Error Report 1803

Error Report 1803 reported an issue with a “failed” update of a Work Study Code on a distribution. No message was issued, but the update did not take place.

PPEC054 is called by USER08, and issues message 08-064 when a distribution Work Study Code is added for an employee with a Student Status Code of 1, 2 or 5. Student Status Codes 6 and 7, added at the same time as 5 in Release 964, are not referenced, and therefore do not trigger a message.

PPEI052 is called by USER12. If Student Status is not 3 or 4, and there is a non-blank Work Study Code, spaces are moved to the Work Study Code. Thus, a Work Study Code update is rolled back for employees with Student Status Codes 1, 2 and 5, but also 6 and 7, which is inconsistent with the warning out of PPEC054.

Discussion with staff in the UCOP Student Financial Services Office determined that PPEI052 should be modified to allow Work Study Codes for employees with Student Status Codes 6 or 7.

During investigation of this issue, incorrect data element triggers and an inconsistent routine trigger definition for PPEI052 on the PGT were discovered. An Implied Maintenance trigger for PPEI052 has been added to all distribution Work Study Code data elements, and removed from distribution FTE and DOS Code data elements. Additionally, the trigger type for PPEI052 on the PGT has been changed from “C 052” to “I 052”.

GRACE CHIU  MABEL LAI
HAI DOAN  JOHN MOREHEAD
CHESTER FERGUSON  BARBARA VANDEN BORRE

Re: Release: 1421
Service Request: None
Error Reports: 1803
Programs: PPEI052
CICS Programs: None
Copymembers: None
Include Members: None
DDL Members: None
Bind Members: None
CICS Maps: None
Forms: None
Table Updates: Data Element Table, Processing Group Table
Urgency: Not Urgent (See Timing of Installation)
Programs

PPEI052
PPEI052 has been modified to allow Work Study Code updates for employees with Student Status Codes 3, 4, 6 or 7.

Table Updates

Data Element Table (PPPDET)
An Implied Maintenance trigger for PPEI052 has been added to all distribution Work Study Code data elements, and removed from distribution FTE and DOS Code data elements.

Processing Group Table (PPPPGT)
The trigger type and routine for PPEI052 on the PGT has been changed from “C 052” to “I 052”.

Test Plan

A “before, middle and after” test was performed at UCOP. It was performed for both online and batch. For batch testing, both distribution transactions and X1 transactions were used. Given the trigger issues, the test should be performed updating only the Work Study Code itself in order to prove that PPEI052 is being correctly triggered by updates of the Work Study Code. In batch, the ADC Code will also be required.

1. Employees with Student Status Codes of 6 and 7 were identified.
2. Using the previous Base version of PPEI052 and the existing Data Element Table and Processing Group Table, an attempt was made to update distribution Work Study Codes for the test cases. No other updates were included except for the necessary ADC Code in batch. No message was issued, and the Work Study Codes were successfully updated. PPEI052 was not triggered, as evidenced in the module name displays out of PPP120 processing.
3. The Data Element Table and Processing Group Table updates were performed, and the tests rerun. This time PPEI052 was triggered, no relevant messages were issued, but the updates did not occur. PPEI052 rolled back the updates by moving spaces into the Work Study Codes.
4. The release version of PPEI052 was then installed and the same test was run. PPEI052 was triggered. The attempted updates were accepted.

Installation Instructions

1. Install the modified COBOL source for program PPEI052.
2. DB2 pre-compile, compile and link dual program PPEI052 into the batch and online loadlibs.
3. PPEI052 does not require a bind. Drop the existing packages for PPEI052.
4. Follow local procedures to make Bind member PPEI052 obsolete.
5. Run PPP004 to update the following DB2 CTL tables.
   • Data Element Table (PPPDET): Use the transactions in CARDLIB (DETPROD); or key from the provided UPAY553 facsimile.
6. Run PPP010 to update the following VSAM tables.
   • Processing Group Table: Use the transactions in CARDLIB (PGTPROD); or key from the provided UPAY803 facsimile.
7. Run PPP851 to update the following DB2 tables from the VSAM CTL.
   • Processing Group Table (PPPPGT). Table 36.

Timing of Installation

The installation of this release is Not Urgent. Until it is installed it will be impossible to set up student employees with a Student Status of 6 or 7 for Work Study Plans.
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 Phil.Thompson@ucop.edu, or call at (510) 987-0468.

Phillip Thompson

cc: Jim Dolgonas
    Jerry Wilcox