the chosen number and the name of your LPALIB.

PEBSA51A

The BSA part of the installation REXX is generic and therefore provides more than one product.

Your installation medium includes only one product. Choose it.

```
PEBSA51A ------------------------------------------------------------------
Command ===>                                                Scroll ===> PAGE

 Installation Procedure   -   Select beta docz plus (AAR) for installing it

   Please select ( S ) the requested product(s) and press the ENTER key.



 Select Product      Version  Title/Result
 ------------------------------------------------------------------------------
        Beta32                Product not included in installation setup
        Beta77                Product not included in installation setup
        Beta88                Product not included in installation setup
        Beta89                Product not included in installation setup
        Beta91                Product not included in installation setup
        Beta92                Product not included in installation setup
        Beta92 EJM            Product not included in installation setup
        Beta93                Product not included in installation setup
        Beta93 VPF            Product not included in installation setup
        Beta93 FR    V7R2M0   beta docz plus - Symphony
S       Beta97 AAR   V7R2M0   Adabas Audit Data Retrieval
        Beta93 DT             Product not included in installation setup
****************************** Bottom of data ********************************
```

Action: Enter the line command **S** in front of the highlighted product entry.

PEXXX0A0

PEXXX0A0 welcomes you to the product part of the installation REXX.

```
PEXXX0A0 ------------------------------------------------------------------
Command ===>                                          (or press the HELP key)

 Installation Procedure   -   Installing AAR

                  Welcome to the installation procedure for
                         Adabas Audit Data Retrieval
    ---------------------------------------------------------------------
    The following panels will ask you to describe  how the selected product
    is to be customized for your installation. Please enter the information
    requested in each panel and press ENTER. The following special commands
    can be entered at any time to help you navigate through this procedure:

    Enter BACK  to review and / or change the values in the previous panel.

    Enter BEGIN to go back to the first panel of this product procedure.
    You can then review / change all of the information previously entered.

    Press END   to go back to the product selection menu in the BSA proce-
    dure. You can then cancel all the product information already entered.

 Enter BACK for the previous panel. Press the ENTER key to continue.
```

Action: Read and press ENTER.

PEXXX11A

Like PEBSA31B for BSA, just for product.

```
PEXXX11A ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Defining AAR Product Libraries

     Enter the high level qualifier(s) to be used for the product target
     and distribution libraries, unit types, volume names, and blksizes.

     Target Library
        High Level Qualifier ===> TEST1.INSTALL.BETA97
        Unit                 ===> SMS
        Volume               ===> SMS
        Blksize              ===> 6160

     Distribution Library
        High Level Qualifier ===> TEST1.INSTALL.BETA97
        Unit                 ===> SMS
        Volume               ===> SMS
        Blksize              ===> 6160

 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Enter the high-level qualifier of the libraries.

PEIRI12A

```
PEIRI12A ------------------------------------------------------------------------
Command ===>                                                  (or press HELP key)

 Installation Procedure   -   Defining AAR Product Libraries

   The following data sets will be used as target libraries.
   Here you may change the data set, unit, serial names, and block size to
   meet your special installation needs.

 Data Set Name                                  Unit        Volser   Blksize
 ------------------------------------------------------------------------------
  TEST1.INSTALL.BETA97.LOAD                     SMS         SMS       6144
  TEST1.INSTALL.BETA97.ISPPLIB                  SMS         SMS       6160
  TEST1.INSTALL.BETA97.ISPMLIB                  SMS         SMS       6160
  TEST1.INSTALL.BETA97.ISPSLIB                  SMS         SMS       6160
  TEST1.INSTALL.BETA97.SAMPLIB                  SMS         SMS       6160



 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Normally there is no reason to modify any of the displayed values. Press ENTER to continue.

PEIRI12B

Like BSA panel PEBSA31D, but for product.

```
PEIRI12B ------------------------------------------------------------------------
Command ===>                                                 (or press HELP key)

 Installation Procedure   -   Defining AAR Product Libraries

   The following data sets will be used as distribution libraries.
   Here you may change the data set, unit, serial names, and block size to
   meet your special installation needs.

 Data Set Name                                  Unit        Volser   Blksize
 ------------------------------------------------------------------------------
  TEST1.INSTALL.BETA97.ALOAD                    SMS         SMS       6144
  TEST1.INSTALL.BETA97.AISPPLIB                 SMS         SMS       6160
  TEST1.INSTALL.BETA97.AISPMLIB                 SMS         SMS       6160
  TEST1.INSTALL.BETA97.AISPSLIB                 SMS         SMS       6160
  TEST1.INSTALL.BETA97.ASAMPLIB                 SMS         SMS       6160




 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Normally there is no reason to modify any of the displayed values. Press ENTER to continue.

PEXXX21A

PEXXX21A and the following panels are about the Adabas Audit Data Retrieval database.

```
PEXXX21A ------------------------------------------------------------------------
Command ===>                                             (or press the HELP key)

 Installation Procedure   -   Set Up AAR Database

     Please enter or verify the high level qualifier(s) and VSAM owner
     for the databases (VSAM ESDS) of AAR.

       VSAM Data Set HLQ ===> TEST1.INSTALL.BETA97.DB

       VSAM Owner        ===> B97

     Please enter the volume serial of the disk  on which the database
     files are to be allocated.

       Database Volume   ===> SMS




 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Provide the requested information and press ENTER.

PEXXX21C

The database definition file (DEFI file) contains the definitions for all the databases which are used by Adabas Audit Data Retrieval.

The standard name used in the manuals is BETA97.DB.DEF.

```
PEXXX21C ------------------------------------------------------------------------
Command ===>                                            (or press the HELP key)

 Installation Procedure   -   Set Up AAR Database


     The database will be controlled by the following definition file.


     Enter the cluster name and volume for this file below :


            Cluster Name                                  Volume

       ===> TEST1.INSTALL.BETA97.DB                ===> SMS




 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Normally there is no reason to modify any of the displayed values. Press ENTER to continue.

PEIRI21D

PEIRI21D prompts you to specify particulars for the various spool files, which are all components of the Adabas Audit Data Retrieval database.

```
PEIRI21D ------------------------------------------------------------------------
Command ===>                                              (or press HELP key)

 Installation Procedure   -   Set Up AAR Database

     The following VSAM dataset for database synchronization  and the first
     spool, cache, index, global index, and spool reload file are required.

     You may change the cluster names, volume, and space  in this panel. We
     recommend to use a 'fast / quiet' volume for the sync file.  The space
     units for the files are in cylinder(s).

                 Cluster Name                                 Volume      Space
 SYNC  File ===> TEST1.INSTALL.BETA97.DB.SYNC            ===> SMS       : 1
 INDEX File ===> TEST1.INSTALL.BETA97.DB.INDEX1          ===> SMS    ===> 100
 GLOBL File ===> TEST1.INSTALL.BETA97.DB.GLOBL1          ===> SMS    ===> 100
 CACHE File ===> TEST1.INSTALL.BETA97.DB.CACHE1          ===> SMS    ===> 100
 SPOOL File ===> TEST1.INSTALL.BETA97.DB.SPOOL1          ===> SMS    ===> 20
 RELOD File ===> TEST1.INSTALL.BETA97.DB.RELOD1          ===> SMS    ===> 20

 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Provide the requested information and press ENTER.

Note: Space values are in cylinders. The minimum size (20 cylinders) is okay for the RELOD File, but the SPOOL File should not be smaller than INDEX, GLOBL, and CACHE. See the description of the spool files in *Adabas Audit Data Retrieval Administrator Guide* and decide accordingly.

PEIRI21E

It is possible to use software mirroring for the displayed components of the database.

Software mirroring should only be used as a fallback, in the unlikely event that hardware mirroring is not available for the volumes where the databases are stored.

```
PEIRI21E ------------------------------------------------------------------------
Command ===>                                                 (or press HELP key)

 Installation Procedure   -   Set Up AAR Database

     Please specify which DB files you want to perform mirroring on.

       Mirror Main Database   ===> NO     (Y)es or (N)o
       Mirror List Database   ===> NO     (Y)es or (N)o
       Mirror Arc  Database   ===> NO     (Y)es or (N)o
       Mirror Sfr  Database   ===> NO     (Y)es or (N)o
       Mirror Lgf  Database   ===> NO     (Y)es or (N)o

     Please enter  the volume serial  for the mirror DB files. It is
     strongly recommended  that you use a  different volume  for the
     mirror databases.

       Mirror Database Volume ===> SMS


 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Check with your system programmers. Then replace each YES in this panel with NO and press ENTER.

PEXXX22A

PEXXX22A prompts you to specify particulars for various VSAM clusters, which are all components of the Adabas Audit Data Retrieval database.

Each VSAM cluster comprises a key component and a data component. The ratio between the two should not be changed.

```
PEXXX22A ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Set Up AAR Database

    The following VSAM cluster(s) are allocated. You can change volume and
    space and in special cases the names. The space units are in cylinders.
    Pay special attention to space limits (28 GB max. size for VSAM files).

                Cluster Name                                    Volume     Space

 for MAIN     Database :
    Key    ===> TEST1.INSTALL.BETA97.DB.MAIN.KEY        ===> SMS    ===> 10
                                                     Secondary Space ===> 0
    Data   ===> TEST1.INSTALL.BETA97.DB.MAIN            ===> SMS    ===> 20
                                                     Secondary Space ===> 0




 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Provide the requested information for each VSAM cluster and press ENTER.

Note: Specifying secondary space enables the automatic enlargement of the corresponding component as needed. The specified value refers to the maximum number of extents.

PEXXXLST

Like PEBSA41B for BSA, just for product.

The specified numeric or alphabetic character combination will be used as identifier xx of the product LST member B97LSTxx (see PEBSA32A).

```
PEXXXLST ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Installing AAR

                    The Adabas Audit Data Retrieval
   requires  certain initial execution values  during the initialization of
   the product started task and batch jobs.  These values are stored in the
   BETA.PARMLIB in member name B97LSTxx where 'xx' consists  of a two-digit
   number, two characters or a mix of both. The next panels will ask you to
   enter the values which are tailored into this parmlib member.

   If you already have a production environment and would like to install a
   test environment, this option can be used to specify an alternate member
   B97LSTxx for testing new values of AAR.

   Please enter the identifier of the B97LSTxx below :

     LST number for B97LSTxx ===> 00    ( 00 to 99 or AA to ZZ )

 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Specify a two-digit identifier (it doesn't have to be numeric) and press ENTER.

PEXXSSID

The subsystem ID is a max. 4-digit identifier, which must be unique in your sysplex.

The entry in member IEFSSNxx is used when you IPL the system. For information on defining a subsystem dynamically, see *BSA Installation and System Guide*.

```
PEXXSSID ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Installing AAR

     This panel asks you for the Subsystem ID that is to be given to the
     started task of AAR.
     This ID must be present in member IEFSSNxx of SYS1.PARMLIB when you
     IPL your MVS system before starting the started task.

     Enter a subsystem below  compliant with  the naming conventions for
     this method, i.e.  no more than 4 alphanumeric characters beginning
     with an alphanumeric character, or beginning with #, § or $.

     Subsystem ID :

       SSID ===> B97A

     Keep in mind that Subsystem names must be unique in your environment.

 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Provide the requested value and press ENTER.

PEXXX31B

PEXXX31B requests additional values, which describe the subsystem you are about to install.

The VTAM network ID can be displayed in the system (SYS) panel of SDSF (**NetID** column).

```
PEXXX31B ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Installing AAR

     In addition to the  subsystem ID  which you entered  previously,
     the following information  is required  to provide  descriptive
     information about the product system you are installing.

     Please enter your system  VTAM net ID, name, location, and title
     below. You can choose any values which best describe your system.

       VTAM Net ID     ===> YOURID

       System Name     ===> PROD

       System Location ===> BERLIN

       System Title    ===> Adabas Audit Data Retrieval

 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Provide the requested values and press ENTER.

PEXXXSTC

Installation job I#B97J07 copies the started task procedure to your procedure library. Panel PEXXXSTC prompts you for the required information.

```
PEXXXSTC ------------------------------------------------------------------
Command ===>                                          (or press the HELP key)

 Installation Procedure    -  Set up AAR startup parameter

     The subsystem runs as a started task in its  own address space. Here
     you must enter the started task procedure name for the above product.
     One of the installation jobs will place a member with this name into
     the required  system  procedure library (PROCLIB).

     Enter the name of the procedure library for the started task below :

       Name of PROCLIB    ===> YOUR.STC.PROCLIB

     Enter the name to be used for the started task procedure :

       Started Task Proc. ===> BETA97

     Remember that  all  started task procedures  which are required for
     the products will be placed into the above procedure library.

 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Provide the requested values and press ENTER.

PEIRI32A

PEIRI32A prompts you specify standard values for the subsystem you are about to install.

These values will end up in the subsystem options record of your system (Option **S.2**).

```
PEIRI32A ------------------------------------------------------------------
Command ===>                                              (or press HELP key)

 Installation Procedure   -   Installing AAR

    In the following you are asked for information which is required for the
    product to work.
    The values below are collected in the  System Option Record  (S#97ISYS).

      System Date Mask  ===> DD.MM.YYYY (DD.MM.YYYY,DD/MM/YYYY,YY.DDD,YYYY.DDD,
                                        MM/DD/YY,DD.MM.YY,DD/MM/YY,MM/DD/YYYY..
      System Language   ===> E          (E)nglish, (G)erman       ..YYYY-MM-DD)
      Lines per Page    ===> 55

    In addition  please enter below the default  media type  which should be
    used to archive data :

      Archive Media     ===> TAPE       (T)ape, (D)isk, or (O)disk


 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Provide the requested value and press ENTER.

PEIRI32E

PEIRI32E prompts you to specify standard values for the subsystem you are about to install.

These values will be used for the parameters B97_MAXIMUM_HITS_ALLOWED and B97_RC_TIMEOUT in the tailored LST member B97LST*xx*.

```
PEIRI32E ------------------------------------------------------------------------
Command ===>                                                  (or press HELP key)

 Installation Procedure   -   Installing AAR

    To limit the resource usage some options are possible which are stored
    into the B97LST parmlib member (B97LSTxx).

    Enter below how many  hits  are allowed in maximum  per index query re-
    quest ( maximum hits allowed )  and the time in minutes after which the
    resources (storage), hold for a list, are freed  and the list is closed
    in the case of inactivity ( resource control timeout ).

      Maximum Hits Allowed      ===> 5000        ( 0 ... nnnnnn )

      Resource Control Timeout  ===> 45          ( 1 ... nnn minutes )



 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Provide the requested values and press ENTER. Using the defaults is okay.

PEIRI32X

PEIRI32X prompts you to specify standard values for the subsystem you are about to install.

This value will be used for the parameter and B97_TC_TIMEOUT in the tailored LST member B97LST*xx*.

```
PEIRI32X ------------------------------------------------------------------------
Command ===>                                                  (or press HELP key)

 Installation Procedure   -   Installing AAR

    Some additional information is required which is collected in the B97LST
    parmlib member (B97LSTxx).

    Please enter the timeout value ( user522 ) after an inactive user gets
    an error message at the next access  because the resources hold by him
    in beta docz plus are freed meanwhile.  A value of zero means no time-
    out.

      User Timeout (522) ===> 60           ( 0 ... nnn minutes )




 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

PEIRI32Y

PEIRI32Y prompts you to specify standard values for the subsystem you are about to install.

These values will be used for the parameter B97_TCPIP_PORT_AAV in the tailored LST member B97LST*xx*.

The B97_TCPIP_PORT_AAV parameter is evaluated by the BSA TCP/IP server, which is the component on the z/OS side that enables TCP/IP communication between Adabas Audit Data View (AAV) and Adabas Audit Data Retrieval (AAR). At STC start, the BSA TCP/IP server binds to the specified address/port and starts listening for incoming requests from Adabas Audit Data View (AAV).

```
PEIRI32Y ------------------------------------------------------------------------
Command ===>                                                 (or press HELP key)

 Installation Procedure   -   Installing beta docz plus (AAR)

     Some information are required  to establish  the communication between
     Adabas Audit Data Retrieval (AAR)  and  Adabas Audit Data View (AAV)
     via TCP/IP .  These parameters must be stored  into member B97LSTnn of
     the Beta parmlib library.

     Enter below the  name of the  TCP/IP started task  in your z/OS system
     and the IP address of the TCP/IP stack:
       TCP/IP Started Task ===> TCPIP
       TCP/IP Address      ===> 11.11.11.1          (in point notation)

     Enter here the port number which identifies the Adabas Audit Data View
     (AAV) communication to TCP/IP. This port number must be unique in your
     system.
       TCP/IP Port Number  ===> 11111

 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Specify the following in the corresponding fields:

TCP/IP Started Task	Name of the TCP/IP started task (TCP/IP stack) on the z/OS system (max. 8 characters)
TCP/IP Address	Bind address of the BSA TCP/IP server, for example, a specific numeric address or **0.0.0.0** for all available IPv4 addresses.
TCP/IP Port Number	Listening port

PEIRI32G

PEIRI32G prompts you to specify standard values for the subsystem you are about to install.

These values will end up in the LST member B97LSTxx.

```
PEIRI32G ------------------------------------------------------------------------
Command ===>                                                 (or press HELP key)

 Installation Procedure   -   Installing AAR

    Some additional information is required which is collected in the B97LST
    parmlib member (B97LSTxx).

      Procedure Name for
            Automatic Reload ===> B97RLDA

    Dependent on your z/OS version (*) you may write the product SMF records
    with the extended IBM SMF header format (V1) or not (V0).

      IBM SMF Header Version ===> 0         (0,1)

      SMF Record Number      ===> 197       (V0: 128-255, V1: 128-1151)

    (*) av. with z/OS 2.3

 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Provide the requested value and press ENTER.

PEXXXPWD

PEXXXPWD prompts you for the name of your license file. The specified value will be used for the parameter B97_LICX_DSNAME.

Important: Users of Adabas Audit Data Retrieval obtain their license file from Software AG (see "Licensing information" on page 5). Please do **not** contact the e-mail address displayed in the panel if you need a valid license file for Adabas Audit Data Retrieval.

```
PEXXXPWD ------------------------------------------------------------------------
Command ===>                                               (or press the HELP key)

 Installation Procedure   -   Installing AAR

            A license file is required for the proper operation of
                        Adabas Audit Data Retrieval
     The licensing information is supplied as license file which must be
     defined in your Parmlib member under the keyword B97_LICX_DSNAME.

     Please enter the data set name (DSN) of this license file which can
     be obtained from the Beta Order Desk at OrderDesk@BetaSystems.com .
     This data set name will be tailored into the Parmlib member B97LSTxx.

     Enter the data set name of the license file for the products below :
       Data Set Name ===> TEST1.INSTALL.BSA.LICX

     Failure to do so correctly will result in product disablement.
     Refer to the bsa Installation & System Guide for further information.

 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Specify the name (PO dataset with member name or PS dataset) and press ENTER.

PEXXX6A0

PEXXX6A0 informs you how much disk space is required by the installed system based on the values that you have specified.

```
PEXXX6A0 ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Estimate AAR Storage Amount

   Most of the information related to the space requirements for the product
   are available now. At least    834   cylinders are needed to allocate the
   environment and database if you are creating a new system for AAR.
   Refer to the appropriate 'Installation and System Guide' to determine the
   space required for BSA and the other Beta Systems products.

     Product Data Sets ===> 222          ( CYLs )
     Product Database  ===> 612          ( CYLs )


   If you want to  change  the amount of space, you will need to go back to
   the appropriate sections in Setting up the beta docz plus database.

   Go BACK to the appropriate section to change space in detail.

 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Read and press ENTER.

PEIRI91B

PEIRI91B asks you for the name of the PO dataset to be used for the tailored product installation jobs and other members.

This panel is displayed only if you have specified **Product JCL here = NO** in panel PEBSA15B.

```
PEIRI91B ------------------------------------------------------------------------
Command ===>                                                (or press HELP key)

 Installation Procedure   -   Tailoring AAR Batch Jobs

     This panel concerns the data set which is to contain the tailored JCL
     output of the installation procedure.

     Please enter or overtype the dataset name below.
     If this dataset  does not yet exist  it will be allocated SMS managed
     as desired at the starting point of the installation procedure.

     The space requirements will be computed by this procedure.


     Data Set Name ===> TEST1.INSTALL.BETA97.CNTL




 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Accept or modify the displayed name and press ENTER.

PEXXX9A0

PEXXX9A0 informs that the product installation jobs and other members are now about to be tailored according to your specifications.

```
PEXXX9A0 ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Tailoring AAR Batch Jobs


     All the information required for tailoring the installation batch jobs
     has been entered for AAR.

     These installation batch jobs will now be created and placed into the
     data set TEST1.INSTALL.BETA97.CNTL

     Press the ENTER key to start file tailoring.
     A message will appear when this tailoring process is complete.


     Please be patient while the batch jobs are being created.



 Enter BACK for the previous panel or BEGIN for the first panel.
 Press the ENTER key to continue.
```

Action: Read and press ENTER. The next panel will show the progress of the tailoring of the members.

PEXXX92A

Panel PEXXX92A shows the progress of the file tailoring.

```
PEXXX92A ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Tailoring AAR Batch Jobs


                        File tailoring in progress:




                    Member   xxxxxxx  is being created.

                nn job(s) completed and  mm job(s) remain.









 Please be patient while the file tailoring is in progress.
```

Action: Be patient.

PEXXX93A

Note and read carefully: File tailoring is now complete for the product members and the installation REXX is about to save product-related values in the profile dataset.

But don't end the installation REXX prematurely. File tailoring for BSA members hasn't even started yet.

```
PEXXX93A ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Tailoring AAR Batch Jobs

     File tailoring is now complete for the product AAR.
     The installation procedure will now store all values specified in the
     current product installation procedure into the profile library:

       TEST1.INSTALL.PROFILE


     You can use  this library  the next time  you run  this installation
     procedure to restore these product values as default.

     Please be  patient while the values are  being stored.  This usually
     takes some time to complete.

     After that you have still to complete the BSA installation procedure.


 Press the ENTER key to continue.
```

Action: Read and press ENTER.

PEXXX9B0

PEXXX9B0 informs you that the tailoring of the product JCL has finished and that you will be returned to the BSA part of the installation REXX.

```
PEXXX9B0 ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Tailoring AAR Batch Jobs

       The product batch jobs are now complete for:
                       Adabas Audit Data Retrieval

       Further information on these product batch jobs can be found in
       the AAR Installation and System Guide.

       After completing  the installation procedure of BSA components
       please refer to the appropriate  Installation and System Guide
       to complete the installation of AAR.

       You must press ENTER here to resume BSA installation.
       After you have entered all the values required to install BSA,
       the BSA jobs will be tailored and the BSA values will be saved
       into your profile library.


 Press the ENTER key to continue with the BSA installation procedure.
```

Action: Read and press ENTER.

PEBSA51A

We have seen PEBSA51A before, but now it says **Procedure completed**.

By not selecting anything here, we inform the installation REXX that we want to resume the BSA part.

```
PEBSA51A ------------------------------------------------------------------------
Command ===>                                                  Scroll ===> PAGE

 Installation Procedure   -   Select beta docz plus for installing it

   Please select ( S ) the requested product(s) and press the ENTER key.

     Press the ENTER key to continue.

 Select Product      Version  Title/Result
 ------------------------------------------------------------------------------
        Beta32                Product not included in installation setup
        Beta77                Product not included in installation setup
        Beta88                Product not included in installation setup
        Beta89                Product not included in installation setup
        Beta91                Product not included in installation setup
        Beta92                Product not included in installation setup
        Beta92 EJM            Product not included in installation setup
        Beta93                Product not included in installation setup
        Beta93 VPF            Product not included in installation setup
        Beta93 FR    V7R2M0   beta docz plus - Symphony
        Beta97 AAR   V7R2M0   Procedure completed
        Beta93 DT             Product not included in installation setup
****************************** Bottom of data ********************************
```

Action: Press ENTER.

PEBSA9A0

PEXXX9A0 informs that the BSA installation jobs and other members are now about to be tailored according to your specifications.

```
PEBSA9A0 ------------------------------------------------------------------------
Command ===>                                            (or press the HELP key)

 Installation Procedure   -   Tailoring BSA and facility batch jobs


     All the information required for file tailoring has been entered.

     The installation batch jobs will now be created and placed in the
     dataset TEST1.INSTALL.BSA.CNTL

     Press the ENTER key to start file tailoring. A message will appear
     when the installation process is complete.

     Please be patient while the batch jobs are being created.




  Enter BACK for the previous panel or BEGIN for the panel where you selected
  the old or new SMP/E and BSA environment.  Press the ENTER key to continue.
```

Action: Read and press ENTER. The next panel will show the progress of the tailoring of the members.

PEBSA91A

Panel PEBSA91A shows the progress of the file tailoring.

```
PEBSA91A ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Tailoring BSA and Beta Facility Jobs


                        File tailoring in progress:




                    Member   xxxxxxx  is being created.

                nn job(s) completed and  mm job(s) remain.









 Please be patient while the file tailoring is in progress.
```

Action: Be patient.

PEBSA92A

File tailoring is now complete for the BSA members and the installation REXX is about to save BSA-related values in the profile dataset.

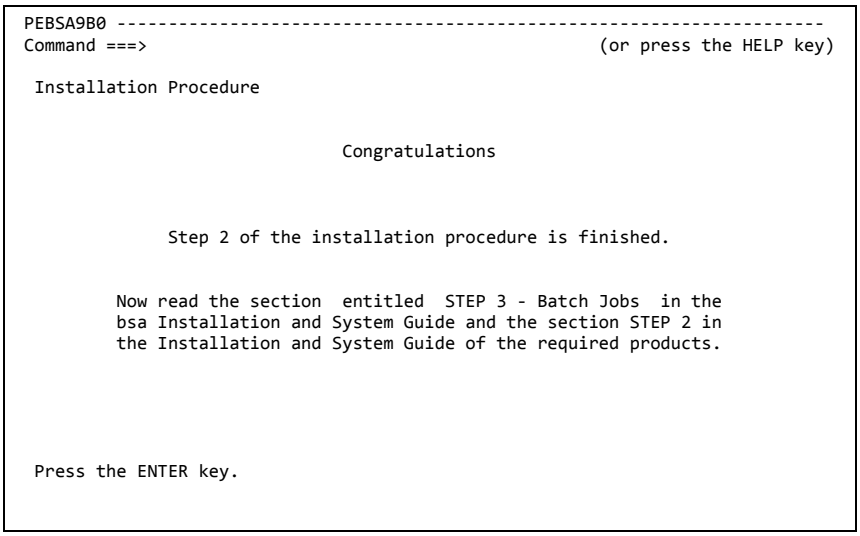
```
PEBSA92A ------------------------------------------------------------------------
Command ===>                                              (or press the HELP key)

 Installation Procedure   -   Tailoring BSA and facility batch jobs


     The File tailoring of the BSA and SMP/E JCL members is now complete.
     The installation procedure will now  store  all values specified in
     the bsa installation procedure into the Beta profile library :

       TEST1.INSTALL.PROFILE


     You can use this library  the next time  you run  this installation
     procedure to restore these values.


     Please be patient  while the values  are being stored. This usually
     takes some time to complete.


 Press the ENTER key to continue.
```

Action: Read and press ENTER.

PEBSA9B0

PEBSA9B0 is the last panel to be displayed by the installation REXX.

The panel informs you that the next step is the submission of the tailored batch installation jobs and where you can find descriptions of them.



Action: Press ENTER.

SMP/E terms and concepts

Overview

SMP/E is IBM's tool for managing software installations on the z/OS mainframe. SMP/E manages software versions, helps apply patches and updates (PTFs), facilitates orderly testing and, if necessary, reversion to a previous state.

This section explains some of the basic terms and concepts used by SMP/E. If you need more detailed information on SMP/E, see the IBM documentation.

Tailored installation jobs

If applicable, this section also points out where SMP/E commands and actions are reflected in the tailored installation jobs. The standard installation assumes that BSA V7R1, Beta 23 V7R2, and Adabas Audit Data Retrieval V7R2 are installed in the same SMP/E environment.

SYSMODs

The basic building blocks of software include object modules, skeletons, panels, and other types of data. All of these building blocks are called elements.

A SYSMOD is a package for SMP/E that includes the element together with information that SMP/E needs to install and track system modifications. Each SYSMOD is assigned a seven character SYSMOD ID to uniquely identify it.

There are four different categories of SYSMODs:

- Function SYSMODs introduce the elements for a product.
- PTF (program temporary fix) SYSMODs prevent or fix problems with an element, or introduce new elements.
- APAR (authorized program analysis reports) SYSMODs fix problems with an element (not used by Beta Systems).
- USERMOD (user modifications) SYSMODs customize an element.

FMID

The seven character FMID (Function Module ID) identifies a piece of software and its release number.

For example, the FMID of BSA V7R1 is RBS7100.

The FMID enables SMP/E to identify the various building blocks as belonging to the same piece of software.

Modification control statement (MCS)

Modification control statements (MCS) at the beginning of the SYSMOD package provide management instructions for SMP/E. Each MCS start with ++ as the first two characters, for example, **++PTF(*ptfnum*)** identifies a PTF SYSMOD and **++HOLD(*reason*)** instructs SMP/E to keep a PTF in the global zone until the reason has been confirmed.

Consolidated software inventory (CSI)

The CSI datasets contain all the information SMP/E needs to track the elements in the distribution and target libraries.

The CSI stores information in three zones:

- The distribution zone is for entries that represent the elements found in the distribution libraries.
- The target zone is for entries that represent the elements found in the target libraries.
- The global zone has entries that identify the target and distribution zone and data on SMP/E processing.

Tailored installation jobs

I#BSAJ01 through I#BSAJ05 create a new SMP/E environment.

Target library and distribution library

A **distribution library** contains all the elements that are used as input for running your system. One very important use of the distribution libraries is for backup. Should a serious error occur with an element on the production system, the element can be replaced by a stable level found in the distribution library.

A **target library** contains all the executable code needed to run the system.

Tailored installation jobs

I#BSAJ06 through I#BSAJ07 allocate and define libraries for BSA.

I#B23J01 defines the BSA libraries also for Beta 23.

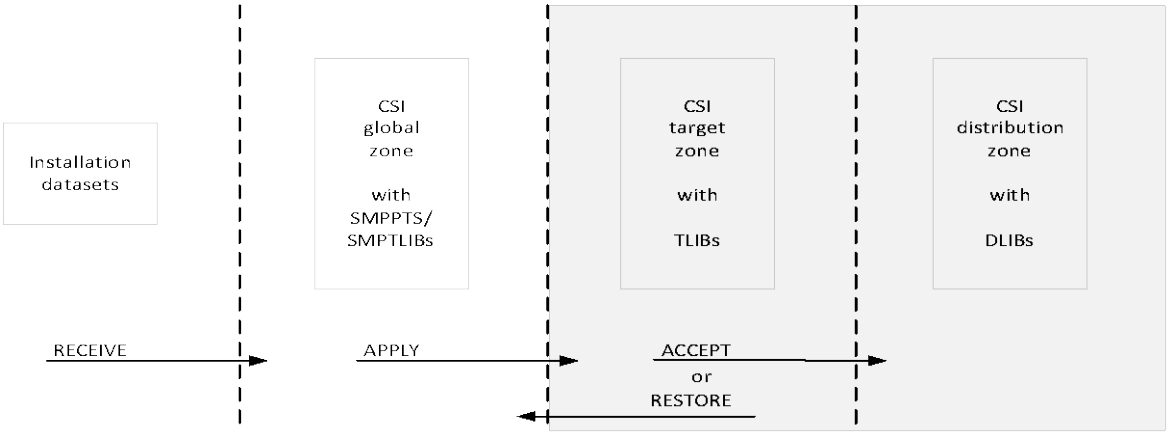
I#B97J01 through I#B97J02 allocate and define libraries for Adabas Audit Data Retrieval.

RECEIVE, APPLY, and ACCEPT

SMP/E installs SYSMODs in your target and distribution libraries.

The three basic commands provided for this are RECEIVE, APPLY, and ACCEPT.

1. The RECEIVE command gets the SYSMODs from the input dataset and copies them to an SMP/E temporary storage area in the global zone (SMPPTS dataset for MCSs and inline elements, SMPTLIB dataset for RELFILE).
2. The APPLY command installs the SYSMODs into the target system libraries.
3. The ACCEPT command installs the SYSMODs into the distribution libraries (used by Beta Systems only for function SYSMODs).



The RESTORE command reverts to a previous state. RESTORE is not possible after ACCEPT.

Tailored installation jobs

I#BSAJ08 through I#BSAJ09 do the RECEIVE/APPLY/ACCEPT for the BSA SYSMODs.

I#B23J02 through I#B23J04 do the RECEIVE/APPLY/ACCEPT for the Beta 23 SYSMODs.

I#B97J03 through I#B97J05 do the RECEIVE/APPLY/ACCEPT for the Adabas Audit Data Retrieval SYSMODs

Note: There is no ACCEPT in the tailored installation jobs for PTF SYSMODs, only RECEIVE and APPLY.

BSA installation and maintenance jobs

Which BSA jobs need to run?

The job table in the current section shows which BSA jobs have to be run by new and existing users of Adabas Audit Data Retrieval.

Region size for SMP/E jobs

Use region 0M in your SMP/E procedure for all SMP/E jobs.

Before submitting BSA installation jobs ...

Stop all BSA V7-based started tasks using target libraries referenced in the DDDEFs in your SMP/E environment.

Job table

The following table shows the BSA jobs that have to run in sequence (top-down) when installing or applying maintenance. For more information on each job, see *BSA Installation and System Guide*.

Run the jobs that are marked with an **X** in the column of your currently installed level. **(X)** indicates that a job has to run under certain conditions only. A superscripted number indicates the presence of a note with additional information. Read this note first before submitting the job.

		New installation			
			Max. RC (*stepname if rc<>0*)		
				Your RC	
					Your notes
I#BSAJ01: allocate SMP/E files		X	0		
I#BSAJ02: allocate new libraries		X	0		
I#BSAJ03: allocate SMP/E CSI		X	0		
I#BSAJ04: initialize SMP/E CSI		X	0		
I#BSAJ05: copy SMP/E procedure		X	0		
I#BSAJ06: add zones/SMPDDDEFs		X	0		
I#BSAJ07: add BSA DDDEFs		X	0		
I#BSAJ08: receive functions/PTFs		X [1]	0		
I#BSAJ09: apply/accept functions		X	0		
I#BSAJ10: apply PTFs (includes PTFs with ++HOLD) [2]		X	4 or 12 [3] (BSSPTF)		
I#BSAJ11: link SVC		(X) [4]	0		
I#BSAJ12: allocate Parmlib		X	0		
I#BSAJ13: copy B01LST*xx*		X	0		

Note 1: I#BSAJ08

The highest PTF of BSA level 1771-02 is PBS4297. We recommend that you contact support to find out whether there are any newer PTFs that should be installed.

Note 2: I#BSAJ10

One BSA PTF is defined with the SMP/E parameter ++HOLD... SYSTEM REASON(...). ++HOLD.

This is meant to draw your attention to the fact that this PTF requires subsequent action:

PTF	Affected module	Required actions
PBS4215	BST01SVC	1. Relink SVC (I#BSAJ11) 2. Activate SVC (e.g. SVCUPDTE)

Important: You must ensure that all of the following is done:

1. I#BSAJ10 must run with BYPASS(HOLDSYS(*reason*)) to apply the PTF.
2. I#BSAJ11 must run to relink the Beta SVC.
3. The new SVC must be activated after relinking (job SVCUPDTE, for example).

Applying PTFs with ++HOLD

Expect I#BSAJ10 to terminate with RC=8 if there are PTFs that have not yet been applied. This is indicated by the following messages in SMPOUT:

```
GIM30206E ** APPLY PROCESSING FAILED FOR SYSMOD PBSnnnn. HOLD REASON IDS WERE NOT RESOLVED.
GIM35965I    SYSTEM HOLD reason ORIGINATED BY SYSMOD PBSnnnn WAS NOT RESOLVED.
```

Affected PTFs are listed in the SMPRPT log, for example:

```
CAUSER SYSMOD SUMMARY REPORT FOR APPLY PROCESSING

CAUSER   FMID     MESSAGE ID  PAGE   ERROR DESCRIPTION AND POSSIBLE CAUSES
PBSnnnn  RBS7100  GIM35965I      1   SYSTEM HOLD reason ORIGINATED BY SYSMOD PBSnnnn WAS NOT RESOLVED.
...
UNRESOLVED HOLD REASON REPORT FOR APPLY PROCESSING

NOTE: THE SYSMODS LISTED IN THIS REPORT ALSO APPEAR IN THE CAUSER SYSMOD SUMMARY REPORT.

TYPE    REASON ID  FMID     SYSMOD   ++HOLD DATA
------  ---------  -------  -------  ------------------------------------------------------------
SYSTEM  reason     RBS7100  PBSnnnn  ++HOLD(PBSnnnn) FMID(RBS7100) SYSTEM REASON(reason)
                                      COMMENT(req_activity_info)
...
```

For the apply to be successful, rerun I#BSAJ10 with BYPASS, where you confirm the HOLDSYS reason of the PTF:

```
//SMPCNTL  DD  *
 SET BDY(BETATGT) .
     APPLY  PTFS FORFMID(RBS7100) RETRY(YES)
            BYPASS(HOLDSYS(reason)) .
```

Note 3:
I#BSAJ10

RC=4 is okay if caused by the following messages from the LKED steps for the modules listed below:

```
IEW2480W A711 EXTERNAL SYMBOL MAIN OF TYPE LD WAS ALREADY ...
IEW2482W A712 THE ORIGINAL DEFINITION WAS IN A MODULE ...
```

These warning messages are okay if they occur for the following modules:

BST00CRT, BST00TZG, BST02TCJ, BST04PKS, BST04STA, and BST04STG

Subsequent GIM23903W and GIM23904W messages are likely to occur for these and other modules as a result of this.

RC=12 is okay if it is caused by the following error (no PTFs available):

```
GIM24801S ** NO SYSMODS SATISFIED THE OPERANDS SPECIFIED ON THE APPLY COMMAND.
```

Always check the log to make sure that no other errors have occurred.

We recommend that you contact support to find out whether there are any newer PTFs that should be installed.

Note 4:
I#BSAJ11

This job (re)links the SVC. The **SVC level** is **PBS4215**. You can skip this job if your SVC is already up-to-date. The active SVC level is displayed in startup message IRM9151I.

A new SVC must be activated after relinking (see SVCUPDTE on page 63).

Beta 23 installation and maintenance jobs

Which B23 jobs need to run?

The job table in the current section (see page 59) shows which B23 jobs have to be run by new and existing users of Adabas Audit Data Retrieval.

Beta 23 is installed into the BSA libraries. An existing BSA V7 environment is therefore required.

Before submitting Beta 23 install jobs ...

Before submitting Beta 23 install jobs, stop all Beta product started tasks that are using the BSA Version 7 target libraries referenced in the DDDEFs in your SMP/E environment.

Job table

The following table shows the Beta 23 jobs that have to run in sequence (top-down) when installing or applying maintenance. For more information on each job, see *Adabas Audit Data Retrieval Installation and System Guide*.

Run the jobs that are marked with an **X** in the column of your currently installed level. **(X)** indicates that a job has to run under certain conditions only. A superscripted number indicates the presence of a note with additional information. Read this note first before submitting the job.

		New installation			
			Max. RC (*stepname if rc<>0*)		
				Your RC	
					Your notes
I#B23J01: add B23 DDDEFS		X	0		
I#B23J02: receive functions/PTFs		(X) [1]	0		
I#B23J03: apply/accept functions		X	0		
I#B23J04: apply PTFs		X	0 or 12 [2] (BFSPTFS)		

Note 1: I#B23J02

I#B23J02 and I#B97J03 each receive all Beta 23 and all Adabas Audit Data Retrieval functions and PTFs from the installation dataset. I#B23J02 will not find anything to receive if I#B97J03 has already run in the same environment. (BSA functions and BSA PTFs are received by I#BSAJ08.)

Note 2:
I#B23J04

RC=12 is okay if it is caused by the following error (no PTFs available):

```
GIM24801S ** NO SYSMODS SATISFIED THE OPERANDS SPECIFIED ON THE APPLY COMMAND.
```

Always check the log to make sure that no other errors have occurred.

We recommend that you contact support to find out whether there are any newer PTFs that should be installed.

Product installation and maintenance jobs

Which B97 jobs need to run?

The job table in the current section shows which product installation jobs have to be run by new and existing users of Adabas Audit Data Retrieval.

Before submitting product installation jobs...

Before submitting any product installation jobs, stop all Adabas Audit Data Retrieval V7 started tasks using target libraries referenced in the DDDEFs in your SMP/E environment.

Job table

The following table shows the jobs that have to run in sequence (top-down) when installing or applying maintenance to Adabas Audit Data Retrieval. For more information on each job, see *Adabas Audit Data Retrieval Installation and System Guide*.

Run the jobs that are marked with an **X** in the column of your currently installed level. **(X)** indicates that a job has to run under certain conditions only. A superscripted number indicates the presence of a note with additional information. Read this note first before submitting the job.

		New installation	Max. RC (*stepname if rc<>0*)	Your RC	Your notes
I#B97J01: allocate libraries		X	0		
I#B97J02: add product DDDEFs		X	0		
I#B97J03: receive functions/PTFs		(X) [1]	0		
I#B97J04: apply/accept functions		X	0		
I#B97J05: apply PTFs		X	0 or 12 [2] (IRMPTFS)		
I#B97J06: copy B97LST*xx*/B97SSI*xx*		X	0		
I#B97J07: copy STC procedures and reload procedure B97RLDA		X	0		
B97UMPRE: usermod PE97STRT		X [3]	0		
Copy **B97CLIST** to DD SYSPROC		X [4]	n/a		
B97LGFJ1: allocate LGFSLIB		X	0		
B16LGFJ2 (BSA job): copy BSA members		X	0		

Note 1: I#B97J03

I#B23J02 and I#B97J03 each receive all Beta 23 and all Adabas Audit Data Retrieval functions and PTFs from the installation dataset. If I#B23J02 has already run in the same environment, I#B97J03 will not find anything to receive and will end with RC=4. (BSA functions and BSA PTFs are received by I#BSAJ08.)

Note 2: I#B97J05

RC=12 is okay if it is caused by the following error (no PTFs available):

```
GIM24801S ** NO SYSMODS SATISFIED THE OPERANDS SPECIFIED ON THE APPLY COMMAND.
```

Always check the log to make sure that no other errors have occurred.

We recommend that you contact support to find out whether there are any newer PTFs that should be installed.

Note 3: B97UMPRE

B97UMPRE receives and applies the non-displayable start panel PE97STRT as a usermod. This panel is called for first-time users of Adabas Audit Data Retrieval to set appropriate defaults for subsystem ID, system name, location etc. in the user's variable pool.

B97UMPRE ends with RC=12 if the corresponding usermod is already present. If you want to replace it, reject this usermod and then rerun B97UMPRE.

Note 4: Copy B97CLIST to DD SYSPROC

Copy the CLIST to one of the procedure libraries defined under DD SYSPROC in your TSO logon procedures.

Note: When calling the CLIST via a panel, do **not** use the parameter NEWAPPL(BSS) or NEWAPPL(BST). Calling the CLIST with these parameters will lead to unpredictable results.

BSA and product customization and activation

Overview

The table in this section shows which additional jobs must run to customize and activate BSA and Adabas Audit Data Retrieval after installing or applying maintenance.

Current Adabas Audit Data Retrieval level

If you want to find out which product level is currently installed in an environment, use online option **P.2** or check the startup messages in the JESMSGLG.

Before submitting database update jobs ...

The Adabas Audit Data Retrieval started task(s) that are using this database must be down when running database update jobs. If you have more than one Adabas Audit Data Retrieval subsystem and if these subsystems do **not** share the same database, you must run the database update jobs for each Adabas Audit Data Retrieval subsystem that has a database of its own.

Customization and activation

		New installation	Max. RC (*stepname if rc<>0*)	Your RC	Your notes
Define subsystem to z/OS (`SETSSI ADD,SUBNAME=`*`ssid`*`)`		(X) [1]	n/a		
Authorize load libraries		(X) [2]	n/a		
Update SVC (**SVCUPDTE**)		(X) [3]	0		
Assemble and link **B02UXSIN**		X [4]	0		
Assemble and link **B04UXSEC**		X [5]	0		
Assemble and link **B97UXSEC**		X [6]	0		
`F LLA,REFRESH`		X [7]	n/a		
B97INIT		X	4 [8]		
B97DBDEF Define/initialize B97 VSAM clusters		X	0		
B97DBFOR Allocate/initialize B97 VSAM database		X	0		
B97DBLOD (table data load**)**		X [9]	0		

Note 1:
Define *ssid* to z/OS

Skip this step if the subsystem ID has already been defined.

For detailed information on subsystem initialization and required security definitions, see *BSA Installation and System Guide*.

Note 2:
Authorize load libraries

Check whether your Adabas Audit Data Retrieval and BSA load libraries need to be authorized (if BETA.APFLOAD concatenated in steplib).

Note 3:
SVCUPDTE

SVCUPDTE dynamically updates the SVC that you have (re)linked with BSA installation job I#BSAJ11.

The most recent **SVC level** is **PBS4215**. You can skip this job if your SVC is already up-to-date. The number and level of the active SVC is displayed in startup message IRM9151I.

During the SVC update, **all BSA and Beta product subsystems** that are working with this SVC must be stopped.

For detailed information on activating the SVC (IPL or dynamic method), see "Step 4: Specifying authorized functions to z/OS" and "Activating authorized functions (Beta SVC) in z/OS" in *BSA Installation and System Guide*.

Note 4:
B02UXSIN

Run G#02XSIN from the BSA.CNTL to assemble and link B02UXSIN (logon security exit) into the BETA.APFLOAD.

Note 5:
B04UXSEC

Run G#04XSEC from the BSA.CNTL to assemble and link B04UXSEC (BSA Service Manager security exit) into the BETA.APFLOAD.

Use appropriate RACF definitions and B04UXSEC to protect access to the options and functions of the BSA Service Manager. For detailed information, see "RACF security" in *BSA Service Manager Manual*.

Note 6:
B97UXSEC

The B97UXSEC that is active after installation does not check any security.

The source code of a functional security exit is provided in member B97UXSEC in the BETA97.SAMPLIB. Run G#97XSEC from the BETA97.CNTL to assemble and link B97UXSEC into the BETA.APFLOAD.

Note 7:
F LLA,REFRESH

Refresh LLA with the following console command if modified libraries are concatenated in the linklist:

```
F LLA,REFRESH
```

Note 8:
B97INIT

RC=4 can be ignored if it is caused by the following warning:

```
SFF9119W PROFILE NOT DEFINED FOR (BETA.INIT.ssid)
```

Note 9:
B97DBLOD

This job replaces the LGF*xxx* tables in the database. The data in the LGFxxx tables is used by _beta smf.

RC=16 for step LGFDELE is okay if LGF*xxx* tables don't exist (new installation).

Verification

Instructions

To verify installation/maintenance:

1. Start the Adabas Audit Data Retrieval started task and check the JESMSGLG (displayed levels, database status, TCP/IP status) in SDSF.

```
IRM9151I B97LSTxx LOADED, SVC(svcnum/PBS4215/epaddr) SSID(ssid)
                  SYSNAME(sysname) SYSPLEX(sysplex) SYSTEM(z/OSn.nn) ASIDX(asidx)
IRM9151I BSA INITIALIZATION 177100 LEVEL: 02 / PBS4297 / PBS4244
IRM9151I CPU INFORMATION - TYPE: tttt ID: nnnn LPAR: l TLCPU: tccc CLCPU: cccc SLCPU: sccc
IRM9005I LICENSE FILE filename WILL BE USED
IRM9004I product HAS BEEN LICENSED FOR CUSTOMER: customername
IRM9006I LICENSED CPU-TYPES: cputype
IRM9557I DATABASE INITIALIZATION WITH VERSION: PBS4398 / PBS4397
...
IRM9154I BSA HAS STARTED BETA97 G7 SYSTEM LEVEL V7R2-00 PIR0436
```

where:

xx	Identifier of the LST member
svcnum	Your SVC number
epaddr	Entry point address of the SVC
ssid	Your subsystem ID
sysname	Name of your z/OS system
sysplex	Name of your sysplex
asidx	Address space ID assigned to STC/JOB
tttt	Machine type
nnnn	Machine ID
l	LPAR number
tccc	Total LCPU count
cccc	Configured LCPU count
sccc	Standby LCPU count
filename	Name of the license file to be used
customername	Name of customer to whom this license was issued (as specified in the license file)
cputype	List of the CPU types for which the license is valid

2. Call the Adabas Audit Data Retrieval ISPF application and verify the upgrade status of the database (option **S.2**, line command **V**).

   The message **Verification successful** indicates that all required database updates have been successfully installed.

   If one of the table entries displays **NO** in the column **INSTALLED**, check the step on database update, and verify the return codes of the insert statements.

   You can also run the database verification job B97DBVER (for more information on verification, refer to the corresponding section in the *Adabas Audit Data Retrieval Installation and System Guide*).

   Do NOT use the database if the INSTALLED column shows a NO.

If STC start leads to IRM9169E or IRM9197E

A level check is carried out when a Beta product is started. If the Beta SVC level does not correspond to the Beta control program, the Beta product will not be started and the message IRM9169E or IRM9197E is issued.

The most likely cause is one or both of the following:

- The SVC has not been updated.
- BST01ARI (B97INIT) has not run to initialize the subsystem.