VisualAge Pacbase 2.5

VA PAC 2.0/2.5 – UNIX
OPERATIONS MANUAL VOLUME IV : NON STANDARD RETRIEVALS

DEZIX000201A

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1. FOREWORD

FOREWORD

PURPOSE OF THIS MANUAL

This manual is intended for the VisualAge Pacbase Administrator. It describes the steps and instructions for retrieving databases created in Pacbase releases older than Release 160.

As a general rule, it is advised to install the new release/version in an environment quite separate from the older release environment, i.e, with different installation parameters.

2. COMPONENTS OF THE RETRIEVAL PACKAGE

2.1. THE BATCH PROGRAM LIBRARY

THE BATCH-PROGRAM LIBRARY

PROGR. CODE	PROCEDURES	MODULE OPTION	COMMENTS
PACR02	PP73	PEI	PEI 7.3 retrieval
PTURPC	PC73	DIC	7.3 database retrieval
PTU890	TRUV	PDM	Retrieval of manuals (U) as volumes (V)
PTU902	PE73 PE80	DIC	7.3, 8.0 utility retrieval
PTU916	PJ73	DIC	7.3 Journal retrieval
PTU917	PJ73 PJ80	DIC	7.3, 8.0 Journal retrieval
REJYSM	PJYS	YSM	Journal retrieval for YSM
REPAFL	RTYS	YSM	YSM retrieval for AFL
REPGDP	PC80	DIC	8.0 Database retrieval
REPYSM	PCYS	YSM	Database retrieval for YSM

All the programs used in the procedures and not shipped in this package are included in the VisualAge Pacbase installation package.

2.2. THE BATCH PROCEDURES

THE BATCH PROCEDURES

Procedures associated with batch processing are described in Parts II and III of the Operations Manual (Batch Procedures: Administrator's Guide --for those procedures involving only the Database Administrator-- and User's Guide --for those available to the user). Administrator's Guide - for those procedures involving only the Database Administrator - and User's Guide - for those

The documentation of each procedure includes the following:

. General presentation

- Introduction
- Execution conditions
- Corrections in case of an ABEND.

. Description of user input, processing and results, as well as recommendations for use.

. Description of steps
- List of permanent and temporary files in use,
- Return codes (if any) produced by each step.

. Command file (JCL lines).

PROCEDURE CLASSIFICATION

Batch procedures are documented in the following manuals:

Batch procedures : Administrator's Guide:

1) Database management utilities.

2) Versions administration (PEI and Pac/transfer).

3) Manager's utilities.

4) Migrations.

Batch procedures : User's Guide:

1) Standard procedures.

2) Personalized extraction and automated documentation.

3) Quality analysis and control.

4) Methodology integrity check.

5) Pactables.

6) Impact Analysis.

7) VisualAge Smalltalk / VisualAge Pacbase Bridge.

3. INSTALLATION

3.1. PRESENTATION OF THE INSTALLATION

GENERAL PRESENTATION

This version is delivered on a magnetic medium (tape, DAT, VDAT) or on CD ROM.

CONSTITUTION OF THE MEDIUM

The medium contains the following files:

- UPINST.Vnn,

- UPBASE.3IS, UPBASE.3PC, UPBASE.4IS and UPBASE.4PC, for BULL or IBM,
  UPBASE.750, UPBASE.815 and UPBASE.875 for HP,
  UPBASE.ISO for the other equipments,

- README_E.Vnn and README_F.Vnn,

("Vnn" represents the number of the installed version)

WARNING: Depending on the type of format and the UNIX system,the name of the installation files can be in upper or lower case letters.

Description of UPINST.Vnn:

The UPINST.Vnn file contains the installation or reinstallation commands.

These commands are written in shell language.

Description of UPBASE.xxx :

The UPBASE.xxx files are compressed in the tar format. They contain the UPBASE execution and operation files in both English and French.

On RS6000 or DPX20, the operating system allows you to choose between character sequences "pc850" (character set used on OS/2) and"iso8859" (character set used on WINDOWS).
That is why this possible compatibility is offered at installation or at reinstallation.

On HP9000, The program can work with the Run-Time COBOL Micro Focus 3.0 (HP 7.50), 3.1 (HP 8.15) or 3.2 (HP 8.75 ou HP 9.xx).
On RS6000 or DPX/20, the program can work with the Run-Time COBOL Micro Focus 3.2 or 4.0.
At installation or at reinstallation, the choice of Run-Time allows you to install files which are compatible with the Run-Time in use.
That is why this possible compatibility is offred at the installation or at the reinstallation.

Description of README_F.Vnn and README_E.Vnn:

Generally speaking, the README file contains information about the evolution of the program.

This file should be consulted before any installation or reinstallation operation.

The README_F.Vnn file is intended to French-speaking users whereas the README_E.Vnn file is intended to English-speaking users.

INSTALLATION PROCESS

It is recommended to backup the system before starting the installation and to strictly follow the different phases of the installation:

- connecting with VisualAge Pacbase administrator login,

- downloading the medium in the '$HOME' connection directory, if the package is delivered on a magnetic medium.

-
```
starting of the CDROM and positioning in the

     "version_code"."equipment_code" subdirectory from the
     installation directory if it is delivered on a CDROM.
```

- executing the UPINST.Vnn procedure.

3.2. INSTALLATION ON A VA Pac SERVER

INSTALLATION

CONNECTING WITH THE VA Pac ADMINISTRATOR LOGIN:

All installation operations must be executed with the VisualAge Pacbase administrator login.

DOWNLOADING THE MAGNETIC MEDIUM:

When the package is delivered on a magnetic medium, you must download the content of this medium on the UNIX machine in the $HOME directory of the VisualAge Pacbase administrator.

It can be executed with the following commands:

```
cd $HOME
tar xvf /dev/...
```

INSTALATION OF THE CDROM:

If needed, install the CDROM driver on the system directory (it must be executed with the ROOT login). Get connected in the CDROM installation directory, in the following sub-directory:

```
"code_version"."equipment_code"
```

Example on RS6000:

```
cd /cdrom/UP200V00.RS6
```

EXECUTION OF THE INSTALLATION PROCEDURE

After downloading the magnetic medium in the connection directory of the VisualAge Pacbase administrator or in the installation directory of the CDROM, type the following command:

"sh UPINST* -f" for an installation and a processing in French,

"sh UPINST* -e" for an installation and a processing in English,

The steps of the installtion procedure are the following ones:

- consistency check on the environment variables (.profile .kshrc .login file),
- display of the readme file contents,

- display of the installation menu,

- selection of the character sequence (on RS6000 or DPX20)in use,

- selection of the COBOL runtime used (on HP9000, RS6000 or DPX/20),

- distribution of the files issued from UPBASE.Vnn

- creation of the journal_upinstall file.

Consistency check of the environment variables:

Before running the UPINST.Vnn procedure, the VisualAge Pacbase administrator must check the modifications done in the configuration file(s), even if the UPINST.Vnn installation process performs some consistency checks.

Display of readme contents:

To scroll through the readme file, use the space bar.

At the end of the display, you can:

- either re-run this step,

- either quit the UPINST.Vnn procedure,
- either go to the next step.

Display of the installation menu

The installation menu looks like this:

```
**********************************************************

            VA Pac-NON STANDARD RETRIEVAL PROCEDURES

**********************************************************

 readme      :  display of the readme file
  inst       :  installation of this version

**********************************************************
```

Type the command name or 'x' to quit UPINST.Vnn :

description of commands:

- the 'readme' command edits the readme file for reading.

- The 'inst' command starts the installation process.

Type the command and follow the instructions provided by UPINST.Vnn.

Choice of the character sequence (on RS6000 - DPX20):

The run-time is "pc850" or "iso8859", depending on the configuration of the machine. (Ask your UNIX administrator for more information on the configuration).

Choice of the COBOL run-time used (HP9000, RS6000 or DPX/20)

On HP9000, the COBOL run-time is "750" if you use a Micro Focus 3.0 run-time (version HP 7.50), "815" if you use a Micro Focus 3.1 run-time (version HP 8.15) or "8.75" if you use a Micro Focus run-time 3.2 (version HP 8.75 or 9.xx).
On RS6000 or DPX20, the COBOL run-time is "3.2" if you use a Micro Focus 3.2 run-time or "4.0" if you use a Micro Focus 4.0 run-time.
Ask your UNIX adminisrator to know the run-time in use.

Distribution of files:

During this step, UPINST.Vnn does not create directories. It uses VisualAge Pacbase indtallation directories to install BATCH programs and procedures ($PACDIR/batch/gnt,$PACDIR/batch/int and $PACDIR/batch/proc directories).

The -e (English) or -f (French) installation option allows you to have the BATCH procedures in the selected language.

Updating the journal_upinstall file:

The journal_upinstall file contains some information resulting from the use of UPINST.Vnn. After the installation,it reads the following information:

- the installation date,
- the release number
- the version number
- the name of the character set used.

3.3. STANDARD RE-INSTALLATION

STANDARD RE-INSTALLATION

This package must be re-installed when a version is available with corrections or new developments to the current version.

The new version is identified by a number, and consists of:

. a magnetic medium with the software,

. a list of corrected bugs,

. an Operation manual.

In general, only the BATCH programs are affected by the new version.

GENERAL NOTES:

. The re-installation procedure does not copy the BATCH procedures ($PACDIR/batch/proc directory) to avoid losing any possible adaptations to the site, except if the new version cannot operate with the former files.

. It does not copy the Database allocation files ($PACDIR/assign/"db_name "directory) to avoid losing any possible adaptations to the site, except if the new version cannot operate with the former files.

SUBMISSION OF THE RE-INSTALLATION PROCEDURE:

Once the files have been downloaded, in the administrator's connection directory, or once the CDROM has been started (refer to Subchapter INSTALLATION), type the following command:

"sh UPINST* -f" for a re-installation in French,

"sh UPINST* -e" for a re-installation in Enghish,

followed by Enter (Enter key or Return key).

Description of steps:

The steps of the re-installation procedure are:

- Consistency check on the environment variables (.profile, .kshrc or.login file),
- display of the readme files'data,
- display of the re-installation menu,
- choice of a character set (on RS6000 or DPX/20),
- choice of the COBOL run-time in use (on HP9000, RS6000 or DPX/20),
- distribution of the files issued from UPBASE.xxx,
- updating the journal_upinstall file.

Consistency check on the environment variables:

Refer to Subchapter "INSTALLATION ON A VISUALAGE PACBASE SERVER"

Display of the readme file's data:

Refer to Subchapter "INSTALLATION ON A VISUALAGE PACBASE SERVER".

Display of the re-installation menu:

The re-installation menu looks like this:

```
*********************************************************
            VA Pac - Non Standard Retrieval Procedure
*********************************************************
 readme       :  display of the readme file
 reinst       :  re-installation of the release
*********************************************************
```

Type the name of the command or 'x' to exit UPINST.Vnn.

Description of commands:

- The 'readme'command is used to read the readme file.
- The 'reinst' command is used to carry out a complete re-installation of the new version. $1 Type the command and follow the instructions provided by UPINST.Vnn.

Choice of a character set (RS6000 - DPX/20):

Refer to Subchapter "INSTALLATION".

Choice of the COBOL run-time used (HP9000 - RS6000 - DPX/20:

Refer to Subchapter "INSTALLATION".

Updating the journal_upinstall file:

The following information, related to the re-installation is added to the journal_upinstall file:

- re-installation date,
- release number,
- version number,
- name of the character set used.

RETRIEVAL OF BATCH PROCEDURES:

Generally speaking, in order to avoid losing possible adaptations carried out by the Database administrator, the re-installation procedure does not automatically re-install BATCH procedures.

The BATCH procedures affected by the new version must be updated by the administrator, either by editing them with an editor,or by copying them.

All the new version's procedures are unloaded in the following directory:

```
$PACDIR/batch/proc.'version_nu'
```

In case the new version cannot operate with the old procedures, these are backed in the PACDIR/batch/proc.old directory, and the new procedures are unloaded in following directory:

```
$PACDIR/batch/proc
```

The administrator must modify the new batch procedures in the $PACDIR/batch/proc directory to adapt them to the site's requirements.

4. RETRIEVAL OF PACBASE 8.0.2

4.1. 8.0.2 RETRIEVALS - OPERATIONS TO BE PERFORMED

8.0.2 RETRIEVALS: OPERATIONS TO BE PERFORMED

The retrieval of existing applications allowing for the transformation of a PACBASE 8.0.2 database into a database compatible with the new release is broken down into the following phases:

. Retrieval of user parameters

. Retrieval of generation-print requests

. Retrieval of the archived journal

For users of the PEI function:

. Retrieval of Production Environment Interface (PEI)

For users of the WorkStation:

. Retrieval of YSM methodology

. The WorkStation's dedicated User Entities must be uploaded into the Database via the UPDT procedure, after the Database has been retrieved and restored in the new release.

1-Retrieval of User parameters

. Retrieval of the 8.0.2 user parameters backup (PE82 procedure).

. Re-initialization of the AE file from the AE0 file supplied for installation.

. Execution of the PARM procedure of the new release using as input the PE backup file produced by the parameter retrieval, the '********' user code and NRREST as input parameter.

. Use of the WorkStation: new execution of the PARM procedure of the new release. The input should include the transactions associated to the parameters settings for the methodology used (NRCHAR command).

> Refer to the paragraph describing the installation of the methodology choices, in Chapter 'INSTALLATION' of the Environment & Installation manual for this VisualAge Pacbase release. Refer in particular to the loading of error messages - on-line help and to the user parameters.

RESULT: The AE and AP files, containing the 8.0.2 user parameters, are retrieved in the format of the new release.

2-Retrieval of 8.0.2 generation-print requests

. Backup in 8.0.2 release format of the 8.0.2 AG file (8.0.2 SVAG procedure).

. Retrieval of the resulting 8.0.2 PG file (PG82 procedure). The output is a PG backup in the format of the new release.

. Reorganization-restoration of the generation-print requests (REAG of the new release) using as input the 8.0.2 PG backup obtained in the previous step.

RESULT: The AG file is operational under the new VisualAge Pacbase release.

3-Retrieval of the 8.0.2 Archived Journal

. Archiving in 8.0.2 release format of the 8.0.2 journal (8.0.2 ARCH procedure).

. Retrieval of the resulting 8.0.2 PJ archived journal in the new format (PJ82 procedure). The output is a PJ archived journal in the format of the new release.

RESULT: The PJ file is operational under the new VisualAge Pacbase release.

4-Retrieval of the 8.0.2 Production Environment

. Backup in 8.0.2 release format of the production environment (8.0.2 SVPE procedure). The output is an 8.0.2 PP file.

. Retrieval of the resulting 8.0.2 PP file in the new format (PP82 procedure). The output is a PP backup in the format of the new VisualAge Pacbase release.

. Restoration of the production environment (RSPE procedure of the new release) using as input the backup produced by the previous step.

RESULT: The AB and AC files are operational under the new VisualAge Pacbase release.

5-Retrieval of the YSM Methodology

Refer to Chapter 'RETRIEVAL OF THE YSM METHODOLOGY' for complete information about this procedure.

4.2. PE82 - RETRIEVAL OF USER PARAMETERS

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) PE82 BATCH Procedure
#@(#)
clear
echo ""
echo "------------------------------------------------------------"
echo "                         PE82 PROCEDURE"
echo "                         =============="
echo " Please note the specific parameters:"
echo ""
echo " PE input : complete directory and filename of PE file"
echo "          : $1"
echo " PE output: complete directory and filename of PE file"
echo "          : $2"
echo ""
echo " Example"
echo " PROCPE82 $PACDIR/save/PE82 $PACDIR/save/PE"
echo "------------------------------------------------------------"
echo ""
if [ "$#" != 2 ]
then
   echo "Incorrect number of parameters"
   exit 20
fi
sh $PACDIR/batch/proc/PAUSE.ini
echo ""
# ************************************************************
# * VA Pac : RETRIEVAL OF USER PARAMETER BACKUP 8.0.2
# ************************************************************
PAC7IN=$1
export PAC7IN
PAC7OU=$2
export PAC7OU
echo "Execution : PTU903"
cobrun PTU903
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing PTU903"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
echo "End of procedure"
exit $RETURN
```

4.3. PG82 - RETRIEVAL OF GENERATION AND PRINT COMMAND

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) PG82 BATCH Procedure
#@(#)
clear
echo ""
echo "------------------------------------------------------------"
echo "                         PG82 PROCEDURE"
echo "                         =============="
echo " Please note the specific parameters:"
echo ""
echo " PG input  : complete directory and filename of PG file"
echo "           : to be retrieval (8.0.2)"
echo "           : $1"
echo " PG output : complete directory and filename of PG file"
echo "           : $2"
echo ""
echo " Example"
echo " PROCPG82 $PACDIR/save/B0/PG82 $PACDIR/save/B0/PG"
echo "------------------------------------------------------------"
echo ""
if [ "$#" != 2 ]
then
   echo "Incorrect number of parameters"
   exit 20
fi
sh $PACDIR/batch/proc/PAUSE.ini
echo ""
# ************************************************************
# * VA Pac : RETRIEVAL OF A GENERATION AND PRINT COMMAND
# *          BACKUP 8.0.2
# ************************************************************
PAC7IN=$1
export PAC7IN
PAC7OU=$2
export PAC7OU
echo "Execution : PTU906"
cobrun PTU906
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing PTU906"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
echo "End of procedure"
exit $RETURN
```

4.4. PJ82 - RETRIEVAL OF ARCHIVE JOURNAL

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) PJ82 BATCH Procedure
#@(#)
clear
echo ""
echo "-----------------------------------------------------------"
echo "                         PJ82 PROCEDURE"
echo "                         =============="
echo " Please note the specific parameters:"
echo ""
echo " PJ input  : complete directory and filename of PJ file"
echo "           : $1"
echo " PJ output : complete directory and filename of PJ file"
echo "           : $2"
echo ""
echo " Example"
echo " PROCPJ82 $PACDIR/save/B0/PJ82 $PACDIR/save/B0/PJ"
echo "-----------------------------------------------------------"
echo ""
if [ "$#" != 3 ]
then
   echo "Incorrect number of parameters"
   exit 20
fi
sh $PACDIR/batch/proc/PAUSE.ini
echo ""
# ************************************************************
# * VA Pac : RETRIEVAL OF THE 8.0.2 ARCHIVED JOURNAL
# ************************************************************
PAC7PJ=$1
export PAC7PJ
PAC7JP=$2
export PAC7JP
echo "Execution : REP2PJ"
cobrun REP2PJ
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing REP2PJ"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
echo "End of procedure"
exit $RETURN
```

4.5. PP82 - RETRIEVAL OF PRODUCTION ENVIRONMENT

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) PP82 BATCH Procedure
#@(#)
clear
echo ""
echo "------------------------------------------------------------"
echo "                          PP82 PROCEDURE"
echo "                          =============="
echo " Please note the specific parameters:"
echo ""
echo " PP input  : complete directory and filename of PP file"
echo "            : $1"
echo " PP output : complete directory and filename of PP file"
echo "            : $2"
echo " tmp       : temporary file directory"
echo "            : $3"
echo ""
echo " Example"
echo " PROCPP82 $PACDIR/save/B0/PP82 $PACDIR/save/B0/PP"
echo "          $PACDIR/tmp/base_name"
echo "------------------------------------------------------------"
echo ""
if [ "$#" != 2 ]
then
   echo "Incorrect number of parameters"
   exit 20
fi
sh $PACDIR/batch/proc/PAUSE.ini
echo ""
# ************************************************************
# * VA Pac : RETRIEVAL OF PEI 8.0.2 BACKUP
# ************************************************************
PAC7IN=$1
export PAC7IN
PAC7OU=$3/PP16
export PAC7OU
echo "Execution : PTU907"
cobrun PTU907
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing PTU907"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
PAC7PE=$3/PP16
export PAC7PE
PAC7PS=$2
export PAC7PS
echo "Execution : PACR90"
cobrun PACR90
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing PACR90"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
```

```
 exit $RETURN
 ;;
esac
# ************************************************************
echo "End of procedure"
echo ""
echo "Deletion of the temporary file $3/PP16"
rm -f $3/PP16
exit $RETURN
```

5. RETRIEVAL OF PACBASE 8.0 OR 8.0.1

5.1. 8.0, 8.0.1 RETRIEVALS - OPERATIONS TO BE PERFORMED

8.0, 8.01 RETRIEVALS: OPERATIONS TO BE PERFORMED

The retrieval of existing applications allowing for the transformation of a PACBASE 8.0 or 8.0.1 database into a database compatible with the new release is broken down into the following phases:

. Retrieval of 8.0 user parameters

. Retrieval of 8.0 database(s)

. Retrieval of generation-print requests

. Retrieval of the archived journal

For users of the PEI function:

. Retrieval of Production Environment Interface (PEI)

For users of the WorkStation:

. Retrieval of YSM methodology

. The WorkStation's dedicated User Entities must be uploaded into the Database via the UPDT procedure, after the Database has been retrieved and restored in the new release.

1-Retrieval of User parameters

. Retrieval of the 8.0 or 8.0.1 user parameters backup (PE80 procedure).

> CAUTION: The SYSTEM ACCESS KEY must be entered on the NK input line of the retrieval procedure.

. Re-initialization of the AE file from the AE0 file supplied for installation.

. Execution of the PARM procedure of the new release using as input the PE backup file produced by the parameter retrieval, the '*********' user code, and NRREST as input parameter.

. Use of the WorkStation: new execution of the new PARM procedure. The input should include the transactions associated to the parameters settings for the methodology used (NRCHAR command).

> Refer to the paragraph describing the installation of the methodology choices, in Chapter 'INSTALLATION' of the Environment & Installation manual for this VisualAge Pacbase release. Refer in particular to the loading of error messages - on-line help and to the user parameters.

RESULT: The AE and AP files, containing the 8.0 user parameters, are retrieved in the format of the new release.

2-Retrieval of an 8.0 Database

. 8.0 backup of the database whose output is an 8.0 PC file (8.0 SAVE procedure).

. Retrieval of the resulting 8.0 PC file in the new format (PC80 procedure), producing a new-format PC backup.

. If you are using the YSM methodogy with the new release of the WorkStation, retrieval of YSM methodology (PCYS procedure) from the new-format PC backup.

. Reorganization (REOR of new release) of the new-format backup obtained from the previous step.

. Initialization of journal file (ARCH of new release).

. Database restoration (REST of new release) using as input the PC backup obtained from REOR.

If libraries, sessions, and/or user codes have been deleted via the database reorganization, the corresponding transactions must be entered for the reorganization of the AG file. Obsolete generation-print requests related to deleted sessions or libraries will be purged. Requests entered by users in 8.0 and cancelled in the new release will also be purged from the AG file.

RESULT: The AJ, AN, AR, and AG files are operational under the new VisualAge Pacbase Release.

3-Retrieval of 8.0 generation-print requests

. 8.0 backup of the 8.0 AG file (8.0 SVAG procedure).

. Retrieval of the resulting 8.0 PG file (PG80 procedure). The output is a PG backup in the format of the new release.

. Reorganization-restoration of the generation-print requests (REAG of the new release) using as input the 8.0 PG backup obtained in the previous step.

RESULT: The AG file is operational under the new VisualAge Pacbase release.

4-Retrieval of the 8.0 Archived Journal

. Archiving in 8.0 release format of the 8.0 journal (8.0 ARCH procedure).

. Retrieval of the resulting 8.0 PJ archived journal in the new format (PJ80 procedure). The output is a PJ archived journal in the format of the new release.

RESULT: The PJ file is operational under the new VisualAge Pacbase release.

This enables you to use the new releases of the procedures to analyze (ACTI procedure), extract (EXPJ procedure), restore-retrieve (REST/RESY procedures with the REC parameter) the transactions archived in the 8.0 release.

DSMS users who have modified their product code(s) in DSMS can perform this code change in the PACBASE journal, via a user input in the PJ80 procedure.

With release 8.0.2 or later of the DSMS Function, the user can modify the Product code when retrieving the previous DSMS release. The code format changes from 1 to 3 characters.

This possibility is also offered when retrieving the PACBASE archived journal from a previous release.

USER INPUT (optional)

Pos.	Len.	Value	Meaning
1	4	'onnn'	Modification of DSMS Product Code
			o = former Product Code
			nnn = new Product Code
			(1, 2 or 3 characters)

On a line, the 'onnn' character string may be repeated as many times as there are Product Codes to be modified, withing the limit of 20.

NOTE: The validity of this input is not checked for proper syntax. The procedure's syntax should be carefully checked before execution, since no output report is produced.

5-Retrieval of the 8.0 Production Environment

. 8.0 backup of the production environment (8.0 SVPE procedure). The output is a 8.0 PP file.

. Retrieval of the resulting 8.0 PP backup in the new format.

. Retrieval of the resulting 8.0 PP in the new format (PP80 procedure). The output is a PP backup in the new release's format.

. Restoration of the production environment (new RSPE procedure) using as input the backup produced by the previous step.

RESULT: The AB and AC files are operational under the new VisualAge Pacbase release.

6-Retrieval of the YSM Methodology

Perform the retrieval of PACBASE 8.0/8.0.1 as described in step 2 by executing the PCYS procedure after retrieving the PC file (PC80 procedure), and before reorganizing the database (REOR procedure).

Retrieval of the Archived Journal is also available (PJYS).

Refer to Chapter 'RETRIEVAL OF THE YSM METHODOLOGY' for complete information about these procedures.

5.2. PE80 - RETRIEVAL OF USER PARAMETERS

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) PE80 BATCH Procedure
#@(#)
clear
echo ""
echo "------------------------------------------------------------"
echo "                         PE80 PROCEDURE"
echo "                         =============="
echo " Please note the specific parameters:"
echo ""
echo " PE input  : complete directory and filename of PE file"
echo "           : to be retrieved (8.0 or 8.0.1)"
echo "           : $1"
echo " PE output : complete directory and filename of PE file"
echo "           : (user parameters in the new format)"
echo "           : $2"
echo " INPUT     : sequential file directory"
echo "           : $3"
echo ""
echo " Example"
echo " PROCPE80 $PACDIR/save/PE80 $PACDIR/save/PE"
echo "          $PACDIR/input/base_name"
echo "------------------------------------------------------------"
echo "***************** CAUTION : VERY IMPORTANT **************"
echo "------------------------------------------------------------"
echo " IF NEW VA Pac ACCESS KEYS HAVE BEEN NOTIFIED:"
echo " DO NOT FORGET TO SPECIFY THESE NEW KEYS, SUPPLIED WITH"
echo " THE PRODUCT, IN THE MBPE80 FILE:"
echo "1234567..10........20........30.....7..40........50......."
echo " NK000<---------------------- ACCES KEY ------------------"
echo "------------------------------------------------------------"
echo " IF YOUR CURRENT ACCESS KEYS ARE STILL VALID :"
echo "     DESACTIVATE THE LINE : PAC7MC=$3/MBPE80"
echo "     ACTIVATE    THE LINE : PAC7MC=/dev/null"
echo "------------------------------------------------------------"
echo ""
if [ "$#" != 3 ]
then
   echo "Incorrect number of parameters"
   exit 20
fi
sh $PACDIR/batch/proc/PAUSE.ini
echo ""
# ************************************************************
# * VA Pac : RETRIEVAL OF USER PARAMETER BACKUP 8.0/8.0.1
# *
# ************************************************************
PAC7MC=$3/MBPE80
# PAC7MC=/dev/null
export PAC7MC
PAC7IN=$1
export PAC7IN
PAC7OU=$2
export PAC7OU
echo "Execution : PTU902"
cobrun PTU902
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing PTU902"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
```

```
 ;;
esac
# ************************************************************
echo "End of procedure"
exit $RETURN
```

5.3. PC80 - RETRIEVAL OF PACBASE DATABASE

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) PC80 BATCH Procedure
#@(#)
clear
echo ""
echo "------------------------------------------------------------"
echo "                         PC80 PROCEDURE"
echo "                         =============="
echo " Please note the specific parameters:"
echo ""
echo " PC input  : complete directory and filename of PC file"
echo "           : $1"
echo " PC output : complete directory and filename of PC file"
echo "           : $2"
echo ""
echo " Example"
echo " PROCPC80 $PACDIR/save/B0/PC801 $PACDIR/save/B0/PC"
echo "------------------------------------------------------------"
echo ""
if [ "$#" != 2 ]
then
   echo "Incorrect number of parameters"
   exit 20
fi
sh $PACDIR/batch/proc/PAUSE.ini
echo ""
# ************************************************************
# * VA Pac : RETRIEVAL OF A 8.0/8.0.1 DATABASE BACKUP
# ************************************************************
PAC7MC=$1
export PAC7MC
PAC7PC=$2
export PAC7PC
echo "Execution : REPGDP"
cobrun REPGDP
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing REPGDP"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
echo "End of procedure"
exit $RETURN
```

5.4. PG80 - RETRIEVAL OF GENERATION AND PRINT COMMAND

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) PG80 BATCH Procedure
#@(#)
clear
echo ""
echo "------------------------------------------------------------"
echo "                          PG80 PROCEDURE"
echo "                          =============="
echo " Please note the specific parameters:"
echo ""
echo " PG input  : complete directory and filename of PG file"
echo "           : to be retrieval (8.0 or 8.0.1)"
echo "           : $1"
echo " PG output : complete directory and filename of PG file"
echo "           : $2"
echo ""
echo " Example"
echo " PROCPG80 $PACDIR/save/B0/PG80 $PACDIR/save/B0/PG"
echo "------------------------------------------------------------"
echo ""
if [ "$#" != 2 ]
then
   echo "Incorrect number of parameters"
   exit 20
fi
sh $PACDIR/batch/proc/PAUSE.ini
echo ""
# ************************************************************
# * VA Pac : RETRIEVAL OF A GENERATION AND PRINT COMMAND
# *          BACKUP 8.0/8.0.1
# ************************************************************
PAC7IN=$1
export PAC7IN
PAC7OU=$2
export PAC7OU
echo "Execution : PTU906"
cobrun PTU906
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing PTU906"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
echo "End of procedure"
exit $RETURN
```

5.5. PJ80 - RETRIEVAL OF ARCHIVE JOURNAL

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) PJ80 BATCH Procedure
#@(#)
clear
echo ""
echo "-----------------------------------------------------------"
echo "                         PJ80 PROCEDURE"
echo "                         =============="
echo " Please note the specific parameters:"
echo ""
echo " PJ input  : complete directory and filename of PJ file"
echo "            : $1"
echo " PJ output : complete directory and filename of PJ file"
echo "            : $2"
echo " input     : input file directory"
echo "            : $3"
echo " tmp       : temporary file directory"
echo "            : $4"
echo ""
echo " Example"
echo " PROCPJ80 $PACDIR/save/B0/PJ80 $PACDIR/save/B0/PJ"
echo "          $PACDIR/input/base_name $PACDIR/tmp/base_name"
echo "-----------------------------------------------------------"
echo ""
if [ "$#" != 3 ]
then
   echo "Incorrect number of parameters"
   exit 20
fi
sh $PACDIR/batch/proc/PAUSE.ini
echo ""
# ************************************************************
# * VA Pac : RETRIEVAL OF THE 8.0/8.0.1 ARCHIVED JOURNAL
# ************************************************************
PAC7MB=$3/MBPJ80
export PAC7MB
# PAC7MB=/dev/null
PAC7IN=$1
export PAC7IN
PAC7OU=$4/PJ16
export PAC7OU
echo "Execution : PTU917"
cobrun PTU917
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing PTU917"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
PAC7PJ=$4/PJ16
export PAC7PJ
PAC7JP=$2
export PAC7JP
echo "Execution : REP2PJ"
cobrun REP2PJ
RETURN=$?
case $RETURN in
0)
```

```
 ;;
*)
 echo "Error in executing REP2PJ"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
echo "End of procedure"
echo ""
echo "Deletion of the temporary file $4/PJ16"
rm -f $4/PJ16
exit $RETURN
```

5.6. PP80 - RETRIEVAL OF PRODUCTION ENVIRONMENT

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) PP80 BATCH Procedure
#@(#)
clear
echo ""
echo "------------------------------------------------------------"
echo "                          PP80 PROCEDURE"
echo "                          =============="
echo " Please note the specific parameters:"
echo ""
echo " PP input  : complete directory and filename of PP file"
echo "           : $1"
echo " PP output : complete directory and filename of PP file"
echo "           : $2"
echo " tmp       : temporary file directory"
echo "           : $3"
echo ""
echo " Example"
echo " PROCPP80 $PACDIR/save/B0/PP80 $PACDIR/save/B0/PP"
echo "          $PACDIR/tmp/base_name"
echo "------------------------------------------------------------"
echo ""
if [ "$#" != 2 ]
then
   echo "Incorrect number of parameters"
   exit 20
fi
sh $PACDIR/batch/proc/PAUSE.ini
echo ""
# ************************************************************
# * VA Pac : RETRIEVAL OF PEI 8.0/8.0.1 BACKUP
# ************************************************************
PAC7IN=$1
export PAC7IN
PAC7OU=$3/PP16
export PAC7OU
echo "Execution : PTU907"
cobrun PTU907
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing PTU907"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
PAC7PE=$3/PP16
export PAC7PE
PAC7PS=$2
export PAC7PS
echo "Execution : PACR90"
cobrun PACR90
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing PACR90"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
```

```
 exit $RETURN
 ;;
esac
# ************************************************************
echo "End of procedure"
echo ""
echo "Deletion of the temporary file $3/PP16"
rm -f $3/PP16
exit $RETURN
```

6. RETRIEVAL OF PACBASE 7.3

6.1. 7.3 RETRIEVAL - OPERATIONS TO BE PERFORMED

7.3 RETRIEVAL: OPERATIONS TO BE PERFORMED

The retrieval of existing applications allowing for the transformation of a PACBASE 7.3 database into a new database is broken down into the following phases:

. Retrieval of 7.3 user parameters

. Retrieval of 7.3 database(s)

. Retrieval of generation-print requests

. Retrieval of archived journal

For users of the PEI function:

. Retrieval of 7.3 Production Environment

These operations require the use of standard Database management procedures of the new VisualAge Pacbase release.

Once the Database has been retrieved and restored, User Entities specific to the WorkStation must be re-introduced into the Database via the UPDT batch update procedure.

1-Retrieval of User parameters

. Retrieval of the User parameters backup from the 7.3 release (procedure PE73).

> CAUTION: ENTER THE NEW SYSTEM ACCESS KEY ON THE NK LINE AS INPUT TO THE EXECUTION JCL PROVIDED.

. Re-initialization of the AE file from the AE0 file supplied for installation.

. Execution of the new PARM procedure using as input the PE backup file from the parameter retrieval, the user code '********', and NRREST as input parameter.

. Use of the WorkStation: new execution of the new PARM procedure. The input should include the transactions associated to the parameters settings for the methodology used (NRCHAR command).

> Refer to the Chapter INSTALLATION of your Environment & Installation manual for the current VisualAge Pacbase release shipped with your platform. Refer in particular to the paragraph related to the loading the error messages, on-line help and user parameters and more precisely to the use of Pacdesign, methodology parameterizing.

Result: The AE and AP files containing the 7.3 parameters are retrieved in the new format.

2-Retrieval of 7.3 Database(s)

. 7.3 backup of the database whose output is a 7.3 PC file (7.3 SAVE procedure).

. Retrieval of the resulting 7.3 backup file, providing a new-format PC file (PC73 procedure).

. Reorganization (new REOR) of the PC backup obtained in the previous step.

. Journal file initialization (new ARCH).

. Database restoration (new REST) using as input the new-format PC file obtained from REOR.

If libraries, sessions, and/or user codes have been deleted via the database reorganization, the corresponding transactions must be entered for the reorganization of the AG file. Obsolete generation-print requests related to deleted sessions or libraries will be purged. Requests entered by users in 7.3 and cancelled in the new release will also be purged from the AG file.

RESULT: The AJ, AN, AR, and AG files are operational under the new VisualAge Pacbase release.

3-Retrieval of 7.3 generation-print requests

. 7.3 backup file of the 7.3 AG file (8.0.2 SVAG procedure).

. Retrieval of the resulting 7.3 PG file (PG73 procedure). The output is a PG backup in the format of the new release.

. Reorganization-restoration of the generation-print requests (REAG of the new release) using as input the 7.3 PG backup obtained in the previous step.

RESULT: The AG file is operational under the new VisualAge Pacbase release.

4-Retrieval of 7.3 archived journal

. Archiving in 7.3 release format of the 7.3 journal (7.3 ARCH procedure).

. Retrieval of the resulting 7.3 PJ archived journal in the new format (PJ73 procedure). The output is a PJ archived journal in the format of the new release.

RESULT: The PJ file is operational under the new VisualAge Pacbase release.

This enables you to use the new releases of the procedures to analyze (ACTI procedure), extract (EXPJ procedure), restore-retrieve (REST/RESY procedures with the REC parameter) the transactions archived in the 7.3 release.

DSMS users who have modified their product code(s) in DSMS can perform this code change in the PACBASE journal, using an input of the PJ73 procedure.

With release 8.0.2 or later of the DSMS Function, it is possible to modify the Product Code when retrieving the previous database. The Code format changes from 1 to 3 characters.

This possibility is also offered when retrieving the PACBASE archived journal from a previous release.

USER INPUT (optional)

Pos.	Len.	Value	Meaning
1	4	'onnn'	Modification of DSMS Product Code o = former Product Code nnn = new Product Code (1, 2 or 3 characters)

On a line, the 'onnn' character string may be repeated as many times as there are Product Codes to be modified, withing the limit of 20.

NOTE: The validity of this input is not checked for proper syntax. The procedure's syntax should be carefully checked before execution, since no output report is produced.

5-Retrieval of the 7.3 Production Environment

. 7.3 backup of the Production Environment (7.3 SVPE procedure) whose output is a 7.3 PP file.

. Retrieval of the resulting 7.3 backup in the new format.

. Retrieval of the resulting 7.3 PP backup file, providing a new-format PP backup file (PP73 procedure).

. Restoration of the Production Environment (new RSPE procedure) whose input is the new-format PP file.

RESULT: The AB and AC files are operational under the new VisualAge Pacbase release.

6.2. PE73 - RETRIEVAL OF USER PARAMETERS

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) PE73 BATCH Procedure
#@(#)
clear
echo ""
echo "------------------------------------------------------------"
echo "                         PE73 PROCEDURE"
echo "                         =============="
echo " Please note the specific parameters:"
echo ""
echo " PE input  : complete directory and filename of PE file"
echo "           : to be retrieved (7.3)"
echo "           : $1"
echo " PE output : complete directory and filename of PE file"
echo "           : (user parameters in the new format)"
echo "           : $2"
echo " INPUT     : sequential file directory"
echo "           : $3"
echo ""
echo " Example"
echo " PROCPE73 $PACDIR/save/PE73 $PACDIR/save/PE"
echo "          $PACDIR/input/base_name"
echo "------------------------------------------------------------"
echo "***************** CAUTION : VERY IMPORTANT **************"
echo "------------------------------------------------------------"
echo " IF NEW VA Pac ACCESS KEYS HAVE BEEN NOTIFIED:"
echo " DO NOT FORGET TO SPECIFY THESE NEW KEYS, SUPPLIED WITH"
echo " THE PRODUCT, IN THE MBPE73 FILE:"
echo "1234567..10........20........30.....7..40........50......."
echo " NK000<---------------------- ACCES KEY ------------------"
echo "------------------------------------------------------------"
echo " IF YOUR CURRENT ACCESS KEYS ARE STILL VALID :"
echo "     DESACTIVATE THE LINE : PAC7MC=$3/MBPE73"
echo "     ACTIVATE    THE LINE : PAC7MC=/dev/null"
echo "------------------------------------------------------------"
echo ""
if [ "$#" != 3 ]
then
   echo "Incorrect number of parameters"
   exit 20
fi
sh $PACDIR/batch/proc/PAUSE.ini
echo ""
# ************************************************************
# * VA Pac : RETRIEVAL OF USER PARAMETER BACKUP 7.3
# ************************************************************
PAC7MC=$3/MBPE73
# PAC7MC=/dev/null
export PAC7MC
PAC7IN=$1
export PAC7IN
PAC7OU=$2
export PAC7OU
echo "Execution : PTU902"
cobrun PTU902
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing PTU902"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
```

```
 ;;
esac
# ************************************************************
echo "End of procedure"
exit $RETURN
```

6.3. PC73 - RETRIEVAL OF PACBASE DATABASE

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) PC73 BATCH Procedure
#@(#)
clear
echo ""
echo "------------------------------------------------------------"
echo "                         PC73 PROCEDURE"
echo "                         =============="
echo " Please note the specific parameters:"
echo ""
echo " PC input  : complete directory and filename of PC file"
echo "           : $1"
echo " PC output : complete directory and filename of PC file"
echo "           : $2"
echo ""
echo " Example"
echo " PROCPC73 $PACDIR/save/B0/PC73 $PACDIR/save/B0/PC"
echo "------------------------------------------------------------"
echo ""
if [ "$#" != 2 ]
then
   echo "Incorrect number of parameters"
   exit 20
fi
sh $PACDIR/batch/proc/PAUSE.ini
echo ""
# ************************************************************
# * VA Pac : RETRIEVAL OF A 73 DATABASE BACKUP
# ************************************************************
PAC7MC=$1
export PAC7MC
PAC7PC=$2
export PAC7PC
echo "Execution : PTURPC"
cobrun PTURPC
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing PTURPC"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
echo "End of procedure"
exit $RETURN
```

6.4. PG73 - RETRIEVAL OF GENERATION AND PRINT COMMAND

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) PG73 BATCH Procedure
#@(#)
clear
echo ""
echo "------------------------------------------------------------"
echo "                         PG73 PROCEDURE"
echo "                         =============="
echo " Please note the specific parameters:"
echo ""
echo " PG input  : complete directory and filename of PG file"
echo "           : to be retrieval (7.3)"
echo "           : $1"
echo " PG output : complete directory and filename of PG file"
echo "           : $2"
echo ""
echo " Example"
echo " PROCPG73 $PACDIR/save/B0/PG73 $PACDIR/save/B0/PG"
echo "------------------------------------------------------------"
echo ""
if [ "$#" != 2 ]
then
   echo "Incorrect number of parameters"
   exit 20
fi
sh $PACDIR/batch/proc/PAUSE.ini
echo ""
# ************************************************************
# * VA Pac : RETRIEVAL GENERATION AND PRINT COMMAND BACKUP 7.3
# ************************************************************
PAC7IN=$1
export PAC7IN
PAC7OU=$2
export PAC7OU
echo "Execution : PTU906"
cobrun PTU906
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing PTU906"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
echo "End of procedure"
exit $RETURN
```

6.5. PJ73 - RETRIEVAL OF ARCHIVE JOURNAL

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) PJ73 BATCH Procedure
#@(#)
clear
echo ""
echo "------------------------------------------------------------"
echo "                         PJ73 PROCEDURE"
echo "                         =============="
echo " Please note the specific parameters:"
echo ""
echo " PJ input  : complete directory and filename of PJ file"
echo "            : $1"
echo " PJ output : complete directory and filename of PJ file"
echo "            : $2"
echo " input     : input file directory"
echo "            : $3"
echo " tmp       : temporary file directory"
echo "            : $4"
echo ""
echo " Example"
echo " PROCPJ73 $PACDIR/save/B0/PJ73 $PACDIR/save/B0/PJ"
echo "          $PACDIR/input/base_name $PACDIR/tmp/base_name"
echo "------------------------------------------------------------"
echo ""
if [ "$#" != 4 ]
then
   echo "Incorrect number of parameters"
   exit 20
fi
sh $PACDIR/batch/proc/PAUSE.ini
echo ""
# ************************************************************
# * VA Pac : RETRIEVAL OF THE 73 ARCHIVED JOURNAL
# ************************************************************
PAC7IN=$1
export PAC7IN
PAC7OU=$4/PJ80
export PAC7OU
echo "Execution : PTU916"
cobrun PTU916
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing PTU916"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
PAC7MB=$3/MBPJ73
export PAC7MB
# PAC7MB=/dev/null
PAC7IN=$4/PJ80
export PAC7IN
PAC7OU=$4/PJ16
export PAC7OU
echo "Execution : PTU917"
cobrun PTU917
RETURN=$?
case $RETURN in
0)
```

```
 ;;
*)
 echo "Error in executing PTU917"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
echo "Deletion of the temporary file $4/PJ80"
rm -f $4/PJ80
PAC7PJ=$4/PJ16
export PAC7PJ
PAC7JP=$2
export PAC7JP
echo "Execution : REP2PJ"
cobrun REP2PJ
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing REP2PJ"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
echo "End of procedure"
echo ""
echo "Deletion of the temporary file $4/PJ16"
rm -f $4/PJ16
exit $RETURN
```

6.6. PP73 - RETRIEVAL OF PRODUCTION ENVIRONMENT

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) PP73 BATCH Procedure
#@(#)
clear
echo ""
echo "------------------------------------------------------------"
echo "                         PP73 PROCEDURE"
echo "                         =============="
echo " Note the specific parameters:"
echo ""
echo " PP input  : complete directory and filename of PP file"
echo "           : $1"
echo " PP output : complete directory and filename of PP file"
echo "           : $2"
echo " AE        : complete directory of AE file"
echo "           : $3"
echo " tmp       : complete temporary file directory"
echo "           : $4"
echo ""
echo " Example"
echo " PROCPP73 $PACDIR/save/B0/PP73 $PACDIR/save/B0/PP"
echo "          $PACDIR/bases $PACDIR/tmp/B0"
echo "------------------------------------------------------------"
echo ""
if [ "$#" != 4 ]
then
   echo "Incorrect number of parameters"
   exit 20
fi
sh $PACDIR/batch/proc/PAUSE.ini
echo ""
# ************************************************************
# * VA Pac : RETRIEVAL OF PEI 7.3 BACKUP
# ************************************************************
PAC7PI=$1
export PAC7PI
PAC7PP=$4/PP80
export PAC7PP
PAC7AE=$3/AE
export PAC7AE
PAC7IB=$4/PP73IB.R02
export PAC7IB
echo "Execution : PACR02"
cobrun PACR02
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing PACR02"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
PAC7IN=$4/PP80
export PAC7IN
PAC7OU=$4/PP16
export PAC7OU
echo "Execution : PTU907"
cobrun PTU907
RETURN=$?
case $RETURN in
```

```
0)
 ;;
*)
 echo "Error in executing PTU907"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
echo "Deletion of the temporary file $4/PP80"
rm -f $4/PP80
PAC7PE=$4/PP16
export PAC7PE
PAC7PS=$2
export PAC7PS
echo "Execution : PACR90"
cobrun PACR90
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing PACR90"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
echo "End of procedure"
echo ""
echo "Deletion of the temporary file $4/PP16"
rm -f $4/PP16
exit $RETURN
```

7. RETRIEVAL OF THE YSM METHODOLOGY

7.1. YSM RETRIEVAL - OPERATIONS TO BE PERFORMED

YSM METHODOLOGY RETRIEVAL OPERATIONS

Since release 8.0.2 02, PACBASE has allowed several methodologies to be kept in the same library sub-network. The internal names of the WorkStation YSM entities have been changed specifically for this purpose.
Therefore, it is necessary to retrieve the YSM methodology when receiving the present release, if:

. 1st case: You have an 8.0.1 PACBASE release; YSM retrieval is then comprised into the 8.0.1 PACBASE retrieval. In this chapter, you need only take into account what refers to the RTYS procedure.

. 2nd case: You have an 8.0.2 01 PACBASE release and you have to upgrade it to the present WorkStation level.

The following procedure sequence must be run to perform this retrieval:

1. ARCH:
   Creation of a PJ file.

2. SAVE:
   Creation of a PC file.

3. PCYS:
   This first special retrieval procedure operates either on the entire database or on a set of libraries, specified in the procedure's input.

The PC backup resulting from step 1 is the input of the procedure. The resulting output contains a PC(+1) backup and the list of the database libraries which have been modified.

User input is optional. '*' lines are used to indicate the libraries which contain YSM entities.

When there is no '*' line, the retrieval is performed on the whole database.

NOTE: if your database contains several methodologies, you must specify the HIGHEST-LEVEL library containing the YSM methodology.

4. REOR

5. REST

6. UPDT
   Update from the release DESYSM file.

7. OPTIONAL: Retrieval of the YSM methodology on the archived file:
   If necessary, a retrieval of the methodology can be performed on the PJ journal file resulting from the last archiving or from the retrieval. It is the PJYS procedure.

The PJ backup resulting from step 1 and the list of the database libraries modified by PCYS are used as input to the procedure. The resulting output is a PJ(+1) backup.

8. RTYS (RETRIEVAL OF THE AFL ENTITY):
   The AFL retrieval is performed only if you request it for a given library and a given session.

The RTYS directly operates on the database by creating update transactions on the $3V UEOs.

A '*' line is input for each Library/Session to be processed. It must be submited once the DESYSM file containing the WorkStation entities for the new release has been loaded.

The PACBASE database is the input of the procedure.

The resulting output is a file which contains update transactions.

7.2. RETRIEVAL OF PC FILE (PCYS)

7.2.1. DESCRIPTION OF STEPS (PCYS)

YSM RETRIEVAL: REPYSM

.Permanent input file:
 -Backup file
  PAC7MC

.Transaction file:
 -User input
  PAC7MB

.Output files:
 -Backup file
  PAC7PC
 -List of modified libraries
  PAC7MD

7.2.2. EXECUTION JCL (PCYS)

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) PCYS BATCH Procedure
#@(#)
# Parameter control
. $PACDIR/batch/proc/USAGE.ini
clear
echo ""
echo ""
echo "------------------------------------------------------------"
echo "                         PCYS PROCEDURE"
echo "                         =============="
echo "Directory 'assign'                : $PACDIR/assign/$1"
. $PACDIR/assign/$1/PACTMP.ini
echo "Directory 'tmp'                   : `dirname $PACTMP.`"
. $PACDIR/assign/$1/PACINPUT.ini
echo "Directory 'input'                 : `dirname $PACINPUT.`"
if [ -n "$2" ]
then
   echo "Radical 'tmp' and 'input' files   : $2"
fi
echo "------------------------------------------------------------"
echo ""
sh $PACDIR/batch/proc/MSGPAUSE.ini
# ************************************************************
# * VA Pac : YSM METHODOLOGY RETRIEVAL - PC FILE
# ************************************************************
. $PACDIR/assign/$1/PACSAVPC.ini
PAC7MC=$PACSAVPC
export PAC7MC
PAC7MB=$PACINPUT'MBPCYS'
export PAC7MB
PAC7PC=$PACSAVPCNEW
export PAC7PC
PAC7MD=$PACINPUT'MVPCYS'
export PAC7MD
echo "Execution : REPYSM"
cobrun REPYSM
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing REPYSM"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
echo "End of procedure"
echo ""
echo "Calling the file PCBACKUP.ini"
sh $PACDIR/assign/$1/PCBACKUP.ini
echo ""
echo "Copy of file MVPCYS on MBPJYS (input of PJYS)"
cp $PACINPUT'MVPCYS' $PACINPUT'MBPJYS'
exit $RETURN
```

7.3. RETRIEVAL OF PJ FILE (PJYS)

7.3.1. DESCRIPTION OF STEPS (PJYS)

YSM RETRIEVAL: REJYSM

.Permanent input files:
 -Backup file
  PAC7MJ
 -List of libraries modified in the
  PCYS retrieved-PC file
  PAC7MD

.Output files:
 -Backup file
  PAC7PJ

7.3.2. EXECUTION JCL (PJYS)

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) PJYS BATCH Procedure
#@(#)
# Parameter control
. $PACDIR/batch/proc/USAGE.ini
clear
echo ""
echo ""
echo "------------------------------------------------------"
echo "                        PJYS PROCEDURE"
echo "                        =============="
echo "Directory 'assign'               : $PACDIR/assign/$1"
. $PACDIR/assign/$1/PACTMP.ini
echo "Directory 'tmp'                  : `dirname $PACTMP.`"
. $PACDIR/assign/$1/PACINPUT.ini
echo "Directory 'input'                : `dirname $PACINPUT.`"
if [ -n "$2" ]
then
   echo "Radical 'tmp' and 'input' files   : $2"
fi
echo "------------------------------------------------------"
echo ""
sh $PACDIR/batch/proc/MSGPAUSE.ini
# ************************************************************
# * VA Pac : YSM METHODOLOGY RETRIEVAL - PJ FILE
# ************************************************************
. $PACDIR/assign/$1/PACSAVPJ.ini
PAC7MJ=$PACSAVPJ
export PAC7MJ
PAC7MD=$PACINPUT'MBPJYS'
export PAC7MD
PAC7PJ=$PACSAVPJNEW
export PAC7PJ
echo "Execution : REJYSM"
cobrun REJYSM
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing REJYSM"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
echo "End of procedure"
echo ""
echo "Calling the file PJBACKUP.CMD"
sh $PACDIR/assign/$1/PJBACKUP.ini
exit $RETURN
```

7.4. RETRIEVAL OF USER ENTITIES (RTYS)

7.4.1. DESCRIPTION OF STEPS (RTYS)

RETRIEVAL OF USER ENTITIES: REPAFL

```
.Permanent input files:
 -Data file
   PAC7AR
 -Index file
   PAC7AN
 -Error message file
   PAC7AE

.Transaction file:
 -User input
   PAC7MB

.Input/Output file:
 -PAF work file
   SYSPAF

.Output file:
 -Update transactions
   PAC7MV
```

7.4.2. EXECUTION JCL (RTYS)

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) RTYS BATCH Procedure
#@(#)
# Parameter control
. $PACDIR/batch/proc/USAGE.ini
clear
echo ""
echo ""
echo "------------------------------------------------------------"
echo "                         RTYS PROCEDURE"
echo "                         =============="
echo "Directory 'assign'                : $PACDIR/assign/$1"
. $PACDIR/assign/$1/PACTMP.ini
echo "Directory 'tmp'                   : `dirname $PACTMP.`"
. $PACDIR/assign/$1/PACINPUT.ini
echo "Directory 'input'                 : `dirname $PACINPUT.`"
if [ -n "$2" ]
then
   echo "Radical 'tmp' and 'input' files   : $2"
fi
echo "------------------------------------------------------------"
echo ""
sh $PACDIR/batch/proc/MSGPAUSE.ini
# ************************************************************
# * VA Pac : YSM METHODOLOGY RETRIEVAL - AFL ENTITY
# ************************************************************
. $PACDIR/assign/$1/PAC7AE.ini
. $PACDIR/assign/$1/PAC7AN.ini
. $PACDIR/assign/$1/PAC7AR.ini
SYSPAF=$PACTMP'WPAF'
export SYSPAF
PAC7MB=$PACINPUT'MBRTYS'
export PAC7MB
PAC7MV=$PACINPUT'MVRTYS'
export PAC7MV
echo "Execution : REPAFL"
cobrun REPAFL
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing REPAFL"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
# ************************************************************
echo "End of procedure"
echo ""
echo "Deletion of PAF work file"
rm -f $PACTMP'WPAF'
exit $RETURN
```

8. SPECIAL UTILITIES

8.1. INTRODUCTION

INTRODUCTION

The special utilities, supplied with the Specifications Dictionary function, allow you to perform specific processing in the Database, in order to retrieve your older-version data.

TRUV: Conversion of user manual description transactions ('U' entity) into Volume description transaction (PDM - 'V' entity).

8.2. TRUV-CHANGE OF U-ENTITY TRANSACT. INTO V-ENTITIES

RMTD:

TRUV: CONVERSION OF USER MANUALS INTO VOLUMES

The TRUV procedure transforms User Manual definition and description lines (resulting from the extraction of the 'U' entity from the database by the PACX-EXTR procedure) into Volume definition and description lines, which in turn can be used as input to the Database Updating (UPDT) procedure.

EXECUTION CONDITION

None, since the database is not directly updated.

8.2.1. TRUV-USER INPUT

TRUV: USER INPUT

One '*'-line is required:

POS.	LEN.	VALUE	MEANING
2	1	'*'	Line code
3	8	uuuuuuuu	User code
11	8	pppppppp	User password
19	3	bbb	Library code to be extracted
22	4	ssss	Session number (default=current)
26	1		Session status if frozen session:
		' ' or H	Initial version of frozen session
		T	Test version of frozen session

One 'W1' line for each Volume if the user wishes to modify any value retrieved from the User Manual Definition or the default options of the Volume Definition.

(For more details on the Volume Definition, refer to the PERSONALIZED DOCUMENTATION MANAGER Reference Manual).

POS.	LEN.	VALUE	MEANING
2	2	'W1'	Line code
4	6	xxxxxx	Code of the Volume to be created (default: code of User Manual)
10	36		Clear name of the Volume (default: clear name of User Manual)
46	1		Type of Volume
47	1		Title Page
48	1		Table of Contents Source
49	1		Table of Contents Placement
50	6		Index Table Text Code
56	3		Report code for print layout
59	3		Report Code for Font Type
62	3		Specific Layout Code
65	3		Internal use only
68	3		Code of User Manual to be trans-formed (Required)
70	1	'1'	Generates -TA option (NO justifica- tion) for the Volume

RESULT

The result of the TRUV procedure is a sequential file containing the Volume Definition and Description, which can be used as input to the update procedure.

'W1' lines that contain any errors are ignored. The resulting Volume will have the code and clear name of the User Manual, as well as the standard default options of the Volume Definition.

The extracted transactions must not include '*'-type lines (user identification lines).

8.2.2. TRUV-DESCRIPTION OF STEPS

TRANSPOSITION: PTU890

This step transforms 'U' entity transactions into 'V' entity transactions, with possible transcoding showed by the 'W1' input lines.

```
.Input files:
 -'U' entity transactions
   PAC7MV
 -User input
   PAC7MB

.Output file:
 -'V' entity transactions for update
   PAC7VM
```

8.2.3. TRUV-EXECUTION JCL

```
#!/bin/sh
#@(#)
#@(#)--   Release xxx Version xxx   --
#@(#)
#@(#)VA Pac (R) TRUV BATCH Procedure
#@(#)
# Parameter control
. $PACDIR/batch/proc/USAGE.ini
clear
echo ""
echo "-----------------------------------------------------------"
echo "                        TRUV PROCEDURE"
echo "                        =============="
echo "Directory 'assign'                : $PACDIR/assign/$1"
. $PACDIR/assign/$1/PACTMP.ini
echo "Directory 'tmp'                   : `dirname $PACTMP.`"
. $PACDIR/assign/$1/PACINPUT.ini
echo "Directory 'input'                 : `dirname $PACINPUT.`"
if [ -n "$2" ]
then
   echo "Radical 'tmp' and 'input' files   : $2"
fi
echo "-----------------------------------------------------------"
echo ""
sh $PACDIR/batch/proc/MSGPAUSE.ini
# ************************************************************
# * VA Pac : TRANSFORMATION OF USER MANUALS INTO VOLUMES
# *
# ************************************************************
# * INPUT TRANSACTION FORMAT :
# * .ONE * LINE USER AND LIBRARY
# *  ('F' IN COL.27: MESSAGES IN FRENCH)
# * .ONE W1 LINE PER 'V' ENTITY TO MODIFY (OPTIONAL)
# *  (IF A LINE IS ERRONEOUS, IT IS IGNORED, AND THE TRANS-
# *  POSITION WILL TAKE THE VALUES OF THE USER MANUAL.)
# *  COL  2-3  : 'W1'
# *  COL  4-9  : VOLUME CODE (GDP)
# *  COL 10-45 : CLEAR NAME OF THE VOLUME (GDP)
# *  COL 46    : VOLUME TYPE
# *  COL 47    : TITLE PAGE
# *  COL 48    : TABLE OF CONTENTS SOURCE
# *  COL 49    : TABLE OF CONTENTS PLACEMENT
# *  COL 50-55 : INDEX TABLE TEXT CODE
# *  COL 56-58 : REPORT CODE FOR PRINT LAYOUT
# *  COL 59-61 : REPORT CODE FOR CHARACTER FONTS
# *  COL 62-64 : REPORT CODE FOR SPECIFIC LAYOUT
# *  COL 65-67 : INTERNAL USE ONLY
# *  COL 68-69 : CODE OF USER MANUAL TO TRANSFORM (REQUIRED)
# *  COL 70    : '1' OPTION -TA OF GDP VOLUME
# ************************************************************
PAC7MB=$PACINPUT'MBTRUV'
export PAC7MB
PAC7MV=$PACINPUT'MVEXTR'
export PAC7MV
PAC7VM=$PACINPUT'MVTRUV'
export PAC7VM
echo "Execution : PTU890"
rtscgi PTU890
RETURN=$?
case $RETURN in
0)
 ;;
*)
 echo "Error in executing PTU890"
 echo "Error $RETURN"
 sh $PACDIR/batch/proc/ERRPAUSE.ini
 exit $RETURN
 ;;
esac
```

```
# ************************************************************
echo "End of procedure"
exit $RETURN
```

9. MIGRATION OF A VISUALAGE PACBASE DATABASE

9.1. OVERVIEW OF THE MIGRATION PROCESS

MIGRATION OF A VA PAC DATABASE ONTO A LOCAL NETWORK

This chapter describes the operations which are specific to the migration of a VA Pac database onto another platform.

Examples:

- Migration of an IBM/MVS platform onto an OS/2, Unix or Windows/NT platform,
- Migration of an OS/2 platform onto a Unix or Windows/NT platform.

The operations include three steps:

- On the source platform, constitution of all the sequential backups which make up the database, plus possible processing of these files to ensure their correct transfer and retrieval on the target platform.
- Transfer of the sequential files onto the target platform.
- On the target platform, retrieval of all the sequential files to adapt them to the new installation technical characteristics, and then restoration of the files which make up the VA Pac database on the target platform.

Refer to Chapter RESTORING FILES ON THE TARGET PLATFORM in the Operations Manual - Environment & Installation for each of these platforms.

9.2. BUILDING OF FILES ON THE SOURCE PLATFORM

BUILDING OF FILES ON THE SOURCE PLATFORM

The user may refer to the BATCH PROCEDURES Operations manuals corresponding to the source platform for the description of the procedures presented below.

User Parameter Backup

. Execution of the PARM procedure, whose output is a user parameter PE backup file.

. Decryption of user passwords by the execution of the CRYP procedure, using the 'DECODE' parameter in input.

Database Backup

. Execution of the ARCH procedure, whose output is a PJ archived transaction file.

. Execution of the SAVE procedure, whose output is a PC database backup file.

. For a correct transfer of the backup, replacement of low-value by blanks in the PC file by the execution of the LVBL procedure.

Generation-Print Request Backup

. Execution of the SVAG procedure, whose output is a PG backup file of generation-print requests.

Production Environment Backup

. For users equipped with a PEI function, execution of the SVPE procedure, whose output is a production environment PP backup file.

Pactables backup

For users equipped with Pactables, two cases are possible:

. Pactables migrates onto the target platform: execution of the SVTA procedure, whose output is a TC backup file of table content and descriptions, as well as user parameters.

. Pactables remains on the source platform: in this case only the TD table description file must be present on the new development platform. Execution of the SMTD procedure, whose output is a PD backup file of table descriptions, and retrieval of this file, if necessary, to adapt it to the format of the new release.

The user may refer to the Pactables Function Operations manual to see if it is necessary to retrieve the TD file.

9.3. TRANSFER OF FILES

TRANSFER OF FILES TO THE LOCAL NETWORK

The transfer software to be used varies according to the platform. The sequential files to be transferred are output by the previous steps, i.e.:

. PE user parameter backup,
. PC database backup,
. PG generation-print request backup.

And possibly:

. PJ archived journal, if the user wants to retrieve it on the target platform,
. PP production environment backup,
. backup of TD table descriptions.

OS/2 OR WINDOWS/NT DATABASE MIGRATION

It may be necessary to modify (character conversion) these files.

For example, in the case of the PC file:

The PC file will most likely be in the the OS2 file format (the lines end with Control_M Control_J). In order to check this, print the beginning of the file with the following commands:

```
head PC > PC.beg
vi PC.beg
```

If Control_M appears at the end of lines, this means that it is an OS/2 formatted file. It is necessary to delete the Control_M characters with the following commands:

```
cgidos2ux PC > PC.new
mv PC.new PC
```

If the PC file contains accents or special characters, convert the file from the "pc850" character format to the UNIX character format ("hp" for HP9000, "iso8859" for DPX/2, DPX/20, DEC) via the following command:

```
cgitrans PC PC.new pc850 hp (on HP9000)
mv PC.new PC
```

NOTE: This conversion is irrelevant for the RS6000 since the character format of this machine is "pc850".

MAINFRAME DATABASE MIGRATION:

It is possible to perform transfers with the software supplied on the UNIX computer:

The transfer features are:

. the files to transfer are the data files (DATA),

. the files must be converted to ASCII format,

. the files must contain the characters that detect the end of records.

It is also possible to transfer via the work station, using a mainframe communication software. In this case the file retrieved on the UNIX machine is in the OS/2 or DOS format and it is necessary to perform the same character conversion as for the VA Pac migration.

NOTE: the commands cgidos2ux and cgitrans are utilities supplied with the product with PACBASE 8.0.2 and are located in the $PACDIR/bin directory.

9.4. FILE RESTORATION ON THE TARGET (LOCAL) PLATFORM

RESTORING FILES ON THE TARGET PLATFORM

PHYSICAL ORGANIZATION OF FILES

All the VA Pac indexed sequential files on OS/2, UNIX and Windows/NT releases are physically managed according to the ASCII sequence. These are the AE, AP and AG, AB, AC files for the PEI function and TD for the Pactables interface. The sequential backups of all these files will then be sorted according to an ASCII sequence during the database migration onto VA Pac.

SOURCE PLATFORM RELEASE

If the source platform release is identical to that of the target platform, the retrieval of the sequential backups will essentially consist in the conversion of these files into the OS/2 ASCII format of the target platform.

If the source platform release is older than the target platform release, but newer or equal to the 8.02v02 release, the PJ16 and PP16 procedures should be applied before the above mentioned steps. (See Chapter 'RETRIEVAL OF PACBASE 802v02,... 2.0' in your Environment & Installation manual for details on these procedures.)

If the source platform release is earlier than 8.02v02, contact VisualAge Pacbase Support to work out the best solution.

The procedures presented below are described in Chapter 'MIGRATIONS' of the 'Batch Procedures: Administrator's Guide'.

OPERATIONS TO BE PERFORMED

1. User Parameter Restoration

. Retrieval of the PE backup in ASCII format: PEAS procedure.

. Encryption of user passwords (these were decrypted before the transfer of PE file) by the CRYP procedure with 'CODE' parameter.

. Restoration of the AE and AP files via the running of the LOAE procedure, which uses in input:

- The backup (PE file) output from the CRYP procedure,

- The AE0 file supplied for the installation,

- The MBLOAE transaction file containing the NRREST command.

RESULT: The AE and AP files containing the source installation user parameters which are operational on the new platform.

2. Database Restoration

. Reorganization (REOR procedure) of the PC backup, output from the PC73 or PC80 retrieval, or directly output from the file transfer.

. Initialization of journal file (ARCH procedure) if the AJ file already exists in the 'JOURNAL' directory of the database to be installed.

. Restoration of the database (REST procedure) using the PC backup output produced by the reorganization. Before executing the restoration, make sure that the input transaction (MBREST) is correct.

RESULT: The AR, AN and AJ files are operational on the new platform.

3. Restoration of generation-print requests

. Sort of the PG backup in ASCII format: PGAS procedure (all releases of the source site).

. Reorganization-restoration of generation-print requests (REAG) using the PG backup obtained in the previous step as input. Before executing this restoration, make sure that the input transaction (MBREAG) includes 'AG'.

If libraries, sessions, and/or user codes have been deleted via the database reorganization, the corresponding transactions must be entered for the reorganization of the AG file. Obsolete generation-print requests related to deleted sessions or libraries will be purged.

RESULT: The AG file is operational on the new platform.

4. PEI: Production Environment Restoration

. Retrieval of PP backup in the ASCII format: PPAS.

. Restoration of the production environment (RSPE) using the PP backup obtained in the previous step as input.

RESULT: The AB and AC files are operational on the new platform.

5. Pactables: Restoration of Table Descriptions

Only the migration of the table descriptions file (TD) is explained here. Besides, the retrieval of this file in the format of the new release may be performed on the site where Pactables operates. The transferred PD backup file is then already in the format of the new release:

. Retrieval of PD backup in the ASCII format: TD80 procedure.

. Restoration of table descriptions (RMTD) using the backup obtained in the previous step as input.

RESULT: The TD file is operational on the new platform.

9.5. CRYP - CODING-DECODING OF PASSWORDS

CRYP: INTRODUCTION

The CRYP procedure performs the encryption and decryption of user passwords in the PE user-parameter backup file.

The objective of this procedure is to transfer the PE file onto platforms with different codings.

EXECUTION CONDITION

Authorization level '4' for the update of user parameters (PARM).

9.5.1. CRYP - USER INPUT

CRYP: USER INPUT

A '*' line with the user code and the password must be entered.

The user code specified on the '*' line must exist in the PE file to be processed.

The procedure's specific user input allows for the selection of either Encryption or Decryption.

Pos.	Len.	Value	Meaning
3	6	'CODE'	Password encryption
		'DECODE'	Password decryption

NOTE: When decrypting, the backup obtained must not be reloaded via the 'PARM' procedure. If it were, user passwords would no longer be recognized.

9.6. LVBL - CHANGE OF LOW-VALUE CHARACTERS INTO BLANKS

LVBL: INTRODUCTION

The LVBL procedure inserts a blank wherever a low-value is present in the PC Database backup file.

The purpose of this procedure is to transfer the PC file onto different platforms while avoiding problems due to the presence of low-values at the time of transfer.

UTILIZATION OPTION

The LVBL procedure allows you to keep only records of the 'data' type. See the 'Description of Steps' section (Sub-chapter dedicated to LVBL in the Administrator's Guide) for further details on the implementation of this option.

EXECUTION CONDITION

None