Re: Release: 988
Service Request: 12533
Error Reports: None
Programs: None
DB2 Programs: PPEMPSTA,PPEM003,PPEM105,PPP020,PPP130,USER08,USER12
CICS Programs: None
Copymembers: CPPDXDC3,CPPDXDTS,CPWSXDC3,CPWSXDTS,CPWSXIDC
Include Members: None
DDL Members: None
Bind Members: None
CICS Maps: None
Forms: UPAY630
Table Updates: Data Element Table, Processing Group Table,
Routine Definition Table, System Messages Table
Urgency: Not Urgent

**Service Request 12533**

Service request 12533 requested a process for daily derivation of Employment Status on the EDB.

Employment Status for each individual employee is displayed in the header of every EDB Online Inquiry screen, but is not always accurate as of the current day. EDB Maintenance previously evaluated and updated Employment Status at two points: when any explicit maintenance was performed on an employee record, and in the monthly Periodic maintenance process. The Employment Status derivation process was based on dates derived from the System Control Record (SCR) dates. Basing derivation on month begin or end dates meant that changes in Employment Status that occurred during the month were not accurately displayed for all days of the month.

SR 12533 requested that the PPS determine and display employment status as of the current day, whether or not any explicit activity has been posted. Conversely, during File Maintenance, only explicit changes to Employment Status related data elements should trigger the derivation process.
**DB2 Programs**

**PPEMPSTA**

This program derives Employment Status based on several EDB data values: Most Recent Hire Date, Separation Date, Leave of Absence Begin Date, Leave of Absence Return Date, Appointment Begin Date and Appointment End Date. All will now be compared to a "current" date to determine if a change in Employment Status is indicated. This "current" date is today's date during online and batch EDB File Maintenance. During PPP130 Special Daily Processing, the "current" date can be either today's or tomorrow's date, depending on the time the job is run.

**PPEM003**

This program purges Appointments and Distributions. After doing so, it previously called PPEMPSTA directly to derive Employment Status. That direct call to PPEMPSTA has been deleted. This means that Employment Status is no longer derived during Periodic Maintenance.

**PPEM105**

This program is executed unconditionally during Periodic Maintenance. Code has been added to initialize Leave of Absence dates when the Leave of Absence Return Date is before the end of the prior month. This replicates code removed from PPEMPSTA and preserves the Leave of Absence dates for the Compute process.

**PPP020**

This program updates the System Control Record for several Payroll processes. It determines if a valid Special Process has been requested via the Special Process Indicator. It has been changed to accept the new Special Process Indicator "4" for the Special Daily Process. PPP020 must be run with the appropriate Special Process Indicator prior to running the PPP130 Special Daily Process.

**PPP130**

PPP130 performs EDB Periodic maintenance. In Release 964 it was updated to also run several Student FICA related Special Processes. It has been changed to add the Special Daily Process. Initially, the Special Daily Process will only perform Employment Status derivation by executing PPEMPSTA.

CPPDXDTS copy code included in PPP130 reads the System Control Record to obtain the last Daily Run Date. It also obtains the current system date and time. It establishes a "current" date from today's date.

Based on a cutoff hour value (stored in copymember CPWSXIDC) and the current system time, PPP130 can adjust the "current" date as either today's or tomorrow's date. A "current" date, adjusted or not, serves as the new Daily Run Date. A date range is established from the last Daily Run Date through the new Daily Run Date. The Employment Status will be derived for any employee that has a Most Recent Hire Date, Separation Date, Leave of Absence Begin Date, Leave of Absence Return Date, Appointment Begin Date or Appointment End Date within the established date range. The derivation will be performed by PPEMPSTA.

PPP130 date functions were changed to use the CPWSXDC3 and CPPDXDC3 copymember data fields and routines in order to be consistent with changes to CPPDXDTS.
USER08

USER08 is the main driver for both batch and online EDB edits.

USER08 date functions were changed to use the CPWSXDC3 and CPPDXDC3 copymember data fields and routines in order to be consistent with changes to CPPDXDTS.

USER12

USER12 is the main driver for both batch and online EDB update.

USER12 date functions were changed to use the CPWSXDC3 and CPPDXDC3 copymember data fields and routines in order to be consistent with changes to CPPDXDTS.

Copymembers

CPPDXDC3

This copy procedure code performs various date conversions. A new routine has been added to perform LE/370 date function CEELOCT to obtain the current date and time.

New code has also been added to use LE/370 features to manipulate the century window and establish the last day of a month. This code is in anticipation of future changes to date handling in the PPS.

CPPDXDTS

This copy procedure code calculates several standard Payroll processing dates (e.g. Last Day of the Month). It has been converted to use the CPWSXDC3 and CPPDXDC3 data fields and routines. Code has been added to store the previous Daily Run Date and create a "current" date from the system date and time.

CPWSXDC3

This copymember defines the working storage fields used by CPPDXDC3. A working storage definition has been added for the Lilian Timestamp and Gregorian Date used by LE/370 date function CEELOCT.

Additional changes were made to support the century window and end of the month features added to CPPDXDC3.

CPWSXDTS

This copymember defines the working storage fields used by the procedure code in CPPDXDTS. It is copied into many EDB Maintenance programs as EXTERNAL. Two new Special Daily Process dates reflecting the Daily Run Date and range have been added. All programs using this copymember as EXTERNAL must be recompiled.

CPWSXIDC

This copymember defines the working storage fields for several payroll constants. A new code has been added which defines the Special Daily Process Cutoff Hour. Any Special Daily Process run before this hour will use the current system date as the Daily Run Date. Any Special Daily Process run at or after this hour will use the next day's date as the Daily Run Date. This Daily Run Date is used in the Employment Status derivation in PPEMPSTA.
Note: CPWSXIDC is a campus-specific copymember, currently reflecting values and decisions made by your campus. **Do not overlay your local campus values with the release.** Instead install the release changes into your local version and verify that the provided values for new fields are appropriate for your campus, modifying them if necessary.

**Forms**

**UPAY630**

The new Daily Process value “4” has been added to the description of the Special Process Indicator.

**Table Updates**

**Data Element Table.**

New triggers have been added to several data elements to trigger the PPEMPSTA routine which derives Employment Status. Changes to Most Recent Hire Date, Separation Date, LOA Begin Date, LOA Return Date, LOA Status Indicator, Appointment Begin Date or Appointment End Date will trigger PPEMPSTA and Employment Status derivation during EDB File Maintenance.

**Processing Group Table**

Program ID 12 Processing Group 002 has been added to execute PPEMPSTA during EDB File Maintenance, based on the above triggers.

Program ID 13 Processing Group 104 has been added for the Special Daily Process. Initially it only contains routine PPEMPSTA.

**Routine Definition Table**

PPEMPSTA has been added as a routine which can be triggered by a Processing Group and Data Element triggers.

**System Messages Table**

A message has been added to warn when the calculated Daily Process Run Date in PPP130 has not changed. No Employment Status derivation changes will occur.

**Test Plan**

A separate test plan is included with the release. Campuses are encouraged to use the base system test materials, as well as augmenting them with any desired local tests.

**Installation Instructions**

Separate Installation Instructions have been provided with the release.
Timing of Installation

Error Report 1257 reported that the number of Base data element triggers was approaching a maximum defined in several modules and copymembers. In fact, local additional triggers had already exceeded the maximum at UC San Francisco, resulting in an EDB File Maintenance abend. Releases 974 and 978 increased the maximum allowed within the Base system. During early testing of this release it was determined that the additional triggers added by this release were sufficient to cause an abend in the pre-974 Base system. Releases 974 and 978 must be installed prior to this release unless local changes have significantly reduced the number of data element triggers.

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 Phil.Thompson@ucop.edu, or call at (510) 987-0468.

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