June 18, 2003

Re: Release: 1497
Reference Release: 0574, 1487
Service Requests: 3609, 14888
Error Reports: 1867
Programs: PPP700
CICS Programs: None
Copymembers: None
Include Members: None
DDL Members: None
Bind Members: PPP700
CICS Maps: None
Forms: None
Table Updates: None
Urgency: Urgent (see Timing of Installation)

This release addresses the following error report:

**Error Report 1867**

Berkeley reported to UCOP that bind member PPP700 is missing module name `PPDDGUTL` in the bind member list, causing a SQL Code value of negative 805 returned from DB2 when PPP700 is run.

At UCOP the problem was replicated, and a SQLCODE value of negative 805 was returned from DB2. However, the return code at the end of job displayed a value of ‘3’, giving the false impression that PPP700 ran successfully.

It has been found that the problem is in section “CALL-PPEDBUPD” of the program. There are two calls to program PPEDBUPD. The first call to PPEDBUPD is missing the logic to check the “Error Switches” values returned from PPEDBUPD. However, the second call to PPEDBUPD does have logic to check the “Error Switches” values returned from PPEDBUPD.

With this release, in addition to including PPDDGUTL to the bind member list of bind member PPP700, program PPP700 has been modified to check the “Error Switches” values returned from PPEDBUPD on the first call to PPEDBUPD.

**Program**

PPP700
Program PPP700 has been modified to check the “Error Switches” values returned from PPEDBUPD on the first call to PPEDBUPD.

In addition, the program-specific views PPPV700A_Per and PPPV700B_PCM have been replaced with the standard whole-table views PPPVZPER_PER and PPPVZPCM_PCM respectively.

**Bind Member**

PPP700

PPDDGUTL has been included in the bind member list.

**Test Plan**

1. Load the CTL database (LOADCTL).
2. Load the EDB database (LOADEDB).
3. Run *unmodified* PPP700 (RUN700A)

   Prior to running unmodified program PPP700, the *unmodified* bind member PPP700 is used to bind the plan for PPP700.

   **Expected results:**

   A return code of ‘3’ is displayed at the end of job. However, a negative SQL Code of 805 is displayed in the SYSOUT of the job.

4. Run *modified* PPP700 (RUN700B)

   Prior to running modified program PPP700, the *unmodified* bind member PPP700 is used to bind the plan for PPP700.

   **Expected results:**

   A return code of ‘8’ is displayed at the end of job. A negative SQL Code of 805 is displayed in the SYSOUT of the job.

**Installation Instructions**

1. Modify and install the following Bind Member:

<table>
<thead>
<tr>
<th>Bind Members</th>
<th>Installed?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPP700</td>
<td></td>
</tr>
</tbody>
</table>

2. 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.

   Note: “DUAL” programs must be compiled twice and linked into batch and online libraries ("LOADLIB" and "OLOADLIB" respectively), and DUAL-ONLINE programs must be compiled once only and linked into the
online library. “CICS” programs must be CICS pre-compiled and compiled once and linked into OLOADLIB. “BATCH” programs must be compiled once and linked into the batch LOADLIB only.

a) Install, compile and link the **modified** program listed in the following table.

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>DB2 Pre-Compile</th>
<th>Compile</th>
<th>Package Bind?</th>
<th>Done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPP700</td>
<td>Yes</td>
<td>Batch</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

3. Bind the following Plan.

<table>
<thead>
<tr>
<th>Bind Plans</th>
<th>Done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPP700</td>
<td></td>
</tr>
</tbody>
</table>

4. Testing

Perform the installation verification as described in the Test Plan above.

Perform any desired additional campus testing.

5. Install bind member PPP700 and program PPP700 into production.

6. Follow local procedures for making the following objects obsolete:

- **Include Members**
  
  PPPV700A  
  PPPV700B

- **DDL Members**
  
  PPPV700A  
  PPPV700B

**Timing of Installation**

The installation of this release is **Urgent**.

It is strongly encouraged that this release be installed into production as soon as possible to prevent the false assumption that PPP700 has run successfully with a return code of less than ‘7’ and a negative DB2 SQL Code is returned from DB2 when making a call to PPEDBUPD.

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 Jackson.Quan@ucop.edu, or call at (510) 987-0464.

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cc: Jerry Wilcox