RELEASE 1354

Error Reports 1740, 1742, 1743, 1744
Title Code Table Error Corrections

Test Plan

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Testing Overview

This test plan addresses the job runs and test cases constructed to verify the correct installation of this release. It is a before and after type test. The first three steps should be run using the previous versions of the modified programs. Then install the modified programs, and run the last three steps.

The test plan is made up of the following components.

1. Title Code Tables Load (LOADTCT)
2. Title Code Update-Before (RUN004A)
3. Title Code Report-Before (RUN004LA)
4. Title Code Tables Reload (LOADTCT2)
5. Title Code Update-After (RUN004B)
Title Code Tables Load (LOADTCT)

**Description**

This job loads the Title Code Tables in 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.
Title Code Update - Before (RUN004A)

Description

This is a "before" run and should execute versions of PPCTR33, PPCTSGTE, PPCTT33 and PPCTT34 as they were prior to this release.

This job attempts to update the Title Code Table with transaction conditions reported in the error reports 1740 and 1743. It also displays the reporting condition reported in error report 1742.

Verification

Error report 1740:
The PPPSGT transaction 3401 attempts to change the Grade End Date. The transaction is rejected for non-numeric data in three salary range fields. This is due to the initialization error reported in Error Report 1740. The blank fields on the change transaction should not trigger an edit at all, and certainly should not trigger an error.

01-379  5-TRAN REJECT SALARY GRADE TABLE: SALARY RANGE MINIMUM MUST BE NUMERIC
01-380  5-TRAN REJECT SALARY GRADE TABLE: SALARY RANGE MIDPOINT MUST BE NUMERIC
01-381  5-TRAN REJECT SALARY GRADE TABLE: SALARY RANGE MAXIMUM MUST BE NUMERIC

Error report 1742:
The PPP00433 report displays Shift Differential rates for some Title Codes.

Look for Title Code 4622. It displays EVENING, another EVENING, NIGHT and another NIGHT Covered Shift Differential Rates for Effective Date 10/01/1999. Use of SPUFI to select the rows for 4622 from the PPPTSR table confirms that the .3700 rates are indeed for Effective Date 10/01/1999. But the .0032 rates are from previous rows with earlier Effective Dates. This is the error reported in error report 1742.

In addition, move down to the Uncovered Shift Differential Rates FOR 4622. Evening and Night rates are shown, correctly. However the header lines still display the third and fourth positions containing the NIGHT, NIGHT from the previous display. This is an initialization error. And it is carried forward for the rest of the report until it is replaced. Eventually the last rate display has EVENING NIGHT WKND DAY WKND EVE WKND DAY WKND DAY even though rates are only displayed for the first two.
Error report 1743:
The PPPTCI transactions 3303, 3304 and 3305 update the Title Code Name for Title Code 8072. They modify the row with the latest Effective Date. The 3304 and 3305 transactions, which are part of the name set, contain blanks. Per Error Report 1743, this results in low values in those portions of the name field updated from the 3304 (positions 61-120) and 3305 (positions 121-150) transactions. There is no manifestation of the error in the edit.

Check the Title Code in the PPP00433 report and confirm that the updated Title Code Name is displayed.

Check the unload and FileAid step which displays the result for Title Code 8072. Confirm that the updated row contains low values, i.e. hex '00', in positions 61-150 of the Title Code Name field, or positions 75 through 164 of the record itself.
Title Code Report - Before (RUN004LA)

Description

This is a "before" run and should execute the version of PPCTR33 as it was prior to this release.

This job attempts to print the PPP0043 Title Code report. It demonstrates the results reported in Error report 1744.

Verification

Error report 1744:

The SQL step deletes the PPPTPC row for Title Code 0840.

The PPP0043 report displays the Title Code 0840 data. When it attempts to read the rates for the next Title Code 0841 the job fails with SQLCODE -502. This is because the cursor was not correctly closed when the fetch for rates for 0840 found no rows.
Title Code Tables Reload (LOADTCT2)

Description

This job reloads the Title Code Tables in 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.
Title Code Update - After (RUN004B)

Description

This is an "after" run and should execute versions of PPCTR33, PPCTSGTE, PPCTT33 and PPCTT34 issued in this release.

This job attempts to update the Title Code Table with transaction conditions reported in the error reports 1740 and 1743. It also displays the reporting condition reported in error report 1742. It demonstrates the fix to all three error reports.

In addition, the printing of the PPP00433 report does not abend on the missing rates for Title Code 0840, as tested previously in RUN004LA.

Verification

Error report 1740:
The PPPSGT transaction 3401 attempts to change the Grade End Date. It is successful this time with no error messages.

The PPP00434 report does not report the updated End Date, but it does display the salary range minimum, midpoint and maximum for the updated Grade. The previous version of PPCTSGTE would have resulted in zeroes in these fields from the blanks on the change transaction.

SPUFI can be used to verify the updated 06/30/2001 End date.

Error report 1742:
The PPP00433 report displays Shift Differential rates for some Title Codes.

Look for Title Code 4622. It now only displays the EVENING and NIGHT Covered Shift Differential Rates for Effective Date 10/01/1999.

Look at Title Code 4668. It displays EVENING, NIGHT and WKND DAY rates. The next Title Code 4671 only displays EVENING and NIGHT. The WKND DAY heading is not carried forward. The heading initialization error has also been corrected.

Error report 1743:
The PPPTCI transactions 3303, 3304 and 3305 update the Title Code Name for Title Code 8072. They modify the row with the latest Effective Date. The 3304 and 3305 transactions, which are part of the name set, contain blanks. This time the "blank" portions of the name field contain spaces rather than low values.
Check the Title Code in the PPP00433 report and confirm that the updated Title Code Name is displayed.

Check the unload and FileAid step which displays the result for Title Code 8072. Confirm that the updated row contains spaces, i.e. hex ’40’, in positions 61-150 of the Title Code Name field, or positions 75 through 164 of the record itself.

**Error report 1744:**

The SQL step deletes the PPPTPC row for Title Code 0840.

The PPP00433 report displays the Title Code 0840 data. Now it does not issue SQLCODE -502, and correctly displays the next Title Code 0841 rates.