Detailed Design
RELEASE 1087

Date Conversion Phase II

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Information Systems & Computing
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Introduction

Original 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 (1900 through 1999) and the 21st century (2000 through 2999).

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 the same as the year in the current date. If the year in the Date of Birth is the same as the year in the current date, an appropriate message should be issued with a severity level of ‘7’ (Employee Reject).

The century on any given date that requires a century value for comparison and/or calculation is set using the standard LE/370 date routines. Currently, the default century window in LE/370 is an 80 year window. Since we are currently in the year 96, two-digit years ‘16’ through ‘99’ are considered to be 1916 through 1999; two-digit years ‘00’ through ‘15’ are considered to be 2000 through 2015. Note that the window in LE/370 is set to an 99 year window for birthdate related data elements. Two digit years ‘97’ through ‘99’ are considered to be 1897 through 1899; two-digit years ‘00’ through ‘96’ are considered to be 1900 through 1996.

Phase I of the Date Conversion Project (Release 1025) completely modified the programs in the EDB File Maintenance Process. However, due to modified shared linkage copymembers, appropriate programs used in other processes were also modified in Phase I of the Date Conversion Project.

Phase II of the Date Conversion Project will compose of modifying the programs in the following processes.

1. Compute
2. History
3. History Control Database
4. Expense Distribution
5. Year-end W2 and 1042S Process
6. Purge Appointment/Distribution Process
7. Control Table Updates
8. Corporate Personnel System
9. Rush Checks - (On-line), Rush Checks (Batch)
10. ID Numbers Maintenance - (On-line)
11. PAN Notification Selection Criteria - (On-line)
12. EDB Inquiry - (On-line)
13. Time Collection Selection Criteria - (On-line)
14. PAR Inquiry Browse - (On-line)
15. Data Element Edits (PPVREDO)
16. Employee Documents (IDOC)
17. Load PAR File to DB2 PAR
18. Archive PAN Logs to Sequential File
Copy Member Changes

**CPLNKEDT**

a) The century will be included in the date structure for KEDT-VALID-LOW-YEAR and KEDT-VALID-HIGH-YEAR in the format of CCYY, where CC is the century and YY is the year.

**CPLNKFIN**

a) The definition of the Fiscal Year Begin date field will be changed to an ISO date format of CCYY-MM-DD.

b) The definition of the Fiscal Year End date field will be changed to an ISO date format of CCYY-MM-DD.

**CPLNKXLI**

a) 88 Level values for invalid ages 0 through 15 will be added to the existing Employee Age field.

b) The size of the Age (KXLI-LI-EMP-AGE) field will be increased by 1 byte.

**CPPDSEL*C**

Currently, the current date is obtained via the COBOL verb ACCEPT in YYMMDD date format. Prior to converting the YYMMDD date format to an ISO date, the program examines the two digit year (YY). If the two digit year (YY) is between zero (00) and 25 inclusively, a century value of ‘20’ is moved to the century field of the ISO date structure, otherwise a century value of ‘19’ is moved to the century field of the ISO date structure.

The code in copymember CPPDSEL*C will be changed. A call will be made to the appropriate LE/370 date routine, via copymember CPPDXDC3, to return the current date in the format of CCYYMMDD (Gregorian date). The current date in the format of CCYYMMDD will be converted to an ISO date in the format of CCYY-MM-DD.

**CPPDSEL*M**

Currently, the current date is obtained via the COBOL verb ACCEPT in YYMMDD date format. Prior to converting the YYMMDD date format to an ISO date, the program examines the two digit year (YY). If the two digit year (YY) is between zero (00) and 25 inclusively, a century value of ‘20’ is moved to the century field of the ISO date structure, otherwise a century value of ‘19’ is moved to the century field of the ISO date structure.
The code in copymember CPPDSELC will be changed. A call will be made to the appropriate LE/370 date routine, via copymember CPPDXDC3, to return the current date in the format of CCYYMMDD (Gregorian date). The current date in the format of CCYYMMDD will be converted to an ISO date in the format of CCYY-MM-DD.

**CPWSLATI**

a) Currently, the Search Date in the Search Key contains a date in the format of YYMMDD.

The century will be included in the Search Date in the format of CCYYMMDD.

b) Currently, the Leave Accrual Effective Date contains a date in the format of YYMM.

The century will be included in the Leave Accrual Effective Date in the format of CCYYMM.

**CPWSLRTI**

a) Currently, the Search Date in the Search Key contains a date in the format of YYMMDD.

The century will be included in the Search Date in the format of CCYYMMDD.

b) Currently, the Leave Rate Effective Date contains a date in the format of YYMM.

The century will be included in the Leave Rate Effective Date in the format of CCYYMM.

**CPWSLVAS**

a) Currently, the Process Month contains a date structure in the format of YYMM.

The century will be included in the date structure for the Process Month date.

**CPWSXHCR**

a) The Date field array containing the Semi Pay Period End Dates will be changed to an ISO date format of CCYY-MM-DD.

b) The Date field array containing the Monthly Pay Period End Dates will be changed to an ISO date format of CCYY-MM-DD.
CPWSXTCT

a) The following 88 level field names with the values will be removed; the appropriate LE/370 date routines will check for date validity:

- XTCT-DATA-DATE-CHAR-MDLP-VALID
- XTCT-DATA-DATE-CHAR-MMDD-VALID
- XTCT-DATA-DATE-CHAR-YEAR-VALID
- XTCT-DATA-DATE-CHAR-YEAR-LEAP

CPWSXTRC

a) The field XTRC-CENTURY containing a value ‘19’ will be removed. Note that the program (PPP600 or PPP730) will call the appropriate LE/370 date routine to derive the century value.
**Bind Changes**

**PPP010**

The following DBRMs will be added to the bind statement:

a) PPLATUTL

b) PPLRTUTL

**PPP290**

The following DBRMs will be added to the bind statement:

a) PPBUTUT2

b) PPCTTUTL

c) PPMSSG2

d) PPPRMUT2

f) PPXBUUTL

**PPP390**

The following DBRMs will be added to the bind statement:

a) PPLATUTL

b) PPLRTUTL

c) PPWSPUT2

**PPP520**

The following DBRMs will be added to the bind statement:

a) PPLATUTL

b) PPLRTUTL
**PPP530** (New)

The following DBRM will be added to the bind statement:

a) PPWSPUT2

**PPP713** (New)

The following DBRMs will be added to the bind statement:

a) PPP713
b) PPCTTUTL
c) PPMSSG2
d) PPDOSUT2
File Maintenance Process

PPP080

Currently, the default century window in LE/370 is an 80 year window.

- If the input data element number is ‘0107’ or ‘0634’ (Employee Birthdate or Dependent Birthdate), the century window in LE/370 will be temporarily set to a 99 year window.

- The appropriate LE/370 date routine will be called to return the century value for the birthdate.

- The century window in LE/370 will be reset to the default 80 year window.

PPP120

Currently, the default century window in LE/370 is an 80 year window.

- If the input data element number is ‘0107’ or ‘0634’ (Employee Birthdate or Dependent Birthdate), the century window in LE/370 will be temporarily set to a 99 year window.

- The appropriate LE/370 date routine will be called to return the century value for the birthdate.

- The century window in LE/370 will be reset to the default 80 year window.

PPEC112

- If the employee’s age as of the employee’s Hire Date (EDB 0113) is less than 14, message 08-805 (EMPLOYEE’S AGE AT HIRE IS LESS THAN 14) will be issued with a severity level of ‘7’ (Employee Reject).

- The following existing edit will be removed:

  If the employee’s age as of the employee’s Hire Date is less than 16, message 08-098 (EMPLOYEE’S AGE IS LESS THAN 16) is issued.

PPEI125

- Currently, the SCR Process Date is used in the calculation of the employee’s age on January 1 (EDB 0254).
If the EDB File Maintenance Process is run, the first of the Month Date (calculated from SCR Current Date) will be used in the calculation of the employee’s age on January 1.

- If the calculated employee age on January 1 is under 16 or over 79, message 08-806 (EMPLOYEE’S AGE ON JANUARY 1 IS OUTSIDE OF EXPECTED RANGE) will be issued with a severity level of ‘3’ (Warning).

- If the employee’s year in the Date of Birth (EDB 0107) is the same as the current year, message 08-807 (EMPLOYEE’S DATE OF BIRTH CANNOT BE IN THE CURRENT YEAR) will be issued with a severity level of ‘7’ (Employee Reject).
Compute Process

PPBENRTR

a) Code for calling the standard LE/370 Date Routines will be added via copy member CPPDXDC3.

b) Convert WS-PPEND-DATE-HOLD date format of YYMMDD to an ISO date format of CCYY-MM-DD.

c) Convert KRTR-DATE-OF-EMPLOYMENT date format of YYMMDD to an ISO date format of CCYY-MM-DD.

d) The date comparison/date calculation routine in the following paragraph will be modified to include the century:
   • C060-CALC-1ST-REDUCTION

PPBENUCR

a) Code for calling the standard LE/370 Date Routines will be added via copy member CPPDXDC3.

b) Convert WS-PPEND-DATE-HOLD date format of YYMMDD to an ISO date format of CCYY-MM-DD.

c) Convert KRTR-DATE-OF-EMPLOYMENT date format of YYMMDD to an ISO date format of CCYY-MM-DD.

d) The date comparison/date calculation routine in the following paragraph will be modified to include the century:
   • C010-SETUP-RATES-FOR-CALC

PPBENXLI

Currently, PPBENXLI sets the Program Abort Flag when the rate is not found on the PPPBRL Table due the employee’s age less than 16.

Similar to modules PPBENEPD and PPBENDLI, module PPBENXLI will edit the employee’s age. If the age is less than 16, the Program Invalid Lookup Argument Flag will be set.
a) Currently, the program contains code to edit the date for validity; the code will be removed. The program will pass the date to the appropriate LE/370 date routine to determine for date validity.

PPEDTLAR

a) Copy members CPWSXDC2 and CPPDXDC2 will be replaced with CPWSXDC3 and CPPDXDC3 respectively.

b) The block of code which does date edits will be removed. The call to the date routines in LE/370 will determine whether the input date is valid.

c) The appropriate dates will be converted to ISO date formats.

c) The date comparison/date calculation routines in the following paragraphs will be modified to include the century:

- 6000-EMPLOYMENT-STATUS-1
- 7000-EMPLOYMENT-STATUS-4
- 8050-DATE-VALIDATION

PPEDTMGR

a) Copy members CPWSXDC2 and CPPDXDC2 will be replaced with CPWSXDC3 and CPPDXDC3 respectively.

b) The appropriate dates will be converted to ISO date formats.

c) The date comparison/date calculation routines in the following paragraphs will be modified to include the century:

- 1500-DATE-INITIALIZATIONS
- 1510-DATE-ADJUSTMENT

PPEDTPDR

a) Copy members CPWSXDC2 and CPPDXDC2 will be replaced with CPWSXDC3 and CPPDXDC3 respectively.

b) The appropriate dates will be converted to ISO date formats.
c) The date comparison/date calculation routines in the following paragraphs will be modified to include the century:

- 6000-EMPLOYMENT-STATUS-1
- 7000-EMPLOYMENT-STATUS-4

**PPEDTRST**

The block of code which does date edits will be removed. The call to the date routines in LE/370 will determine whether the input date is valid or invalid.

**PPEDTSBU**

a) Copy member CPWSXDC3 will be added to Working Storage section.

b) The hard coded date edit routines will be replaced with the standard LE/370 Date Routines called in copy member CPPDXDC3.

c) The date comparison/date calculation routine in the following paragraph will be modified to include the century:

- 8050-DATE-VALIDATION

**PPEDTTEX**

a) Existing copy members CPWSXDC2 and CPPDXDC2 will be removed.

b) Calls to date routines in copy member CPPDXDC2 will be replaced with the standard LE/370 Date Routines called in copy member CPPDXDC3.

d) The date comparison/date calculation routines in the following paragraphs will be modified to include the century:

- 2000-EDIT-TRANSACTION
- 3000-EMPLOYMENT-STATUS

**PPGRSAUP**

a) The date structures for REC-DIST-YYMM and PROCESS-MONTH will be modified to include the century in the date structures.
b) The date structures for PROCESS-MONTH, PRIOR-PROCESS-MONTH, and REC-DIST-PRTY-YYMM will be changed to include the century in the date structures in the Linkage section.

**PPGRSCBD**

a) Code for calling the standard LE/370 Date Routines will be added via copy member CPPDXDC3.

b) The date comparison between the Account Work End Date and the Payroll Control Begin Date will be changed to compare both dates in the formats of CCYY-MM-DD.

c) The date comparison/date calculation routine in the following paragraph will be modified to include the century:

- 4000-CBD-PROCESS

**PPGRSCOH**

a) The date structures for PROCESS-MONTH, PRIOR-PROCESS-MONTH, and REC-DIST-PRTY-YYMM will be changed to include the century in the date structures in the Linkage section.

b) Code for calling the standard LE/370 Date Routines will be added via copy member CPPDXDC3.

c) The date comparison between the Account Work End Date and the Semi Pay Period End Date will be changed to compare both dates in the formats of CCYY-MM-DD.

d) The date comparison between the Account Work End Date and the Monthly Pay Period End Date will be changed to compare both dates in the formats of CCYY-MM-DD.

e) The date comparison/date calculation routine in the following paragraph will be modified to include the century in the date compare/date calculation routine:

- 7000-CALCULATE-DAYS

**PPGRSERN**

a) The date structures for PROCESS-MONTH, PRIOR-PROCESS-MONTH, and REC-DIST-PRTY-YYMM will be changed to include the century in the date structures in the Linkage section.
b) Copymembers CPWSXDC3 and CPPDXDC3 will be included in the Working Storage section and Procedure Division respectively.

c) The date structures for PROCESS-MONTH and REC-DIST-PRTY-YYMM will be changed to include the century in the date structures in the Linkage section.

d) The date comparison/date calculation routines in the following paragraphs will be modified to include the century:

- 5000-CALCULATE-EARNINGS
- 6000-INCREMENT-GROSSES

**PPGRSFIN**

a) Copymembers CPWSXDC3 and CPPDXDC3 will be included in the Working Storage section and Procedure Division respectively.

b) The date comparison between the Account Work End Date and the Fiscal Year Begin Date will be changed to compare both dates in the ISO formats of CCYY-MM-DD.

c) The date comparison between the Account Work End Date and the Fiscal Year End Date will be changed to compare both dates in the ISO formats of CCYY-MM-DD.

d) The date comparison/date calculation routines in the following paragraphs will be modified to include the century:

- DO-EACH-DIST-200
- CHECK-STATUS-800

**PPGRSLVE**

a) Copymembers CPWSXDC3 and CPPDXDC3 will be included in the Working Storage section and Procedure Division respectively.

b) Current date definitions for Accrual Period End date, Leave Plan Start Date, and Account Work End Date will be changed to ISO date formats.

c) The date comparison/date calculation routines in the following paragraphs will be modified to include the century:

- 6000-ESTAB-ACCRU-PERIOD
- 7000-LPH-SEARCH
**PPGRSPAR**

a) Copymembers CPWSXDC3 and CPPDXDC3 will be included in the working storage section and Procedure Division respectively.

b) The appropriate date structures in the working storage section will be modified to include the century in the structures.

c) The date structures for PROCESS-MONTH, PRIOR-PROCESS-MONTH, and REC-DIST-PRTY-YYMM will be changed to include the century in the date structures in the Linkage section.

d) The date comparison/date calculation routines in the following paragraphs will be modified to include the century:

- 3000-INITIALIZATION
- 4000-BUILD-PAR
- 7000-UPDATE-HRS-BAL
- 7100-MAX-TIME-CHECK
- 7500-UPDATE-GROSSES
- 9170-CALCULATE-FY-BEGIN

**PPGRSRVW**

a) The date structures for PROCESS-MONTH, PRIOR-PROCESS-MONTH, and REC-DIST-PRTY-YYMM will be changed to include the century in the date structures in the Linkage section.

**PPGRSTIM**

a) Copymembers CPWSXDC3 and CPPDXDC3 will be included in the working storage section and Procedure Division respectively.

b) The appropriate date structures in the working storage section will be modified to include the century in the structures.
c) The date structures for PROCESS-MONTH, PRIOR-PROCESS-MONTH, and REC-DIST-PRTY-YYMM will be changed to include the century in the date structures in the Linkage section.

d) The date comparison/date calculation routine in the following paragraph will be modified to include the century:

- 5000-PROCESS-TIME

**PPLATUTL**

Currently, utility PPLATUTL accesses Leave Accrual data on the VSAM Leave Accrual Table. The internal Leave Accrual Table, defined in the linkage section, is loaded with data from the VSAM Leave Accrual Table.

Utility PPLATUTL will be completely rewritten. VSAM access will be replaced with DB2 access to the Leave Accrual Table. PPLATUTL will load the internal Leave Accrual Table with data from the DB2 Leave Accrual Table.

**PPLRTUTL**

Currently, utility PPLRTUTL accesses Leave Accrual data on the VSAM Leave Rates Table. The internal Leave Rates Table, defined in the linkage section, is loaded with data from the VSAM Leave Rates Table.

Utility PPLRTUTL will be completely rewritten. VSAM access will be replaced with DB2 access to the Leave Rates Table. PPLRTUTL will load the internal Leave Rates Table with data from the DB2 Leave Rates Table.

**PPLVASM**

a) Copymembers CPWSXDC3 and CPPDXDC3 will be included in the working storage section and Procedure Division respectively.

b) The date comparison/date calculation routine in the following paragraph will be modified to include the century:

- ESTAB-ACRU-PERIOD-2010

**PPHLVRS**

a) Copymembers CPWSXDC3 and CPPDXDC3 will be included in the working storage section and Procedure Division respectively.
b) The date comparison/date calculation routine in the following paragraph will be modified to include the century:

- ESTAB-ACRU-PERIOD-2010

**PPP310**

a) Copymembers CPWSXDC3 and CPPDXDC3 will be included in the working storage section and Procedure Division respectively.

b) The date comparison/date calculation routine in the following paragraph will be modified to include the century:

- 2230-EDIT-CYC-DATES

**PPP320**

a) Copymembers CPWSXDC2 and CPPDXDC2 will be replaced with CPWSXDC3 and CPPDXDC3 in the working storage section and Procedure Division respectively.

**PPP340**

a) The hard coded date edit routines will be replaced with the standard LE/370 Date Routines called in copy member CPPDXDC3.

b) The hard-coded century value ‘19’ will be removed, and a call will be made to the LE/370 date routines to get the appropriate century value.

**PPP360**

a) Copymembers CPWSXDC2 AND CPPDXDC2 will be replaced with CPWSXDC3 and CPPDXDC3 in the working storage section and Procedure Division respectively.

b) The date comparison/date calculation routines in the following paragraphs will be modified to include the century:

- DATE-INITIALIZATIONS-0350
- DATE-ADJUSTMENT-0360
- CB-CODE-EDIT-4300
- EDIT-ET-1-CARD-2510

**PPP380**
a) Copymembers CPWSXDC2 AND CPPDXDC2 will be replaced with CPWSXDC3 and CPPDXDC3 in the Working Storage section and Procedure Division respectively.

b) The century will be included in the sort record key.

c) The call to PPWSPUTL will be replaced with PPWSPUT2.

PPP390

a) The date structures for PROCESS-MONTH, PRIOR-PROCESS-MONTH, and RECORD-PRTY-YYMM will be changed to include the century in the date structures in the Working Storage section.

b) The date comparison/date calculation routines in the following paragraphs will be modified to include the century:

- 0500-INITIALIZATION
- SETUP-MMYY-8140

PPP410

a) Copymembers CPWSXDC2 AND CPPDXDC2 will be replaced with CPWSXDC3 and CPPDXDC3 in the Working Storage section and Procedure Division respectively.

b) The hard-coded century value ‘19’ will be removed, and a call will be made to the appropriate LE/370 date routine to get the century value.

PPP430

a) Copymembers CPWSXDC2 AND CPPDXDC2 will be replaced with CPWSXDC3 and CPPDXDC3 in the Working Storage section and Procedure Division respectively.

PPP435

a) Copymembers CPWSXDC2 AND CPPDXDC2 will be replaced with CPWSXDC3 and CPPDXDC3 in the Working Storage section and Procedure Division respectively.
History Process

a) Copymembers CPSXDC2 and CPPDXDC2 will be replaced with CPWSXDC3 and CPPDXDC3 respectively in the following programs:

1) PPAPHDKS
2) PPAPNFET
3) PPATNFET
4) PPAWDFET
5) PPBASFET
6) PPBKGFET
7) PPBRAHFT
8) PPBRDHFT
9) PPBREHFT
10) PPBRGHFT
11) PPBRHHFT
12) PPBRJHFT
13) PPBRKHFT
14) PPBROHFT
15) PPBRRHFT
16) PPBUBHFT
17) PPBUDHFT
18) PPUGHFT
19) PPUSHFT
20) PPBUTHFT
21) PPCBGFET
22) PPDOSHFT
23) PDSTFET
24) PPFSCFET
25) PPGTNHFT
26) PPHBNFET
27) PPHDPFET
28) PPHMEHFT
29) PPHNRFET
30) PPIDIFET
31) PPIDXFET
32) PPLLAFHFT
33) PPLLATHFT
34) PPLCRFET
35) PPLEVFET
36) PPLICFET
37) PPLRRHFT
38) PPLRTHFT
39) PPLUCHFT
40) PPMTHFET
41) PPOFFFET
42) PPOFFUPD
43) PPOFFHST
44) PPPIDFET
45) PPRRMHFT
46) PPP741
47) PPP742
48) PPP743
49) PPP744
50) PPQTRFET
51) PPSABFET
52) PPSVCFET
53) PPTTLHFT
54) PPWHHNR
55) PPyYRLFET

b) **PPHSTPRG** will be modified as follows:

1) CPWSXDC2 and CPPDXDC2 will be replaced with CPWSXDC3 and CPPDXDC3 respectively.

2) The century will be included in the date calculation routine in the following paragraph:

2000-FETCH
Expense Distribution Process

PPP500

a) Copymembers CPWSXDC3 and CPPDXDC3 will be included in the Working Storage section and Procedure Division respectively.

b) The date structures in the Working Storage section will be modified to include the century fields.

c) The date comparison in the following paragraph will be modified to include the century:

- D2400-SUM-PRTY-GROSSES

PPP520

a) The date structures in the Working Storage section will be changed to include the century.

b) The date comparison/date calculation routines in the following paragraphs will be modified to include the century:

- 170200-PCR-DATE-SEQ
- 200208-SET-CURNT-ACRU-BEGIN-DT
- 200245-UCI-CHECK
- 200400-EXPENSE-TRANSFER
- 200900-PROCESS-PAR-ACCT-DISTR
- 202400-FICA-MEDICR-PAR-TOT-BEN
- 203000-CALC-BENEFITS
- 20410-PROCESS-VALID-EARNINGS

PPP530

a) Copymembers CPWSXDC3 and CPPDXDC3 will be added to the Working Storage section and Procedure Division respectively.
Final

b) The date comparison/date calculation routines in the following paragraphs will be modified to include the century:

- PROCESS-EXP-CTL-RECS-1020
- LOAD-GTN-LOOP-1092

PPP540

a) Copymembers CPWSXDC2 and CPPDXDC2 will be replaced with CPWSXDC3 and CPPDXDC3 in the Working Storage section and Procedure Division respectively.

b) The date structures in the Working Storage section will include the century field.

c) The date calculation routine in the following paragraph will be modified to include the century:

- NORMAL-PURGE-2100
Year-end Tax and 1042S Process

**PPP600**

a) Copymembers CPWSXDC3 and CPPDXDC3 will be included in the Working Storage section and Procedure Division respectively.

b) The appropriate date structures in the Working Storage section will be modified to include the century field.

c) The date comparison/date calculation routine in the following paragraph will be modified to include the century:

- 21000-QUARTER-YEAR-EDIT

**PPP730**

a) Copymembers CPWSXDC3 and CPPDXDC3 will be included in the Working Storage section and Procedure Division respectively.

b) The appropriate date structures in the Working Storage section will be modified to include the century field.

c) The date comparison/date calculation routine in the following paragraph will be modified to include the century:

- 21000-YEAR-EDIT
Purge Appointment/Distribution Process

PPP290

a) Copymembers CPWSXDC2 and CPPDXDC2 will be replaced with copymembers CPWSXDC3 and CPPDXDC3 respectively.

b) The input Appointment or Distribution Purge Date on the Specification card will be converted to an ISO date. The input Appointment or Distribution Purge Date converted to an ISO date will be compared to the appointment’s Appointment Pay End Date or distribution’s Distribution Pay End Date to determine whether or not to purge the appropriate Appointment record or Distribution record.
Control Table Updates

**PPP003**

a) Field WSS-COL-IMPORT-DATE containing hard-coded century value ‘19’ in the Working Storage section will be removed.

**PPCB02**

a) The appropriate date structures in the Working Storage section will be modified to include the century field.

**PPCTLU33**

a) Copymembers CPWSXDC3 and CPPDXDC3 will be added to the Working Storage section and Procedure Division respectively.

b) If the input date contains a date format of MMDDYY, the LE/370 date routine will be called to return the century value. The input date format of MMDDYY will be converted to a date format of MMDDCCYY.

c) The appropriate LE/370 date routine will be called to determine for date validity.

**PPCTLU34**

a) Copymembers CPWSXDC3 and CPPDXDC3 will be added to the Working Storage section and Procedure Division respectively.

b) If the input date contains a date format of MMDDYY, the LE/370 date routine will be called to return the century value. The input date format of MMDDYY will be converted to a date format of MMDDCCYY.

c) The appropriate LE/370 date routine will be called to determine for date validity.
Corporate Personnel System

PPP710

a) The appropriate date structures in the Working Storage section will be modified to include the century field.

b) The date comparison routines in the following paragraphs will be modified to include the century:
   
   • 5400-APPT-PART
   • 5480-COMpare-DISTS

PPP711

a) Copymembers CPWSXDC2 and CPPDXDC2 will be replaced with CPWSXDC3 and CPPDXDC3 in the Working Storage section and Procedure Division respectively.

b) The appropriate date structures in the Working Storage section will be modified to include the century field.

c) The date comparison/date calculation routines will be modified to include the century in the following paragraphs:

   • B0000-INITIALIZE
   • F2200-CHECKEMPL-ACTIV
   • F2300-CHECK-EMPL-LEAVE

PPP712

a) The appropriate date structures in the Working Storage section will be modified to include the century field.

b) The date comparison/date calculation routines will be modified to include the century in the following paragraphs:

   • D2000-VALID-APPT
   • D4400-FIND-REG-PAY
PPP713

a) Copymembers CPWSXDC3 and CPPDXDC3 will be added to the Working Storage and Procedure Division respectively.

b) The appropriate date structures in the Working Storage section will be modified to include the century field.

c) The date comparison/date calculation routines will be modified to include the century in the following paragraphs:

- E3000-LOAD-CAL
- E3100-LOAD-MONTH
- F4000-EXTRACT-DIST
Rush Checks

PPRCABEY (Batch)

a) Copymembers CPWSXDC2 and CPPDXDC2 will be replaced with copymembers CPWSXDC3 and CPPDXDC3

b) Currently, today’s date is passed to the existing date routine to return an USA Date, and the USA Date is moved to field WS-TODAY-DATE-DB2 in section 1000-PROGRAM-INITIALIZATION. However, field WS-TODAY-DATE-DB2 is not being referenced elsewhere in the program. Field WS-TODAY-DATE-DB2 in the Working Storage section and in section 1000-PROGRAM-INITIALIZATION will be removed.

PPRCVEND (On-line)

a) Copymembers CPWSXDC2 and CPPDXDC2 will be replaced with copymembers CPWSXDC3 and CPPDXDC3.
ID Numbers Maintenance - On-line

UCAPIDAS

a) The hard-coded century value ‘19’ in the birthdate field of the Working Storage section will be removed.

b) Currently, the default century window in LE/370 is an 80 year window (e.g., two-digit years ‘16’ through ‘99’ are considered to be 1916 through 1999; two-digit years ‘00’ through ‘15’ are considered to be 2000 through 2015.

The century window will be set to an 99 year window. The birthdate entered on the screen footer line will be passed to the appropriate LE/370 date routine to return a century value.

The century window will be set back to the default century window of 80.

UCAPIDKS

a) The hard-coded century value ‘19’ in the birthdate field of the Working Storage section will be removed.

b) Currently, the default century window in LE/370 is an 80 year window (e.g., two-digit years ‘16’ through ‘99’ are considered to be 1916 through 1999; two-digit years ‘00’ through ‘15’ are considered to be 2000 through 2015.

The century window will be set to an 99 year window for birthdates. The birthdate entered on the screen footer line will be passed to the appropriate LE/370 date routine to return a century value.

The century window will be set back to the default century window of 80.
**PAN Notification Selection Criteria - On-line**

**UCWINRS**

a) Copymembers CPWSXDC3 and CPPDXDC3 will be added to the Working Storage section and Procedure Division respectively.

b) Currently, a hard-coded century value of ‘19’ is appended to the Selection Criteria Date in the format of CCYYMMDD.

The hard-coded century value will be removed. The input Selection Criteria Date will be passed to the appropriate LE/370 date routine to return a century value.
Final

EDB Inquiry - On-line

PPWIADJ

a) Currently, the dollar adjustment amount field defined in Working Storage section is PIC S99999V99.

The size of the dollar adjustment amount field in the Working Storage section will be increased to PIC S9999999V99, the same maximum size as defined for the Dollar Adjustment Amount on the PPPDAT Table.
Final

Time Collection Selection Criteria - On-line

PPWIDTS

a) Copymembers CPWSXDC2 and CPPDXDC2 will be replaced with CPWSXDC3 and CPPDXDC3 respectively.
Final

PAR Inquiry Browse - On-line

PPWIBRS

a) Copymembers CPWSXDC3 and CPPDXDC3 will be added to the Working Storage section and Procedure Division respectively.

b) The hard-code century value of ‘19’ in paragraph 9098-CONV-DATE will be removed.

   A call to the appropriate LE/370 date routine will be made to return the century value.
Data Element Edits - On-line

PPPVREDO

a) Copymembers CPWSXDC3 and CPPDXDC3 will be added to the Working Storage section and Procedure Division.

b) Currently, the program contains date edits in section 4500-DATE-CHECK for valid input dates.

   The date edits will be removed; a call to the appropriate LE/370 date routine will determine valid input dates.

c) Currently, the program sets the window in LE/370 to an 99 year window for data elements 0107 (Employee Date of Birth) and 0634 (Dependent Date of Birth) in section 5110-CONVERT-MMDDYY-TO-DB2, but does not reset the window in LE/370 to the default 80 year window.

   After the return from the LE/370 date routine to return an ISO date for data elements 0107 or 0634, a call will be made to the appropriate LE/370 date routine to reset the window to the default 80 year window.
Final

Employee Documents (IDOC)

PPDXPERS

a) Copymembers CPWSXDC3 and CPPDXDC3 will be added to the Working Storage section and Procedure Division respectively.

b) Currently, a hard-coded century value of ‘19’ is appended to the two-digit Degree Year, and moved to the print line of the Employee Document.

   The hard-coded century will be removed; a call will be made to the appropriate LE/370 date routine to return the century value for printing on the Employee Document.
Final

Load PAR File to DB2 PAR

**PPDB2PAR**

a) Copymembers CPWSXDC3 and CPPDXDC3 will be added to the Working Storage section and Procedure Division respectively.

b) Currently, a hard-coded century value of ‘19’ appended to a date in the format of MM/DD/CCYY in program section 1500-DATE-TRANSLATION.

The hard-coded century will be removed. A call will be made to the appropriate LE/370 date routine to return a century value.
Archive PAN Logs to Sequential File

UC0PNP

a) Copymembers CPWSXDC3 and CPPDXDC3 will be added to the Working Storage section and Procedure Division respectively.

b) Currently, the program contains date edits for the input Spec Date in program section 1210-EDIT-SPEC-DATE.

The date edits will be removed. A call will be made to the Appropriate LE/370 date routine to validate the Spec Date.

c) Currently, a hard-coded century value of ‘19’ is moved to the Retention Date in the format of CCYY in program section 1100-PROCESS-SPEC-CARD.

The hard-coded century value will be removed. A call will be made to the appropriate LE/370 date routine to return a century value.
Control Table Updates

System Messages Table

• The following messages will be obsoleted and deleted:

  29-001  
  29-010  
  29-011  
  29-012  
  29-013  
  29-014  
  29-015  
  29-042  
  29-043  
  71-227  
  71-228  
  71-308  
  71-316  
  71-324  
  08-098

• The severity level on the following messages will be upgraded to ‘9’ (See System):

  53-004  
  53-013  
  53-014  
  74-103  
  74-203

• The following message numbers will be added:

  08 - 805 (EMPLOYEE’S AGE AT HIRE IS LESS THAN 14)  
  08 - 806 (EMPLOYEE’S AGE ON JANUARY 1 IS OUTSIDE OF EXPECTED RANGE)  
  08 - 807 (EMPLOYEE’S DATE OF BIRTH CANNOT BE IN THE CURRENT YEAR)  
  12 - 805 (EMPLOYEE’S AGE AT HIRE IS LESS THAN 14)
Final

12 - 806 (EMPLOYEE’S AGE ON JANUARY 1 IS OUTSIDE OF EXPECTED RANGE)

12 - 807 (EMPLOYEE’S DATE OF BIRTH CANNOT BE IN THE CURRENT YEAR)

53-033 (ERROR ACCESSING DB2 WORKSTUDY TABLE IN PPWSPUT2)

- The texts for the following message numbers will be changed to:

  71-310 (DB2 CAMPUS CONTROL RECORD MISSING)

  71-325 (DB2 DOS CONTROL TABLE ERROR)

**Processing Group Table**

Module PPEC112 will be added to the existing Program ID 12 in Group 007 with a Sequence Number of 0125.

Module PPEI125 will be added to the existing Program ID 08 in Group 008 with a Sequence Number of 1250.