This release addresses the following Service Request and Error Reports:

**Service Request 12852**

Service Request 12852 asks that modifications be made to the Payroll/Personnel System (PPS) to allow correct processing of dates falling between the 20th century and the 21st century.

Due to the large number of programs in PPS needing date conversion modifications, it was decided that the modifications to the programs should be made in phases. Phase I of the Date Conversion project was released to the campuses on October 13, 1995 as Release 1025. This release completes Phase II of the Date Conversion project. Refer to the Detailed Design document for specific program changes.

An addendum to Service Request 12852 requests that additional edits related to an employee’s age be added to the EDB File Maintenance Process. The age edits are:

- The employee’s calculated age as of the Hire Date (EDB 0113) should not be less than 14. An appropriate message should be issued with a severity level of ‘7’ (Employee Reject).

- The employee’s calculated age as of January 1 (EDB 0254) should be in the expected range of 16 through 79. If the employee’s calculated age is outside of this range, an appropriate message should be issued with a severity level of ‘3’ (Warning).
• The year in the employee’s Date of Birth (EDB 0107) should not be in the current year. If the year in the Date of Birth is the same as the current year, an appropriate message should be issued with a severity level of ‘7’ (Employee Reject).

**Error Report 1092**

Error Report 1092 states that the severity levels for messages 53-004 (OPER - INVALID OLD FINANCIAL REVERSAL FILE (SEE SYSTEM = CORRECT), 53-013 (CBUC TABLE SIZE EXCEEDED, RECOMPILE), and 53-014 (MEMO PERQ DOS TBL OVERFLOW, RECOMPILE) are set improperly in the System Messages Table.

The severity levels for the above messages should all be set to a severity level 5 (See Systems) for messages 53-004, 53-013, and 53-014 in the System Messages Table.

**Error Report 1159**

Error Reports 1159 states that Santa Cruz reached the maximum number (50) of entries loaded in the internal ATN Table while processing data for an employee with a large number of distributions in program PPP742.

The value on the OCCURS clause should be increased on the internal ATN Table, as well as the value on the field PPPATN-TABLE-MAX in the Working Storage section.

**Error Report 1199**

Error Report 1199 states that existing reports PPRCABEY4 and PPRCABEY5 contain page overflow problems. The line counter is not properly incremented to take into account the number of lines printed prior to each transaction set.

The page overflow problem can be solved by adding a value of 7 to the number of lines of an individual transaction set.

**Error Report 1241**

Error Report 1241 states that the literal in the VALUE clause of the Working Storage section for messages 39-215 and 39-216 are both coded with the value ‘39215’ in module PPLVHRS.

The value ‘39216’ should be coded for message 39-216.

**Error Report 1249**

Error Report 1249 states that Release 930 created a new report “Hours Adjustment Prior To Last Twelve Months” with report number of PPP3906 produced by PPP390. Actually, report PPP3906 is produced by PPGRSRP6. This report number duplicates an existing report produced for PPP390 by module PPLVHRS, where PPP3906 is the report for “Leave Accrual Exceptions”.

A new Report Number should be assigned to the report for “Hours Adjustment Prior To Last Twelve Months” in module PPGRSRP6.

**Error Report 1250**

Error Report 1250 states that program UC0PNP, which unloads DB2 PAN records to a sequential file, does not properly write records containing blank lines from the DB2 UC0PNT Table. The records on the sequential file contain PAN text from a previous record on the file. The calculations of the record length for records from the UC0PNT Table are improperly calculated.
Currently, the PAN texts on the UC0PNT Table are defined as variable lengths. Each calculation of the record length should include the actual record length of the PAN text, the length of the key fields, and two bytes for the system control.

**Error Report 1253**

Error Report 1253 states that module PPEDTPDR issues the wrong message (36-354, HOURS PRESENT WITHOUT ELEMENT NUMBER) on an input transaction containing a non-zero amount but with no associated GTN element number.

The proper message issued should be 36-375 (AMOUNT PRESENT WITHOUT ELEMENT NUMBER).

**Error Report 1407**

Error Report 1407 states that with the installation of Release 1057, program PPP340 attempts to read from the System Calendar Table the month following the Pay Cycle’s Check Date into the internal Calendar array from the System Calendar Table. If the month following the Pay Cycle’s Check Date is not present in the System Calendar Table, message 34-042 (SYSTEM CALENDAR ERROR - CALENDAR CCYYMM NOT FOUND) is issued and the program terminates. This problem causes Riverside to load an extra month of data on the System Calendar Table.

Analysis of the problem indicates that the initial value of the subscript prior to the loading of the internal Calendar Array contains zero. Thus, the first occurrence of the internal Calendar Array started in occurrence zero through 13. In addition, when message 34-042 is issued, there is no second line explaining which CCYYMM was not found on the System Calendar Table.

The initial value of the subscript prior to loading the internal Calendar Array should be set to ’1’. In addition, if message 34-042 is issued, a second line on the error report should be printed explaining which CCYYMM is not found.

**Error Report 1410**

Error Report 1410 states that Release 1062 included modifications to PPP410 which increased the print size of field P71-DOLLARS and the redefining area of P71-DOLLARS-GRP. The fields are in 01 level P71-LINES which is a redefinition of PRINT-LINE. After increasing the print size in field P71-DOLLARS, no adjustments were made to any filler in P71-LINE, which resulted in having 134 print positions in PRINT-LINE.

Currently, there are three separate filler fields (PIC X(1), PIC X(13), PIC X(27)) in P71-LINE. The first of three fillers should be commented out and the next two should be combined to equal X(40).

**Error Report 1420**

Error Report 1420 states that the receiving field WS-ADJ_AMT on the SELECT statement for table PPPDAT in module PPWIADJ is not large enough to receive an amount greater than 99,999.99 from the DB2 table PPPDAT. Thus, PPWIADJ abends with an SQL error when an amount stored on the PPPDAT Table is greater than 99,999.99.

The size of field WS-ADJ-AMT should be increased to PIC S9(07)V99, which is the maximum size of the field defined on the DB2 PPPDAT Table.

In addition, when the cursor is placed in the first position of the dollar amount field on the IADJ screen and PF 1 is pressed, the field help text for the dollar amount (PAR2910) field does not display the correct help text. The proper field help text from data element PAR2910 should be anchored to the dollar amount field.
Error Report 1426

Error Report 1426 states that three error message numbers defined in the Working Storage section are not referenced by program PPP712.

Error messages 71-226, 71-227, and 71-228 should be removed from the Working Storage section.

Error Report 1429

Error Report 1429 states that program PPP250 truncates a non-zero value in the first byte of a displayed data value. The problem was encountered during testing when the employee’s age as of January 1 (EDB 0254) is greater than 99. PPP250 calculates the Start and Stop positions of each data element for display on the report. When entering the PERFORM VARYING statement for the first time, +1 is added to the original Start position. However, if the first byte of the data value is non-zero, the first byte of the data value is not displayed.

If the original calculated Start position value is greater than zero and the first byte of the data value contains a non-zero value, the Start position value should be subtracted by 1, before entering the PERFORM VARYING statement.

Programs, DB2 Programs, and CICS Programs

Due to the number of source objects issued, the usual description of individual objects has been omitted from this release letter. However, all modified objects are completely listed on Attachment 1 of this release letter.

The following is a summary of basic changes made to the appropriate programs:

- Each appropriate date compare in the programs has been modified to include the century value in the date compare. These changes allow for the correct comparing of dates for ‘Greater than’ or ‘Less than’ conditions.

- Each appropriate date calculation in the programs has been modified to include the century value in the date calculation. These changes allow for the correct year result when subtracting 1 from the year 2000.

- Currently, the standard date conversion routines in existing copymember CPPDXDC2 contain a hard-coded century value ‘19’ when converting from a standard date in the format of YYMMDD to an ISO Date (CCYY-MM-DD) format, or from a standard date to an USA Date (MM/DD/CCYY) format.

  Existing copymembers CPWSXDC2 and CPPDXDC2 have been replaced with copymembers CPWSXDC3 and CPPDXDC3 respectively.

- CICS programs UCAPIDKS and UCWIDAS have been modified to set the LE/370 year window to 99 prior to calling the appropriate LE/370 date routine to return a century value for the input birthdate. The LE/370 date routine is called to reset the LE/370 year window to the default year window of 80.

- Batch programs PPP080 and PPP120 have been modified to set the LE/370 year window to 99 for input data elements 0107 or 0634 (Employee Birthdate or Dependent Birthdate), similar to the existing logic in module PPPVREDO. The LE/370 year window is reset to the default year window of 80 upon return from the LE/370 Date routines.

Copymembers

- The appropriate century field has been included in the date structures of each of the modified copymembers. (See Attachment 1 of this release letter for a complete list of modified copymembers)
Bind Members

See Attachment 1 of this release letter for a complete list of modified bind members.

- Bind member PPP530 has been created for program PPP530.

  Program PPP530 does not contain SQL statements. However, PPP530 calls DB2 utility PPWSPUT2 which contains SQL statements.

- Due to the modifications in program PPP290 from VSAM Control Table access to DB2 Control Table access, DB2 utility modules PPPRMUT2, PPBUUT2, PPMSSG2, PPXBUUTL, and PPCTTUTL have been added to the bind member list.

- Due to the complete rewrite of utility modules PPLATUTL and PPLRTUTL from VSAM Control Table access to DB2 Control Table access, PPLATUTL and PPLRTUTL have been added to the member lists in PPP010, PPP390, and PPP520.

- Due to the conversion from VSAM Control Table access to DB2 Control Table access, a bind member is created for PPP713.

Table Updates

System Messages Table

- Due to converting programs PPP290 and PPP713 from VSAM Control Table access to DB2 Control Table access, old message severity levels have been replaced with equivalent new messages severity levels.

- The severity levels of ‘4’ (Fatal), ‘3’ (Serious), and ‘4’ (Fatal) on Messages 53-004, 53-013, and 53-014 respectively have been upgraded to a severity level ‘5’ (See Systems). In addition, severity levels of ‘3’ and ‘3’ on Messages 74-103 and 74-203 respectively have been upgraded to a severity level ‘5’ (See Systems).

- Appropriate messages were added to the System Messages Table for existing programs PPEC112, PPEI125, and PPP530.

- Messages 08-098, 71-227, 71-228, 71-308, 71-316, and 71-324 were removed from the System Messages Table.

The update transactions in PAYDIST.R1087.CARDLIB(MSGPROD), and the completed facsimile form UPAY554 sent with this release, are supplied for both Test and Production.

Processing Group Table

- Module PPEC112 was added to the Program ID 12 and Group Number 007.
- Module PPEI125 was added to the Program ID 08 and Group Number 008.

The update transactions in PAYDIST.R1087.CARDLIB(PGTPROD), and the completed facsimile form UPAY803 sent with this release, are supplied for both Test and Production.
JCL Changes

- Due to the conversion from VSAM Control Table access to DB2 Control Table access, DD Names `CONTROL` and `CONTROLR` have been removed from the JCL for PPP290 and PPP713. In addition, DB2 Plan Name `PPP713` has been added to the JCL for PPP713.

- Due to the change in program PPP530 to call DB2 utility PPWSUPT2, DB2 Plan Name `PPP530` has been added to the JCL for PPP530.

- Existing DD Name `PRNTFIL6` has been changed to `PRNTFIL9` in the JCL for PPP390.

Obsolete Objects

Refer to Attachment 1 of this release letter for a complete list of obsolete objects.

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.

Test Plan

A complete 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.

Timing of Installation

This release is not urgent.

Campuses are encouraged to install this release in as timely a fashion as possible due to the large number of programs involved, and the high intersections with subsequent releases.

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

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