February 20, 1998

CHESTER FERGUSON  CAROLINE RIDER
MABEL LAI        JUDY SIMS
BOB MERRYMAN    BARBARA VANDEN BORRE
XUAN MY HO

Re: Release: 1173
Service Request: None
Error Reports: 1533, 1535, 1537
Programs: None
DB2 Programs: PPBIVEDB, PPBIVUTL, PPEC140, PPEC722, PPEC723, PPEC724, PPEC725,
            PPP130 (GFAU only), PPO1173A (new), PPO1173B (new)
CICS Programs: None
Copymembers: None
Include Members: None
DDL Members: None
Bind Members: PPO1173A (new), PPO1173B (new)
CICS Maps: None
Forms: None
Table Updates: None
Urgency: Urgent

General:

Release 1157, Daily Benefits Enrollment Maintenance, has caused errors in updating Benefits information in the EDB. In particular, Dependent Birth dates were incorrectly assigned the wrong century so that, for example, a child born in 1985 would be recorded in the EDB as 2085. The dependent would then be flagged for de-enrollment during periodic maintenance.

Also, for enrollments in Legal Plans, the Legal ECED (Legal Plan Coverage Effective Date - Employee, EDB Element #0457) was not being set. Instead, while Legal PCED (Legal Plan Coverage Effective Date, EDB Element #0355) was correctly updated, the Legal ECED retained its default value of ‘01/01/0001’.

This release addresses these problems. It includes corrections to the DBEM programs, as well as One-Time programs to correct campus data.
Error Report 1533

Error Report 1533 describes an error with the DBEM process handling of Legal enrollment transactions. When a Legal enrollment transaction (transaction type = ‘JD’) is processed, the Legal ECED is not being set. Since the only Legal enrollment transactions that DBEM accepts are add transactions, the Legal ECED should have been set to the value in the Legal PCED. This release resolves this error. The changes to the process involve the addition of logic to six COBOL programs PPBIVEDB, PPEC140, PPEC722, PPEC723, PPEC724, and PPEC725.

Error Report 1535

Error Report 1535 describes an error with the DBEM load program PPBIVUTL. PPBIVUTL loads the PPPBIV table from IVR transactions. It has hard coded date conversion logic to convert MMDDYY format dates to ISO dates. This release replaces this code with the standard XDC3 date functions.

Error Report 1537

Error Report 1537 describes the duplication of a sub-process call in the GFAU ONLY version of the PPP130 program. The duplicate line, in paragraph 8916-CALL-PPBIVRP2, has been commented out.

DB2 Programs

PPBIVEDB

This modified program loads data from the PPPBIV process table to the appropriate current EDB row. The change in this program consists of copying the value for the transaction’s Legal PCED to the Legal ECED on the Benefits table whenever an employee’s Legal Benefits data has changed:

```
MOVE JD-PLAN-EFFDT TO EMP_LEGAL_COVEFFDT OF BEN-ROW
```

PPBIVUTL

This modified program reads transactions from the Benefits Enrollment System and loads all valid transactions into PPPBIV, the temporary processing table for the DBEM process. In its processing it converts 6 character date fields to 10 character date fields, including century. The change corrects the current logic so that the standard XDC3 date routines are used for all date conversion.

PPEC140

This modified program performs edits on the employee’s Benefits enrollments. The change to this program entails resetting the Legal ECED to the original value whenever the edit finds an error.

Specifically, in paragraph 2300-EDIT-MAJOR-PLANS, after finding an error in a ‘JD’ (Legal) transaction, the program resets the current value of Legal ECED to the original value:

```
MOVE SAVE-EMP-LEGAL-COVEFFDT TO EMP-LEGAL-COVEFFDT
```
This modified program performs coverage derivation for Medical plans. Code has been added to prevent setting Medical PCED to SCR date when called from PPP130 during Daily Benefits Enrollment Maintenance.

This modified program performs coverage derivation for Dental plans. Code has been added to prevent setting Dental PCED to SCR date when called from PPP130 during Daily Benefits Enrollment Maintenance.

This modified program performs coverage derivation for Vision plans. Code has been added to prevent setting Vision PCED to SCR date when called from PPP130 during Daily Benefits Enrollment Maintenance.

This modified program performs coverage derivation for Legal plans. Code has been added to prevent setting Legal PCED to SCR date when called from PPP130 during Daily Benefits Enrollment Maintenance.

This new One-Time program finds the Benefit's table rows where Legal Coverage (LEGAL COVR EDB0354) was added with a faulty Legal ECED and copies the value found in the Legal PCED to the Legal ECED.

The employee records that have the faulty value will be identified by as having:
1. a non-space Legal Coverage Code (EDB #0354),
2. a Legal PCED that is not the default DB2 date (01/01/0001), and
3. a Legal ECED that shows a default DB2 date (01/01/0001).

An Employee change file record is written for any changed EDB data element.

This new One-Time program converts dependent birth dates that were incorrectly calculated for the 21st century by PPP130 IVR processing. Any birth dates greater than 1999 will have 100 years subtracted. It is possible that the dependent has already been flagged for de-enrollment due to age calculation in PPP130 monthly periodic maintenance. The age will be recalculated and the de-enrollment flag changed, as appropriate (it is possible that even the correct age could still result in de-enrollment).

Then the coverage code will be re-calculated for the four plan types and compared. If the calculated result differs from the EDB, the EDB will be updated with the new value.

An Employee change file record is written for any changed EDB data element.

This is a One-Time Plan Bind.
**Installation Instructions**

Installation instructions are as follows. Please review these instructions carefully before proceeding with installation. Note especially that the Test Plan requires running the DBEM process unchanged first in order to verify the changes.

1. Install the new Bind members listed in the following table.

<table>
<thead>
<tr>
<th>New Bind Members</th>
<th>Done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPO1173A</td>
<td></td>
</tr>
<tr>
<td>PPO1173B</td>
<td></td>
</tr>
</tbody>
</table>

2. Create the new JCL members listed in the following table.

<table>
<thead>
<tr>
<th>New JCL Members</th>
<th>Done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPO1173A</td>
<td></td>
</tr>
<tr>
<td>PPO1173B</td>
<td></td>
</tr>
</tbody>
</table>

Note on Program Preparation:

**Note:** At UCOP, all COBOL programs pass through the DB2 pre-compiler, whether or not the program contains embedded SQL, to resolve INCLUDE references. Your site may have different requirements.

3. Install, compile, and link the modified programs listed in the following table.

<table>
<thead>
<tr>
<th>Modified Program</th>
<th>DB2?</th>
<th>Compile</th>
<th>Package Bind?</th>
<th>Done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPBIVEDB</td>
<td>YES</td>
<td>BATCH</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>PPBIVUTL</td>
<td>YES</td>
<td>BATCH</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>PPEC140</td>
<td>YES</td>
<td>BATCH</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>PPEC722</td>
<td>YES</td>
<td>DUAL</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>PPEC723</td>
<td>YES</td>
<td>DUAL</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>PPEC724</td>
<td>YES</td>
<td>DUAL</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>PPEC725</td>
<td>YES</td>
<td>DUAL</td>
<td>NO</td>
<td></td>
</tr>
</tbody>
</table>
4. Install, compile, and link the **new one-time** programs listed in the following table.

<table>
<thead>
<tr>
<th>New One-Time Program</th>
<th>DB2?</th>
<th>Compile</th>
<th>Plan Bind?</th>
<th>Done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPO1173A</td>
<td>YES</td>
<td>BATCH</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>PPO1173B</td>
<td>YES</td>
<td>BATCH</td>
<td>YES</td>
<td></td>
</tr>
</tbody>
</table>

5. Install, compile, and link the **modified** GFAU program listed in the following table.

<table>
<thead>
<tr>
<th>Modified Program</th>
<th>DB2?</th>
<th>Compile</th>
<th>Plan Bind?</th>
<th>Done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPP130</td>
<td>YES</td>
<td>BATCH</td>
<td>YES</td>
<td></td>
</tr>
</tbody>
</table>

6. Bind the Plan listed in the following table.

<table>
<thead>
<tr>
<th>Bind Plan</th>
<th>Done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPP130</td>
<td></td>
</tr>
</tbody>
</table>

**Test Plan**

Refer to the separate Test Plan document.

**Timing of Installation**

The installation of this release is urgent! This should be installed and run prior to Periodic Maintenance to start March 1998.

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

If there are any questions, please send electronic mail to Roy.Staples@ucop.edu, or call at (510) 987-0692.

Roy Staples

cc: Jim Dolgonas
    Jerry Wilcox