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SANTA BARBARA • SANTA CRUZ

OFFICE OF THE SENIOR VICE PRESIDENT —
BUSINESS AND FINANCE

OFFICE OF THE PRESIDENT
1111 Franklin Street
Oakland, California 94607-5200

November 20, 1998

CHESTER FERGUSON
MABEL LAI
BOB MERRYMAN
XUAN MY HO

CAROLINE RIDER
JUDY SIMS
BARBARA VANDEN BORRE

Re:	Release:	1218
	Reference Release	1025
	Service Request:	12852
	Error Reports	1544, 1589
	Reference Release:	1025
	Programs:	PPGRSAUP
	DB2 Programs:	PPP020, PPP130, PPP300, PPP390, PPP620, PPP680, PPP711, PPP910, PPPBELI, PPFICRET, PPEM109, PPEM117
	CICS Programs:	None
	Copymembers:	None
	Include Members:	None
	DDL Members:	None
	Bind Members:	None
	CICS Maps:	None
	Forms:	None
	Table Updates:	System Messages Table
	Urgency:	Not Urgent

This release addresses the following Error Reports:

Error Report 1544

Error Report 1544 reported a problem in program PPP910 with the date conversion logic, which determines the Distribution End Date from the Transaction Effective Date. The day value from the Transaction Effective Date is subtracted by 1. If the calculated day is equal to zero, the month value from the Transaction Effective Date is subtracted by 1. If the calculated month is not equal to zero, the last day associated with the calculated month is taken from a hard-coded table containing the maximum day for each appropriate month. However, the hard-coded table containing the last day for month 2, February, is always equal to 29, regardless of whether or not the year is a leap year.

The hard-coded table should be deleted and replaced with the standard date conversion logic currently in copymember CPPDXDC3.

Error Report 1589

Error Report 1589 states that a problem occurs in program PPFICRET. For example, the problem occurs when an employee's Appointment End Date is 02/29/2000. PPFICRET subtracts one from the year 2000 a leap year, and returns a result of year 1999. However, the year 1999 is not a leap year, and the last day of February should be 28. Without verifying that the date 02/29/1999 is

valid, the appropriate Date Conversion routine is performed to convert 02/29/1999 to a lillian date. Since the date 02/29/1999 is not valid, the Date Conversion routine returned a zero lillian date.

Since the leap year cannot occur two years in a row, logic should be added to edit the month for a value of 2 and the day for a value of 29. If both conditions are true, the day should be set to a value of 28. This logic should be added after the current logic that subtracts 1 from the year.

Programs and DB2 Programs

Basically, the following is a summary of changes made to the Non-DB2 program and DB2 programs listed on page 1 of this release letter:

- Currently, the date is moved to a working storage date field, and an appropriate number of months, days, or years are either added or subtracted from the working storage date field. The appropriate Date Conversion routine is performed to verify that the day in the calculated date is within the range of the particular month. If the date flag returned from the Date Conversion routine indicates that it is invalid, it is presumed that the number of days in the working storage date field is out of range for the particular month. Thus, the appropriate Date Conversion routine is performed to get the last day of the particular month. The last day returned from the Date Conversion routine is moved to the day in the working storage date field. These changes allow for the correct comparison of dates for the 'Greater than' or 'Less than' conditions.
- The hard-coded table containing maximum days for each appropriate month in working storage has been deleted. The logic that references the hard-coded table has been replaced with a call to the appropriate Date Conversion routine in copymember CPPDXDC3.

Tables

System Messages Table

The severity levels associated with messages issued by program PPP620 have been converted to the enhanced severity levels.

Transactions to update this table for both **Test** and **Production** are made available as PAYDIST.R1218.CARDLIB member MSGPROD.

Test Plan

A complete test plan is provided with this release. Campuses are encouraged to use the base system test materials, as well as performing any other desired local tests.

Installation Instructions

Installation instructions are included with this release as a separate document. Campuses are encouraged to read through the entire set of installation instructions prior to beginning installation of the release.

Timing of Installation

This release is not urgent.

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

Chester Ferguson, et al
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If there are any questions, please send electronic mail to Jackson.Quan@ucop.edu, or call at (510) 987-0464.

Jackson Quan

cc: Jim Dolgonas
Jerry Wilcox