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CHESTER FERGUSON
MABEL LAI
BOB MERRYMAN

Re: Release: 1277
Service Request: None
Error Reports: 1661
Programs: PPBENBRR
Copymembers: None
Include Members: None
DDL Members: None
Bind Members: None
CICS Maps: None
Forms: None
Table Updates: None
Urgency: Urgent

Error Report 1661

During execution of program PPP520, an incorrect load of the Retirement Rates portion of the Benefit Rates Table (BRT) may be possible. This problem dates to Release 1230 (VSAM to DB2 CTL replacement) and concerns the cursor selection method of the PPPBRR table used by module PPBENBRR. The current access routine for the PPPBRR table does not specify a return order during the DB2 fetch selection. Because the PPPBRR table is loaded and utilized on a positional (fixed) index, the cursor must return the Rate entries in the proper BRT Line Number sequence. If the proper return order is not achieved, incorrect retirement assessment rates may result. Unfortunately, the current version of PPBENBRR does not specify a return sequence so therefore, a predictable ordered result may not occur. However, it should be noted that the defined index of the PPPBRR table is also the required functional sequence and (in addition to other DB2 considerations), it is believed that the actual return order is the correct return order for most campus DB2 installations.

Programs

PPBENBRR

Module PPBENBRR has been modified in this release by the addition of an “order by” clause to assure the correct return sequence of PPPBRR rate entries.

Test Plan

The code change to PPBENBRR is minimal and no formal test plan or test data is provided. At UCOP, we could not replicate the problem. That is, we verified on a baseline test that the correct rates were being used based on employee detail examination. We then re-ran the baseline test using the release modified version. The results were the same. We than re-ran both sides of the regression test and displayed the loaded Rate set in PPP520 immediately after the return from PPBENBRR. The displayed
results, KBRR-RETIREMENT-RATE (1) through (12), are correct and correspond directly to the Line Numbers (1 through 12) and associated rates displayed on the BRT Table listing produced by PPP010 (i.e., CTL Table #14).

It is suggested that a similar verification be used locally.

**Installation Instructions**

Installation of this release requires the following steps:

1. Install modified Cobol member PPBENBRR.
2. DB2 pre-compile, compile and link **modified** Batch only program PPBENBRR into the Batch Loadlib.
3. Bind plan for PPP520.
4. Execute and verify the prescribed release verification.
5. Install the modified object into production.

**Timing of Installation**

The installation of this release is urgent. It should be installed prior to the next scheduled Expense Distribution process so as to assure proper BRT retirement assessment rate usage.

Address questions via electronic mail to Jim.Tuohig@ucop.edu or telephone at (510) 987-0741.

Jim Tuohig

cc: Jim Dolgonas  
Jerry Wilcox