

Release 1802

**Error Reports 1864, 1901, 1933,
1952, 1987, 2066,
2072, 2095, 2145**

Fixes to Control Table Related Modules

Test Plan

January 25, 2008
Prepared by J. Quan

Information Resources & Communications
Office of the President
University of California

Testing Overview

This test plan addresses the test runs and cases constructed to verify the correct installation of Release 1802.

The test is made up of the following components:

1. Control Table Data Base (CTL) Initial Load (LOADCTL)
2. CTL Transaction Updates (RUN004U)
3. CTL Report Listings (RUN004R)

Control Table Data Base (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 database.

CTL Transaction Updates (RUN004U)

Description

This job updates the various CTL Tables via update transactions.

Verification

Verify the following results to confirm that the corrections to the appropriate programs have been made:

Error Report 1864

Currently, the delete logic in **PPCTCALE** only allows a deletion of an entire month in which the associated day entries are automatically deleted as well.

PPCTCALE has been modified to accept a delete transaction to delete the specific day entry. Verify that the following delete transaction has been accepted, and that the DB2 CAD record containing a key of month = 05, day = 29, and year = 2008 has been deleted.

```

      1  1  2  2  3  3  4  4  5  5  6  6  7
1---5---0---5---0---5---0---5---0---5---0---5---0
D0520080529

```

Error Report 1933

Currently, PPCTT27 does not move the Account Range, Fund Range, or Account/Fund Range from the input transaction into the linkage area associated with the table key editing process, causing the reject of the ESP delete transaction.

PPCTT27 has been modified to move the input Account Range, Fund Range, or Account/Fund Range into the linkage area. Verify that the following delete transaction has been accepted, and that the DB2 ESP record containing a key of Location Code = 3, Record Type = 2, Account/Fund 1 = 429000, and Account/Fund 2 = 429999 has been deleted.

```

      1  1  2  2  3  3  4  4  5  5  6  6  7
1---5---0---5---0---5---0---5---0---5---0---5---0
D2732    429000429999

```

Error Report 1952

Currently, PPCTCALE does not validate the entered Last-Day-Of-The-Month value as being other than numeric, allowing out of range values to be input. Thus, an entered Last-Day-Of-The-Month value that is either greater than or less than the actual last day of the month value is erroneously accepted.

PPCTCALE has been modified to validate the input Last-Day-Of-The-Month value on the transaction. Verify that the following two transactions with invalid last day of the month values in columns 12 through 13 are rejected.

```

      1  1  2  2  3  3  4  4  5  5  6  6  7
1---5---0---5---0---5---0---5---0---5---0---5---0
C052008050032M THU
C052008050016M THU

```

Error Report 1987

Currently, when PPCTT36 processes an add type transaction where the PGT (Processing Group Table) entry contains 16 or fewer input triggers, PPCTT36 added a superfluous PGT row with a blank PGT Routine Type and zero PGT Routine Number.

PPCTT36 has been modified to prevent a superfluous PGT row containing a blank PGT Routine Type and zero PGT Routine Number from being added to the PGT table when 16 or fewer triggers are entered. Verify that the following PGT transactions are accepted. In addition, verify that the PGT rows containing a blank PGT Routine Type and zero PGT Routine Number are not added to the PGT Table under PGT_PROG_ID 08 and PGT_PROCESS_SEQ 15, and PGT_PROG_ID 12 and PGT_PROCESS_SEQ 61.

```

      1  1  2  2  3  3  4  4  5  5  6  6  7
1---5---0---5---0---5---0---5---0---5---0---5---0
A361080210015I509
C362080210015 A001A002I509
A361120210061I509
C362120210061 A001A002I509

```

Error Report 2066

Currently, PPCTGTNE initializes the GTN Direct Deposit Indicator from a value of 'Y' to blank when updating the GTN Liability FAU data.

PPCTGTNE has been modified to *not* change the GTN Direct Deposit Indicator value from 'Y' to blank when processing Change Type transactions. Verify that the following transaction is accepted to update the FAU associated with GTN 600. In addition, verify on the Gross-to-Net Table Report PPP0402 that the GTN Direct Deposit Indicator value of 'Y' for GTN 600 has not been set to blank.

```

      1  1  2  2  3  3  4  4  5  5  6  6  7
1---5---0---5---0---5---0---5---0---5---0---5---0
C02      6002 115053

```

CTL Report Listings (RUN004R)

Description

This job provides the requested listings of various reports.

Verification

Verify the following results to confirm that the corrections to the appropriate programs have been made:

Error Report 1901

Currently, PPCTR16 initializes the detail line to spaces starting with the second and subsequent detail lines, causing garbage characters to be embedded between the print data on the first detail line.

PPCTR16 has been modified to initialize the first detail line in section 1000-PROGRAM-INITIALIZATION SECTION. To verify that the garbage characters of (hex '00') have been replaced with spaces (hex '40'), put a copy of the PPP0416 report into a reports PDS and view the file in HEX mode.

Error Report 2072

Currently, PPCTR02 does not display the word 'IGTN' under the column heading 'DISPLAY' on the Gross-to-Net Table Report PPP0402 when the GTN-DISPLAY-IGTN value on the Gross-to-Net Table is blank. That is, the logic in PPCTR02 treats a blank value as 'no'.

PPCTR02 has been modified to display the word 'IGTN' under the column heading 'DISPLAY' on the Gross-to-Net Table Report PPP0402 when the GTN-DISPLAY-IGTN column value is blank. Verify on the Gross-to-Net Table Report PPP0402 that the word 'IGTN' is displayed under the column heading 'DISPLAY' for GTN 005.

Error Report 2095

Currently, PPCTR14 contains logic that displays the stored retirement value of 0.0000 as blank on the PPP0414 report.

PPCTR14 has been modified to display the stored zero retirement rate as .0000 rather than blank on the Benefits Rates Table Report PPP0414. Verify on the PPP0414 report that the retirement rates associated with lines 16, 17, 18, 19, 20, and 21 are displayed as .0000.

RETIREMENT RATES

LINE	DESCRIPTION	RATE	LINE	DESCRIPTION	RATE
01	UCRP NO FICA	3.0000	02	UCRP FICA OV	4.0000

04	UCRP SAFETY	3.0000	05	UCRP-DCP UN	3.0000			
07	UCRP-DCP UE-	2.0000	08	UCRP-DCP SAF	3.0000			
11	UC-TD RATE	6.1300	12	UCRP DCP CAS	7.5000			
14	SS DCP CON %	3.5000	15	REGNTS REDCT	19.0000	16	UCRP CON NOF	.0000
17	UCRP CON W/F	.0000	18	UCRP CON SAF	.0000	19	TIER2 CN NOF	.0000
20	TIER2 CN W/F	.0000	21	TIER2 CN SAF	.0000			

Error Report 2145

Currently, modules PPCTR01, PPCTR33, and PPCTR34 do not contain logic similar to other existing PPCTRnn reporting modules where the CTPI-RETURN-CODE is set to '99' in section 999999-SQL-ERROR to signal that a negative SQL Code has been encountered. In addition, main driver program PPP004 is missing logic that determines whether the value of '99' in the CTPI-RETURN-CODE field is passed via the linkage area when a negative SQL Code is encountered in any of the reporting modules (PPCTRnn). Thus, an erroneous return code of '0' (normal) is displayed at the end of job.

PPCTR01, PPCTR33, and PPCTR34 have been modified to pass a value of '99' in the CTPI-RETURN-CODE field of the linkage area when a negative SQL Code is encountered. In addition, PPP004 has been modified to detect a value of '99' in the CTPI-RETURN-CODE field. If the value is '99', then an Error Flag field is set to '9' by PPP004 so that the process can terminate with a job return code of '9'.

To verify that the modifications made to the logic in PPCTR01, PPCTR33, PPCTR34, and PPP004 are correct, campuses can replicate the test results at UCOP via the following test sequence:

- 1 Compile the modified PPP004
- 2 Bind Plan PPP004
- 3 Compile the modified PPCTR01 (do not bind plan PPP004 so that a negative SQL Code is returned from DB2).
- 4 Execute JCL for PPP004 to request a listing (PPP0401) of the System Parameter Table.
- 5 Verify that the PPP0400 Report displays the following message:

```
***** CONTROL TABLE LISTING PRODUCTION *****
```

```
LISTING FOR TABLE #01, System Parameter Table, WITH OPTION ( ) REQUESTED -  
NEGATIVE DB2 SQL CODE RETURNED
```

- 6 Verify that the job Return Code is '9'.