Release 1457

Error Report 1831
Medical Premium Contribution Base: Wrong MCB Used in Compute Rate Calculation

Test Plan

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Wrong MCB Used in Compute Rate Calculation
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Overview

Error Report 1831 reported that an error in Medical Benefits Rates module PPBENXHI, used in the first bi-weekly Compute in December 2002, in some cases caused a prior employee’s MCB to be used in rate calculation. The problem was in bypass code that tells PPBENXHI that the current rate request is for the same plan and coverage level as the previous one so the rates currently in memory can be used rather than doing a new lookup. The MCB was not added to the comparison key, so if one employee had, for example, medical plan BC, coverage UA, and an MCB that indicated over 40K and the next one had the same plan and coverage, but an MCB that indicated under 40K, the over 40K rate was incorrectly used for this second employee.

PPBENXHI was modified and re-issued in Release 1453.

The one-time program in this release attempts to identify the error conditions on the bi-weekly 2002-12-07 DB2 PAR, and create appropriate DS and RF transactions to correct the errors.

Note:

- While the original reduction and contribution amounts, medical plan code and coverage level will be obtained from the PAR, the MCB that is used is from the EDB. Updates to MCB’s subsequent to the original Compute could trigger undesired DS and RF transactions.
- The one-time will only correct deductions that were taken. Suspended deductions will not be processed by this one time.
- If any errors have already been corrected locally, transactions for those employees must be removed from the one-time transaction file prior to processing it.
- Care must be taken to correctly code the Run Specification Record in regards to whether or not the January PPP570 job has run.
Load DB2 EDB Database (LOADEDB)

Load the DB2 EDB. Data from the PPPSCR and PPPBEN tables will be used.

Verification

Confirm the job ran to successful completion.

Confirm that the PPP2501 report of test cases was printed. These ID’s are referred to in the discussion of the COMPDEB2 PPP4401 results, and the later one-time results.
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December Compute (COMPDEB2)

This job must run with the pre-Release 1453 PPBENXHI which mishandled the MCB logic. PPP400 must be rebound if PPBENXHI is recompiled.

The PPP4401 report, along with the PPP2501 report, is used to identify error conditions in the results. The Next Year MCB should be used in rate calculation.

Verification

ID 000050024
Has KN, U coverage with both MCB’s at 40. Correct reduction/contribution was taken.

ID 000050025
Has KN, U coverage with both MCB’s at 58. Incorrect lower MCB reduction/contribution was taken.

ID 000050040
Has KN, UC coverage with current MCB at 40, next MCB at 41. Correct reduction/contribution was taken. This test case will appear as an issue in the one-time run after PPP570.

ID 0000500105
Has KN, U coverage with both MCB’s at 228. Correct reduction/contribution was taken.

ID 000050900
Has KN, U coverage with both MCB’s at 32. Incorrect higher MCB reduction/contribution was taken.

ID 111111111
Has KN, UA coverage with both MCB’s at 35. Correct lower reduction/contribution taken due to change in coverage.

ID 333333067
Has CM, U coverage with both MCB’s at 40. Correct reduction/contribution was taken.

ID 333333074
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Has CM, U coverage with both MCB’s at 76. An “incorrect” lower reduction/contribution was in fact taken, but since CM does not differ between the two MCB’s there was no error in the final result. For this reason CM entries will be bypassed by the one-time.

ID 777555006
Has KN, UA coverage with both MCB’s at 139. Correct reduction/contribution was taken.

ID 777555007
Has KN, UA coverage with both MCB’s at 39. Correct reduction/contribution taken. The reason this was correctly handled is because the prior ID has domestic partner coverage and thus the last coverage actually processed by PPBENXHI for TIP and imputed income purposes was for U, not UA (UX). Thus new rate calculation was performed due to the change in coverage processing.

ID 777555008
Has KN, UA coverage with both MCB’s at 142. Incorrect lower MCB reduction/contribution was taken.

ID 777555009
Has KN, UA coverage with both MCB’s at 39. Since due to the error the rate from 777555007 was carried forward, the correct lower MCB reduction/contribution was taken.

ID 777555034
Has FP, UAC coverage with both MCB’s at 002. Correct reduction/contribution was taken.

ID 777555035
Has FP, UAC coverage with both MCB’s at 190. Again, due to the domestic partner processing for 777555034, recalculation of rates occurred and the correct reduction/contribution was taken.
Load DB2 PAR Database (LOADPAR)


The B2 12/07/2002 data should match the output PAR data from job COMPDEB2. As an alternative to this job, PPP465 can be run to load that PAR file into the DB2 PAR.

Verification

Confirm the job ran to successful completion.

Two SPUFI reports are printed.

The first displays all the PPPPEB rows for the B2 12/07/2002 pay cycle. It provides the original medical plan codes and coverage codes used in the Compute.

The second displays some PPPDRC rows for the B2 12/07/2002 pay cycle. Among these rows are the original Compute amounts for medical reductions and contributions. Some of these reflect MCB errors in the B212/07/2002 Compute.
One-Time (RUNOT2)

This job creates the DS/RF transaction file.

**Verification**

Three employees require adjustment due to the error.

**ID 000050025**
In the Compute this was incorrectly processed at the lower MCB level for KN with U coverage. The rates were now calculated for KN, U at the higher MCB level. A DS transaction is created to increase the reduction amount, and a balancing RF transaction is written to decrease the contribution amount.

**ID 0000500900**
In the Compute this was incorrectly processed at the higher MCB level for KN with U coverage. The rates were now calculated for KN, U at the lower MCB level. An RF transaction is created to decrease the reduction amount, and a balancing DS transaction is written to increase the contribution amount.

**ID 777555008**
In the Compute this was incorrectly processed at the lower MCB level for KN with UA coverage. The rates were now calculated for KN, UA at the higher MCB level. A DS transaction is created to increase the reduction amount, and a balancing RF transaction is written to decrease the contribution amount.

Two other ID’s appear due to an update to the MCB.

**ID 000050040**
Has KN, UC coverage with current MCB at 40. At the time of the Compute the Next Year MCB was 41. The correct reduction/contribution was taken in the Compute. But now the MCB 40 is being used, which causes a different rate result and transactions are written.

**ID 000050030**
Again, for example via the EINS screen, the MCB was updated to another value after the start of January. If the update moves the value past the 40K limit, a different rate result can occur, and transactions will be written.
This might actually be the correct result, i.e. the original value was wrong for some other reason, and now the correct adjustment will be made. But, it might not be the right result as well.

The Payroll Offices need to review the results of the one-time carefully before processing the transactions.
January Compute (COMPJAB2)

This job tests if the created DS and RF transactions properly process through a Compute. It reads the transaction file out of job RUNOT2.

This job must run with the correct Release 1453 version of PPBENXHI. PPP400 must be rebound if PPBENXHI is recompiled.

Verification

Verify that all the DS and RF transactions on the DSRFTRN2 file from job RUNOT2 appear in the PPP4401 report as one-time deductions and refunds.