Testing Overview

This test plan addresses the test runs and cases constructed to verify the correct installation of Release 1178. The test is made up of the following components:

1. VSAM Control Table (CTL) Initial Load (LOADVSM)
2. Control Table Data Base (CTL) Initial Load (LOADCTL)
3. Employee Data Base (EDB) Initial Load (LOADEDDB)
4. CNA Data Base (CNA) Initial Load (LOADCNA)
5. CNA Monthly Change Process (R790MON)
6. Delete TX data on CNA Data Base (RUN789)
7. TX Annual Process (R795ANN)
8. Load EDB data for Subsequent TX Monthly Change Process (LOADEDDB2)
9. TX Monthly Change Process (R795MON)
VSAM CONTROL TABLE (CTL) INITIAL LOAD (LOADVSM)

**Description**

This job loads the VSAM CTL Tables.

The System Messages updates are already reflected in the particular PDS member used for the loading of the VSAM Tables. Program PPP250 accesses the data on the VSAM CTL Tables.

**Verification**

Ensure that the VSAM Control Tables have been successfully restored by verifying normal completion of the job.
CONTROL TABLE (CTL) INITIAL LOAD (LOADCTL)

**Description**

This job loads the DB2 CTL database. The DB2 CTL database sent with this release reflects the Generic FAU structures.

The System Messages updates are already reflected in the particular PDS members used for the loading of 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 database.
EMPLOYEE DATA BASE (EDB) INITIAL LOAD (LOADEDDB)

Description

This job loads the EDB database. The DB2 EDB database sent with this release reflects the Generic FAU structures.

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.
CNA DATA BASE (CNA) INITIAL LOAD (LOADCNA)

Description

This job loads the CNA database. The data contained in the PDS UDB2CNA will be used to test the modified programs.

Verification

In order to assure successful completion of this job, verify that the CNA has been successfully restored by verifying normal completion of the job and ensuring that all tables have been successfully loaded into the database.
CNA Monthly Change Process (R790MON)

Description

The specification record contains a Run Type value of ‘MONTHLY’ to process the CNA monthly changes.

This job updates the CNA data on the CNA Personnel and CNA Appointment Tables using data from the EDB.

Per Service Request 13229, program PPP790 was modified to obtain the Separation Reason Descriptions from the Code Translation Table, and not from copymember CPWSXSEP. Employee ID 000050065 is used for this test case.

In addition, PPP790 was modified to correct an error addressed in Error Report 846. Before the correction was made, the program terminates with a sql return code of –803 when the employee has a single eligible appointment from last month, but the appointment became ineligible (All distributions are associated with shift differentials) in the current month processing; the employee’s single CNA Appointment data is deleted, but the employee’s CNA Personnel data is still on the CNA database. Employee ID 000050039 is used for this test case.

Verification

Verify on the PPP7902 Report (REPORTS PDS, member PPP7902) for the following employees:

- Employee ID 000050039:

  This employee has the following current Appointment/Distributions data on the EDB (REPORTS PDS, member PPP2501A):

  **Appointment 10** – Title Code 9119 (EDB 2006), Percent Full-time 0.25 (EDB 2012), Pay Rate 23.50 (EDB 2014)

  **Distribution 11** – DOS SDF (EDB 2056)
  **Distribution 12** – DOS SDF (EDB 2086)

  Since this employee no longer has any eligible appointments, the employee’s CNA data is deleted from the CNA Personnel Table and the CNA Appointment Table (see the printed SPUFI reports (REPORTS PDS, members SPUFIC, SPUFID)). Note that the employee is counted in the Total Employees Deleted on report PPP7902 (REPORTS PDS, member PPP7902).
Employee ID 000050065:

This employee has the following current personnel data on the EDB (*REPORTS PDS, member PPP2501A*):

**Employment Status:** = ‘S’ (EDB 0144)

**Separation Reason Date:** = 12/31/97 (EDB 0140)

**Separation Reason:** = AA (EDB 0141)

Since this employee has separated from employment, the employee’s CNA data is deleted from the CNA Personnel Table and the CNA Appointment Table (see the printed SUPFI reports (*REPORTS PDS, members SPUFIC, SPUFID*). Note that the employee is counted in the **Total Employees Deleted** on report PPP7902 (*REPORTS PDS, member PPP7902*). Verify that the Separation Date of ‘12/31/1997’ and Separation Reason of ‘TO ACCEPT ANOTHER JOB’ are displayed on the PPP7902 report under the **Current Data** column.

**Note:**
Employee ID 000050041 has an Employment Status (EDB 0144) of ‘I’ (Inactive). The employee’s Appointment Number 10 has expired on 01/02/1997 (from Special Daily Process) (*See report PPP2501A*). However, the CNA Monthly Change Process still considers this employee’s appointment as active (from SCR Current Date). Therefore, the employee’s CN Personnel data and CN Appointment data are not deleted from the CN Personnel and CN Appointment Tables. This corrects the error addressed in Error Report 1547.
Delete TX data on CNA Data Base (RUN789)

Description

This job deletes all the TX records on the TX Employee Personnel and TX Employee Appointment Tables, prior to the execution of the TX Annual Process.

Verification

In order to assure successful completion of this job, verify the results on the following reports:

- **PPP7891 (REPORTS PDS, member PPP7891)**

  CNA DATA BASE – TOTAL TX EMPLOYEES DELETED: 18

- **PPP7892 (REPORTS PDS, member PPP7892)**

  If desired, the program can be run a second time to produce the error report indicating that the CNA Database does not contain TX records. The error message displayed should be 789-02 (**OPER - PPP789 NO TX EMPLOYEES FOUND ON CNA DATA BASE - STOP RUN**).
TX Annual Process (R795ANN)

**Description**

This job produces the TX Annual File and inserts TX data into an empty campus CNA database (no TX records on TX Employee Personnel and TX Employee Appointment Tables. The specification record for this run contains a Run Type of ‘ANNUAL’ in columns 12 through 17.

**Verification**

In order to assure successful completion of this job, verify the results on the following report:

**PPP7951 (REPORTS PDS, member PPP7951)**

TX ANNUAL FILE TOTAL EMPLOYEES: 18

Verify the data on the TX Annual File:

**TX Annual File (R1178.TXANFILE)**

The positions specified below are relative positions. Each printed data the on the file-aid report starts with 4 bytes (columns through 4) reserved for the system. To find the correct position on the printed data, 4 characters must be added to the specified columns below.

**Record 1** - (Control Record) – , Value of ‘03’ (Campus Location Code) in columns 1 through 2, value of ‘97’ (Year) in columns 42 through 43, value of ‘0000018’ (Total Records on file) in columns 44 through 50,

**Record 2** - Value of 000050050 (Employee ID) in columns 33 through 41, value of 02 (Total Number of Title Codes on record) in columns 294 through 295, value of 8263 (Title Code) in columns 296 through 299, value of 2 (Appt Type for Title Code 8263) in column 341, value of 8312 (Title Code) in columns 342 through 345, value of 2 (Appt Type for Title Code 8312 in column 387.

**Record 5** - Value of 000050075 (Employee ID) in columns 33 through 41, value of 02 (Total Number of Title Codes on record) in columns 294 through 295, value of 4812 (Title Code) in columns 296 through 299, value of 3 (Appt Type for Title Code 4812) in column 341, value of 6103 (Title Code) in columns 342 through 345, value of 3 (Appt Type for Title Code 6103 in column 387.
Record 18 - Value of 999888055 (Employee ID) in columns 33 through 41, value of 01 (Total Number of Title Codes on record) in columns 294 through 295, value of 6113 (Title Code) in columns 296 through 299, value of 2 (Appt Type for Title Code 6113) in column 341.
Load EDB data for Subsequent TX Monthly Change Process (LOADEDB2)

Description

This job loads the EDB database. The DB2 EDB database sent with this release reflects the Generic FAU structures.

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.
TX Monthly Change Process (R795MON)

Description

This job produces the TX Monthly Change report, and updates the TX data on the TX Employee Personnel and TX Employee Appointment Tables. The specification record for this run contains a Run Type of ‘MONTHLY’ in columns 12 through 18.

Verify the following employees on report PPP7952 (REPORTS PDS, member P7952MON):

- **Employee ID 000050050 (BARR, CLARK)** - The Pay Rate on Title Code 8312 was changed from 40,089.60 to 42,804.00

- **Employee ID 955971235 (NINO, ELM N)** – The is employee is a newly-hired employee. This employee has two appointments with the same Title Code (See report PPPP2501). Appointment 10 contains a Pay Rate of 45.00 and Percent Full-time of .75. Appointment 40 contains a Pay Rate of 50.00, and Percent Full-time of .25. Note that the highest pay rate of 50.00 is selected from Appointment 40. The Annual Pay Rate is calculated as 50.00 (hourly pay rate) times 2920 (hours in year) = 146,000.00. The total Percent Full-time is 1.00 (.75 + .25).

- **Employee ID 000050019 (SLIFE, FAY)** – This employee has been separated.

- **Employee ID 000050071 (SOAR, DINAH)** – The City-Address has been changed from SAN FRANCISCO to BERKELEY.

- **Employee ID 000050070 (TORY, SAL U.)** – This employee has been separated.

- **Employee ID 999888055 (WANNAMAKER, MICHAEL ANDREW)** – The Appointment Type has been changed from 2 to 3.

- **Employee ID 955971230 (WINTER, COLD N)** – This employee is a newly-hired employee.

Notes:

Employee ID 999888044 has an Employment Status (EDB 0144) of ‘I’ (Inactive). The employee’s Appointment Number 10 has expired on 01/02/1997 (from Special Daily Process) (See report PPP2501B). However, the TX Monthly Change Process still considers this employee’s appointment as active (from SCR Current Date). Therefore, the
employee’s Personnel data and TX Appointment data are not deleted from the TX Personnel and TX Appointment Tables.

Employee ID 000050075 has a value of ‘N’ in the Employee Organization Disclosure (EDB 0214) field (See report PPP2501B). Therefore, the employee’s home address is not displayed on the Monthly Change Report, nor written to the TX Personnel Table.