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Re: Release: 1235
Service Request: None
Error Reports: 1619
Programs: None
DB2 Programs: None
CICS Programs: PPRADVC, PPORAUDT, PPRCADVC, PPRCAUDT, PPRCMDL2, PPRCVEND
Copymembers: None
Include Members: None
DDL Members: None
Bind Members: None
CICS Maps: None
Forms: None
Table Updates: System Messages Table
Urgency: Not Urgent

Error Report 1619

This error report identifies an intermittent problem related to the printing of reports from the on-line rush checks facility. Specifically, it was observed that message P0521 is occasionally issued during the processing of a rush check item and that whenever this message is issued not all of the accompanying reports are printed.

Analysis of the problem yielded the following information:

• The three report modules listed below are called in the listed sequence during the update process for a given rush check item.
  
  PPRCAUDT
  PPRCADVC
  PPRCVEND

• These report modules are called only after the successful update of abeyance tables with any necessary rush check transactions.
Each report module performs the following functions:

1. Generate a temporary storage queue identifier using the terminal identifier and a timestamp.
2. Determine whether any items are already stored in temporary storage for the generated queue identifier.
3. Write the necessary print lines to temporary storage.
4. Call UCPRTMGR to read temporary storage and print the report.

Whenever one of these modules finds that the generated temporary storage queue identifier is already in use it issues message P0521 and processing for the given rush check item is halted. Any reports which have not been produced at that point will not be produced.

This release corrects the situation by changing the reaction to the duplicate queue identifier condition. Instead of stopping processing for the current item, programs will be modified such that a duplicate queue identifier will be modified to be unique and processing will continue. The message P0521 will be eliminated and all programs which employ the original logic will be modified to incorporate the new logic. This includes several programs for which the problem was not reported.

**CICS Programs**

**PPRCADVC**

This program is called by modules PPRCOPT1 and PPRCOPT3, which are in turn called by the rush check update processor, PPAPORUP. PPRCADVC contains a paragraph 8100-READ-TSQ in which the newly developed queue identifier is tested. As of this release the branch of the IF statement which is executed when the queue identifier is already in use will simply add one (1) to the timestamp portion of the queue identifier, ensuring that it carries a unique value.

**PPRCAUDT**

This program is called by modules PPRCOPT1 and PPRCOPT3, which are in turn called by the rush check update processor, PPAPORUP. PPRCAUDT contains a paragraph 8100-READ-TSQ in which the newly developed queue identifier is tested. As of this release the branch of the IF statement which is executed when the queue identifier is already in use will simply add one (1) to the timestamp portion of the queue identifier, ensuring that it carries a unique value.

**PPRCVEND**

This program is called by modules PPRCOPT1 and PPRCOPT3, which are in turn called by the rush check update processor, PPAPORUP. PPRCVEND contains a paragraph 8100-READ-TSQ in which the newly developed queue identifier is tested. As of this release the branch of the IF statement which is executed when the queue identifier is already in use will simply add one (1) to the timestamp portion of the queue identifier, ensuring that it carries a unique value.
PPRCMDL2

This program is called by module PPAPORUP. PPRCMDL2 contains a paragraph 8100-READ-TSQ in which the newly developed queue identifier is tested. As of this release the branch of the IF statement which is executed when the queue identifier is already in use will simply add one (1) to the timestamp portion of the queue identifier, ensuring that it carries a unique value.

PPORADVC

This program is called by modules PPORCNCL, PPOROVPY and PPORRVSL, which are in turn called by the rush check update processor, PPAPORUP. PPORADVC contains a paragraph 8100-READ-TSQ in which the newly developed queue identifier is tested. As of this release the branch of the IF statement which is executed when the queue identifier is already in use will simply add one (1) to the timestamp portion of the queue identifier, ensuring that it carries a unique value.

PPORAUDT

This program is called by modules PPORCNCL, PPOROVPY and PPORRVSL, which are in turn called by the rush check update processor, PPAPORUP. PPORAUDT contains a paragraph 8100-READ-TSQ in which the newly developed queue identifier is tested. As of this release the branch of the IF statement which is executed when the queue identifier is already in use will simply add one (1) to the timestamp portion of the queue identifier, ensuring that it carries a unique value.

Table Updates

System Message Table

Message P0521 is made obsolete with this release. A transaction to delete it from the System Message Table is provided.

Test Plan

The modified versions of the listed programs were installed in test at UCOP and numerous Cancellation, Overpayment, Handdrawn Check and Rush Check items were processed with the result that all expected reports were printed in the correct sequence and number. Campuses are encouraged to repeat this testing in a non-production CICS region.
Installation Instructions

The following steps should be followed in installing this release:

1. Install the programs listed below. All of these programs are CICS-only programs with imbedded SQL statements, requiring a CICS pre-compile, a DB2 pre-compile, COBOL compile into the OLOADLIB, link/editing and a package bind. A CICS "newcopy" will be needed if the programs are compiled for production while the production CICS region is operational.

   PPORADVVC
   PPORAUDT
   PPRCADVC
   PPRAUDT
   PPRCMDL2
   PPRCVEND

2. Run program PPP010 to apply the message table update transaction to delete message P0521.

3. Run program PP0851 to re-built the DB2 version of the System Message Table.

Note: If steps 2 and 3 are performed while the production CICS region is operational the new version of the Message Table will not be available until program PPEULOAD is next invoked.

Timing of Installation

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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