This release corrects a specific error that occurred while processing a Gross to Net number in the CICS EDB Inquiry Deductions (IGTN) screen. It is possible for the PPPBRG table to contain multiple occurrences of the same GTN number (with the GTN number being made unique with the use of additional existing DB2 keys).

**Error Report 1637:**

The error was due to a COBOL omission that used only the BRG_GTN_NUMBER when accessing the PPPBRG table. This omission resulted in IGTN abnormal termination from DB2 in situations involving non-unique GTN numbers on the PPPBRG table. This release now includes use of additional existing DB2 keys (in addition to GTN) to fully qualify access to the PPPBRG table by program PPWIGTN.
Programs:

PPWIGTN:

The program now accesses the PPPBRG table with a DB2 SELECT using the GTN_NUMBER associated with the GTN_USAGE code as a search key. In addition, the DB2 SELECT now uses Collective Bargaining Unit Code, Representation, Special Handling, and Distribution Unit Code.

Test Plan

1. LOADCTL. Load the test CTL for online testing. (RLSE.UDB2CTL).
   For testing, the GTN, BRG, and BUG tables have already been setup with cases of GTN# 377 to support multiple GTN # 377 (made unique by further BRG key qualifications). Please note that the GTN number 377 is strictly for testing.

   ```sql
   SELECT * FROM PAYDDD.PPPVZ_BRG WHERE BRG_GTN_NUMBER = '377';
   ---------+---------+---------+---------+---------+---------+-------
   BRG_CBUC  BRG_REP  BRG_SHC  BRG_DUC  BRG_GTN_NUMBER  BRG_RATE_AMOUNT
   ---------+---------+---------+---------+---------+---------+-------
   <<                                   377                      1.0000
   CX        C                          377                      1.0000
   NX        C                          377                      1.0000
   SX        C                          377                      1.0000
   TX        C                          377                      1.0000
   DSNE610I NUMBER OF ROWS DISPLAYED IS 5
   ```

   ```sql
   SELECT GTN_NUMBER, GTN_DESCRIPTION, GTN_PRIORITY, GTN_USAGE
   FROM PAYDDD.PPPVZ_GTN
   WHERE GTN_NUMBER = '377';
   ---------+---------+---------+---------+---------+---------+---
   GTN_NUMBER  GTN_DESCRIPTION  GTN_PRIORITY  GTN_USAGE
   ---------+---------+---------+---------+---------+---------+---
   377         TEST377 TTTT     2347          T
   DSNE610I NUMBER OF ROWS DISPLAYED IS 1
   ```

2. LOADEDDB. Load the test EDB for online testing. (RLSE.UDB2EDB).
   Employee 000050025 (Blacksheep) is setup with several GTN Numbers, to include a case of GTN number 377 to verify that screen IGTN no longer abends.

3. Execute the new CICS (IGTN) program PPWIGTN (000050025 Blacksheep).
   Notice that the IGTN screen is now able to properly process GTN number 377 without abending because the logic now fully qualifies the DB2 SELECT.

If it is desired to conduct before/after testing:
Execute Test Plan Steps # 1 and # 2 to load the CTL and EDB.
Use the ‘old’ IGTN program PPWIGTN with employee 000050025 and attempt to observe GTN # 377.
Notice that IGTN abends due to GTN number 377 not being fully qualified in the select of PPPBRG.
Then, continue to install the new PPWIGTN as shown below, and continue with Test Plan step #3.
**Installation Procedure:**

1. DB2 pre-compile, compile, and link modified program PPWIGTN into the online OLOADLIB.
2. Bind the package PPWIGTN.
3. Execute the test plan.
4. Perform any additional local testing.
5. Move the modified PPWIGTN into production.

**Timing of Installation:**

Installation of this release is urgent with the installation of Release 1247, to prevent abnormal termination of the on-line inquiry system.

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

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