December 17, 1997

This release corrects two problems associated with the provision of the “generic” Full Accounting Unit (FAU) within the Payroll/Personnel System (PPS). The source modifications provided in this release are applicable only to program versions converted to the “generic” FAU by Release 1138. These source modifications are not applicable to campus installations which have not yet implemented Release 1138.

**Error Report 1518**

This error will cause program PPP410 to abnormally terminate (OC7) and is encountered when the number of account/distribution entries on any single PAR record exceeds 93. (Note that the system defined maximum number of entries is 99). The origin of this problem is an improper length factor associated with a work area used to store account/distributions prior to their PAR issuance by program PPP400. The resulting “move” statement causes a data truncation of PAR information beyond the 93rd account/distribution occurrence.

Program PPP400 has been modified to properly record PAR account/distributions when the number of these entries exceeds 93 (but does not exceed 99).

**Error Report 1519**

A working storage definition DIST-DELETE-QUEUE-AREA used in TSQ processes was not increased properly for the expanded generic FAU. This error causes both PPWHADC and PPWHADF to fail while performing the READQ in section 1143-UPDATE-TSQA.
Also, the ORDER BY for DIST-CURSOR, which is by numeric column position, was not adjusted for the replacement of multiple FAU subunit columns by a single FAU column. This did not cause failure, but affects the order in which the distribution data is ordered on the screen.

**DB2 Programs**

- **PPP400**

  The storage definition, XSAF-ACCT-DATA, has been increased in size to accommodate the Release 1138 defined size of the PAR account/distribution.

**CICS Programs**

- **PPWHADC**

  The FILLER in DIST-DELETE-QUEUE-AREA has been expanded by 7 bytes. The ORDER BY for the DIST-CURSOR has been changed to the correct columns.

- **PPWHADF**

  The FILLER in DIST-DELETE-QUEUE-AREA has been expanded by 7 bytes. The ORDER BY for the DIST-CURSOR has been changed to the correct columns. In addition, while testing, it was discovered that the pre-R1138 definition for DIST-KEY was left in place, and the intended expansion was commented out. This has been corrected.

**Test Plan**

- **Error Report 1518**

  Release modifications associated with this error report may be tested by entering in excess of 93 payment entries for a given employee and running a sample “before” and “after” Payroll Compute process (i.e., the “after” run should use the release modified version of PPP400). On the “before” execution, program PPP410 will terminate abnormally (OC7 or other; data dependent). On the “after” run, PPP410 should complete normally and the PPP440 PAR report should display all pay distributions associated with the test case. (Note that it simplifies testing to select a test employee who does not receive automatic pay during the pay cycle executed; otherwise, these payments may cause in excess of 99 pay distributions to be issued and thereby cause PPP390 to flush activity for that employee).

- **Error Report 1519**

  The TSQ error may be tested by creating two rows on the PPPDST table with matching DIST-KEY. The simplest way is to merely duplicate an existing row and change the SYSTEM-ENTRY-TIME on the latter. Before this correction, both PPWHADC and PPWHADF failed with a “BAD RETURN FROM READQ – 1143” and error code 22 written to PMSG. After making the changes, both programs process successfully.

  The cursor error can be tested by creating rows in which the Pay End Dates (the correct ORDER BY column) and DOS Codes are in reverse sort order. Before this correction, the data will be displayed in descending DOS Code order. After making the changes, the data will be displayed in descending Pay End Date order.

**Installation Instructions**

1. Install, modify, DB2 pre-compile, compile, and link Batch program PPP400 into the Batch Loadlib.
2. Install, modify, DB2 pre-compile, CICS pre-compile, compile and link CICS programs PPWHADC and PPWHADF into the online OLOADLIB.
4. Bind Packages for PPWHADC and PPWHADF.
5. Campuses can replicate the above tests, as well as performing any other desired local tests

**Timing of Installation**

Installation of this release is *urgent* for those campuses that have installed Release 1138. Note that the release version of PPP400 includes Release 1140 changes (date mandated) and it is assumed that all campuses have installed this release.

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

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