February 4, 2000

CHESTER FERGUSON  JOHN MOREHEAD
MABEL LAI  CAROLINE RIDER
BOB MERRYMAN  BARBARA VANDEN BORRE

Re: Release: 1273
Service Request: EFIX
Error Reports: 1656
Programs: None
DB2 Programs: PPP830
CICS Programs: None
Copymembers: None
Include Members: None
DDL Members: None
Bind Members: None
CICS Maps: None
Forms: None
Table Updates: None
Urgency: Not Urgent (See Timing of Installation)

Error Report 1656

PPP830 performs Senior Management and Health Sciences severance pay payout calculation.

PPP830 reads in Employee ID transactions which contain a last day on pay. The System Control Record (SCR) is read to determine when the last severance pay contribution and interest calculation was performed. The last day on pay is compared to the SPP Process Date on the SCR to determine whether further calculation is required. A “month count” is calculated which is used in array processing. The calculation logic did not perform correctly across calendar year boundaries when the employee last day on pay was in a prior year. This was not a Y2K issue. The same abend occurs when processing across any calendar boundary, such as 1998/1999. The miscalculated month count caused array processing to exceed the array boundaries which resulted in an 0C7 abend.

PPP830 has been modified to correctly include year differences in the month count calculation.

Test Plan

To test the condition indicated by Error Report 1656, UCOP performed a before and after test.

Before installing the release version of PPP830, perform the "before" test.

Sr. Management employees were established with entries on the SPP table. The SCR table for January 2000 processing contained an SPP-CYCLE value of 2 and an SPP-PROCESSING-DATE of 2000-01-31. Input
transactions were processed in PPP830. When transactions had a last day on pay in the year 2000 they ran successfully to end-of-job. When a transaction was introduced with a 1999 last day on pay the program failed with an 0C7 abend.

Install the release version of PPP830 and perform the "after" test.

The same EDB and transactions were reused at UCOP. This time the transactions with 1999 dates processed correctly.

**Installation Instructions**

1. Perform the “before” test.
2. DB2 pre-compile, compile and link BATCH program PPP830 into the batch LOADLIB
3. Bind the plan for PPP830.
4. Perform the “after” test and evaluate results.
5. DB2 pre-compile, compile and link BATCH program PPP830 into the production batch LOADLIB.
6. Bind the production plan for PPP830.

**Timing of Installation**

The installation of this release is not urgent. However, attempting to process a 1999 last-day-on-pay transaction when the SPP-PROCESS-DATE contains a year 2000 date can cause an 0C7 abend. To avoid this, this release should be installed as soon as possible.

As usual, campuses are encouraged to install this release in as timely a fashion as possible and in the normal numeric sequence.

If there are any questions, please send electronic mail to Phil.Thompson@ucop.edu, or call at (510) 987-0468.

Phillip Thompson

cc: Jim Dolgonas
    Jerry Wilcox