Test Plan
RELEASE 1415

PAN Enhancements Installation
Service Requests 15213 & 16901

June 12, 2002

Information Systems & Computing
Office of the President
University of California
Final
June 12, 2002
# Table of Contents

**testing overview** ........................................................................................................ 1

**Control Table (ctl) Initial Load (Loadctl)** ................................................................. 2

**Employee Data Base (EDB) Initial Load (Loadedb)** .................................................. 3

**PAN Data Base Tables (PAN) Initial Load (LoadPan2)** .............................................. 3

**PAN Enhancement Testing** ........................................................................................ 4

**Pre Data Conversion** .................................................................................................. 4

  Database Trigger Testing .............................................................................................. 4

**Data Conversion Testing** .......................................................................................... 6

  PPO14151 ................................................................................................................... 6

  PPO14152 ................................................................................................................... 7

  PPO14153 ................................................................................................................... 7

**Post Data Conversion Testing:** .................................................................................. 8

  Cics pan testing ............................................................................................................ 8

  Web pan testing ............................................................................................................ 8

  Batch pan testing ......................................................................................................... 8

  Ucomlr .......................................................................................................................... 8
Testing Overview

This test plan addresses the test runs and cases constructed to verify the correct installation of Release 1415. The test is made up of the following components:

1. Control Table Data Base (CTL) Initial Load (LOADCTL)
2. Employee Data Base (EDB) Initial Load (LOADEDB)
3. Post Authorization Notification Data Base Tables (PAN) Initial Load (LOADPAN2)
4. EDB Web Testing
CONTROL TABLE (CTL) INITIAL LOAD (LOADCTL)

Description

This job loads the DB2 CTL database.

Verification

Ensure that the DB2 CTL has been successfully restored by verifying normal completion of the job and ensuring that all tables have been successfully loaded into the data base.
EMPLOYEE DATA BASE (EDB) INITIAL LOAD (LOADEDDB)

Description
This job loads the EDB database.

Verification
In order to assure successful completion of this job, verify that the EDB has been successfully restored by verifying normal completion of the job and ensuring that all tables have been successfully loaded into the database.

PAN DATA BASE Tables (PAN) INITIAL LOAD (LOADPAN2)

Description
This job loads the PAN database tables.

Verification
In order to assure successful completion of this job, verify that the PAN tables have been successfully restored by verifying normal completion of the job and ensuring that all tables have been successfully loaded into the database.


PAN Enhancement Testing

**IMPORTANT:** Testing for this release **must** be timed according to three distinct areas of the installation: pre data conversion, data conversion and post data conversion.

This portion of the testing will address:

- Database Trigger Testing (pre-data conversion)
- Data Conversion Testing (data conversion)
- CICS PAN Testing (post data conversion)
- Web PAN Testing (post data conversion)
- Batch PAN Testing (post data conversion)

Pre Data Conversion

Database Trigger Testing

This portion of the testing requires that the Installation Instructions have been completed through Program Preparation Phase 1.

1. Run batch program PPPANDIR (RUNPAND) with the spec card mode set to “REPORT”, using input file PAYSBI.RLSE.DIRLOAD. This will confirm that the triggers on the UC0DIR table have been correctly installed prior to loading data. Since the error messages are generated by the database triggers for the UC0DIR table, they are also reported in the MESSAGES output file of the job with SQLCODE of -723. These can be ignored, as they are duplicated in the program’s error report.

- Verify that the return code 0005 is issued.
- Verify that the following messages are issued in the PPPANDI report listing:

<table>
<thead>
<tr>
<th>Code</th>
<th>Severity</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD-002</td>
<td>1-INFORMATION</td>
<td>RUN SPECIFICATION RECORD:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PPPANDIR--SPECREPORT</td>
</tr>
<tr>
<td>PD-008</td>
<td>5-TRAN REJECT</td>
<td>RECORD REJECTED. SEE FOLLOWING MESSAGES:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USER ID: PAYTST15 MESSAGE: LAST NAME REQUIRED</td>
</tr>
<tr>
<td>PD-008</td>
<td>5-TRAN REJECT</td>
<td>RECORD REJECTED. SEE FOLLOWING MESSAGES:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USER ID: paytat16 MESSAGE: USERID MUST BE UPPER CASE</td>
</tr>
<tr>
<td>PD-008</td>
<td>5-TRAN REJECT</td>
<td>RECORD REJECTED. SEE FOLLOWING MESSAGES:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USER ID: MESSAGE: USER ID REQUIRED</td>
</tr>
<tr>
<td>PD-008</td>
<td>5-TRAN REJECT</td>
<td>RECORD REJECTED. SEE FOLLOWING MESSAGES:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USER ID: PAYTST18 MESSAGE: MIDDLE NAME W/O 1ST NAME</td>
</tr>
<tr>
<td>PD-006</td>
<td>1-INFORMATION</td>
<td>RUN CONTROL TOTALS:</td>
</tr>
</tbody>
</table>
2. Run batch program PPPANDIR (RUNPAND2) with the spec card mode set to “REPORT”, using input file PAYSBI.RLSE.DIRLOAD2.
   • Verify that the return code 0003 is issued.
   • After verifying that the output does not contain any errors:

3. Run batch program PPPANDIR (RUNPAND3) with the spec card mode set to “UPDATE”, using input file PAYSBI.RLSE.DIRLOAD2. This input file does not contain any fatal errors so data can be used for the rest of the installation testing if so desired.
   • Verify that the return code is 0003 is issued.
Data Conversion Testing

In order to facilitate a smooth transition during the data conversion period, it is recommended that the following approach be reviewed. Your campus may elect to utilize another process.

In the test environment:

1. Unload the Production PPPPND table and load it into the test region being used for this install. The reason for using the Production PPPPND table in this step as well as in step 2 is that this table may/will be updated in the production environment and we do not want to miss any of these new entries.

2. Run PPO14151, in “REPORT” mode, against the test PPPPND table to produce error report OT14151 Exception Report.

Give this report to the person responsible for developing the enhanced PAN Directory so that all fatal errors can be resolved. Fatal errors on this report are the result of not being able to match an address (either email or userid) in the PPPPND table with an entry in the UC0DIR table. There may be addresses in the PPPPND table associated with userid’s that are no longer valid or email addresses that don’t have a corresponding userid. These must be resolved by using the Production EENT screen to replace these addresses with valid userid’s in PPPPND table. It is also possible that the flat file used to create the directory did not include all of the desired userid’s. It may be necessary to reexamine the process used to create the flat file to make sure that it is capturing all of the userid’s used for PAN review. If this flat file has been corrected, it may be possible to skip step 3 below. However this is not recommended as you may miss some production updates to the PPPPND table.

3. Unload the Production PPPPND table and load it into the test region again.
4. Repeat steps 2 through 3 until there are NO more unresolved Fatal errors reported.
5. When there are no more Fatal errors, continue with the installation in Production.

PPO14151

1. Run batch program PPO14151 (RUNOT1) with the spec card mode set to “REPORT”.
   - Verify that the return code is 0000 is issued.
   - Verify that your output matches RLSE.EXCRPT1 and RLSE.CTLRPT1.

2. IMPORTANT: Do not run this step if there are any FATAL errors in the prior step. Run batch program PPO14151 (RUNOT1) with the spec card mode set to “UPDATE”.
   - Verify that the return code is 0000 is issued.
   - Verify that your output matches RLSE.EXCRPT1 and RLSE.CTLRPT1
PPO14152

1. Run batch program PPO14152 (RUNOT2) with the spec card mode set to “REPORT”.
   • Verify that the return code is 0003 is issued.

PPO14153

1. Run batch program PPO14153 (RUNOT3) with the spec card mode set to “REPORT”.
   • Verify that the return code is 0003 is issued.
Post Data Conversion Testing:
This portion of the testing requires that the installation instructions have been completed.

CICS PAN Testing
Please refer to Attachment A.

Web PAN Testing
Please refer to Attachment B.

Batch PAN Testing

UC0MLR

1. Run batch program UC0MLR (RUNMLR). with
   
   • Verify that the return code is 0000 is issued.
   • Verify that your output matches .RLSE.EMAILSUM.

THIS COMPLETES THE TESTING PLAN.