RELEASE 1061
SALARY BASE DERIVATION -
403(b) MAXIMUM ANNUAL
CONTRIBUTION -
403(b) PROCESSING CHANGES -
IVR CHANGES -
TEST PLAN

Document Number: mac.tpn

April 11, 1996

Information Systems & Computing
Office of the President
University of California

Final
Table of Contents

Testing Overview ................................................................. 1

Initial Load of EDB (LOADEDDB) ............................................. 4
  Description ................................................................. 4
  Verification ............................................................... 4

Initialize Load of DB2 Control Tables (LOADCTL) ......................... 5
  Description ................................................................. 5
  Verification ............................................................... 5

Update UC0CFN Table (LOADCFN) ............................................ 6
  Description ................................................................. 6
  Verification ............................................................... 6

Update UC0MNU Table (LOADMNU) ........................................... 7
  Description ................................................................. 7
  Verification ............................................................... 7

EDB File Maintenance - (FMAINT) ............................................ 8
  Description ................................................................. 8
  Verification ............................................................... 8

Periodic Monthly Maintenance - (FMAINP) .................................. 13
  Description ................................................................. 13
  Verification ............................................................... 13

One-time Process - (PPOT1061) .............................................. 16
  Description ................................................................. 16
  Verification ............................................................... 16

IVR Extract File Process - (RUNIVR0) ........................................ 18
  Description ................................................................. 18
Final

Verification ................................................................. 18

IVR Extract File Process - (RUNIVR1) .................................. 21
Description ................................................................. 21
Verification ................................................................. 21

IVR Extract File Process - (RUNIVR2) .................................. 23
Description ................................................................. 23
Verification ................................................................. 23

IVR Extract File Process - (RUNIVR3) .................................. 25
Description ................................................................. 25
Verification ................................................................. 25

Benefits Documents to Employees - (RUN750) ......................... 26
Description ................................................................. 26
Verification ................................................................. 26

Annual UCRS History Update - (RUN739) ............................. 27
Description ................................................................. 27
Verification ................................................................. 27

Load Yearend EDB (LOADYRND) .......................................... 29
Description ................................................................. 29
Verification ................................................................. 29

Calendar Yearend Reset 403(b) MAC - (YREND) ..................... 30
Description ................................................................. 30
Verification ................................................................. 30

EDB ENTRY/UPDATE (On-line) ........................................... 31
Description ................................................................. 31
Verification ................................................................. 31

PAN Notification On-line .................................................. 39
Description ................................................................. 39
Verification ................................................................. 39

Screen EINS (EDB Entry/Update) ......................................... 41
Description ................................................................. 41
Verification ................................................................. 41

Screen ECEN (EDB Entry/Update) ........................................ 42
Description ................................................................. 42
Verification ................................................................. 42

Screens IINP and IINS ( Inquiry) ......................................... 43
Description ................................................................. 43
Verification ................................................................. 43

Table of Contents
Final

Rush Checks On-line ................................................................. 44
Description ................................................................. 44
Verification ................................................................. 44
Testing Overview

This document addresses the following tests to verify the correct execution of changes to EPD/GLI Salary Base Derivation Process, 403(b) Maximum Annual Contribution (MAC) Update Process, and other 403(b) Processing changes.

1. **EPD/GLI Salary Base Derivation Process:**

   *Note:* The actual derived salary base values calculated from the rates on the distributions are date dependent. The Salary Base Derivation Process in the EDB File Maintenance Process checks the status of the distributions, whether any distributions are active or all distributions are future, by comparing each Distribution's Pay Begin and Pay End Dates with the current date (today's date). Thus, the derived salary base values from the EDB File Maintenance Process are based upon certain distributions considered active or all distributions considered future on a given day. However, the triggering of the Salary Base Derivation process (via PPCB01) in Periodic Monthly Maintenance checks the status of the distributions, whether any distributions are active or all distributions are future, by comparing the Year and Month on each Distribution's Pay Begin and Pay End Dates with the Year and Month on the End of the Month Date (calculated from the SCR Current Date). Thus, the actual day EDB File Maintenance is run may produce different derived salary base values, which may also affect the derived salary base values from the Periodic Monthly Maintenance Process.

   Depending on the actual day campuses execute the test plan, results may be different from those displayed in thePPP2501 report sent with this release. Campuses may need to modify the Distribution Pay Begin and/or Pay End Dates in CARDEXP(SALBASE) to test the following cases:

   The status of an employee's distribution is active in the EDB File Maintenance Process, but has expired in the Periodic Monthly Maintenance Process.

   The status of an employee's distribution is future in the EDB File Maintenance Process, but will become active in the Periodic Monthly Maintenance Process.

   The following processes were run to test the changes to EPD/GLI Salary Base Derivation:

   a. **Batch testing:**

      EDB File Maintenance - (FMAINT)
Final

Periodic Monthly Maintenance - (FMAINP)

One-time Salary Base Derivations (PPOT1061)

b. On-line testing:

   EDB Entry/Update - Optional (tested in batch)
   PAN Notification On-line (PAN)
   Screen EINS (EDB Entry/Update)
   Screens IINP and IINS (Inquiry)

2. **403(b) Maximum Annual Contribution (MAC) Update Process:**

   Although no changes were required in the Compute Process, the compute was run at UCOP to verify that no 403(b) deductions were taken for any employee who does not have a 403(b) Maximum Annual Contribution established on the EDB.

   The following processes were run to verify the correct execution of the annual UCRS History 403(b) MAC (Maximum Annual Contribution) Update Process via PPI739.

   a. **Batch testing:**

      Annual UCRS History MAC Update (RUNI739)

   b. **On-line testing:**

      Rush Checks (Functions OPT1, OPT2)

3. **403(b) Processing changes:**

   The following processes were run to test the 403(b) Processing changes:

   a. **Batch testing:**

      EDB File Maintenance - (FMAINT)
      Periodic Monthly Maintenance - (FMAINP)
      Calendar Yearend Reset 403(b) MAC - (YREND)
      Benefits Documents to Employees (RUN750)

   b. **On-line testing:**

      Central Office Information - (Function ECEN)
4. **IVR Processing:**

   a. **Batch testings:**

      Create new IVR History Files - (RUNIVR0) - IVR Spec card set to 'N' for (No input IVR History Files). This test run verifies that the new data elements are written to the output IVR History Files. In addition, employees with 'Inactive' employment status are included on the IVR History Files.

      Inactive Retention function (Value in System Parameter Number 261 = 30):

      (RUNIVR0) - Using Xpediter/TSO, today's date value and the associated Lilian Date returned from the Date Conversion routines are changed to reflect a date of 04/04/1996. This job does not have any input files to process.

      (RUNIVR1) - Using Xpediter/TSO, today's date value and the associated Lilian Date returned from the Date Conversion routines are changed to reflect a date of 04/05/1996. This particular test case verifies that the particular employee with an employment status of T's is not deleted from the IVR Employee History File.

      An IVR Employee History record is not deleted from the Employee History file if the employee has an employment status of T, the employee's Hire Date is equal or greater than today's date, and the employee has been inactive longer than 30 days (value in System Parameter Number 261).

      (RUNIVR2) - Using Xpediter/TSO, today's date value and the associated Lilian Date returned from the Date Conversion routines are changed to reflect a date of 05/05/1996. This particular test case verifies that an employee with an employment status of T's is deleted from the IVR Employee History File.

      (RUNIVR3) - Using Xpediter/TSO, today's date value and the associated Lilian Date returned from the Date Conversion routines are changed to reflect a date of 05/06/1996. This particular test case verifies that an inactive employee is not re-written to the IVR History Files.
Initial Load of EDB (LOADEDB)

Description

This job loads the EDB table with the 33 test tables sent with this release.

Verification

Verify that the job has run to completion with normal condition codes and that all 33 tables have been successfully loaded into the database.
Initialize Load of DB2 Control Tables (LOADCTL)

Description

This job loads the DB2 Control Tables.

*The updates to the System Messages Table, System Parameters Table, Data Element Table, Code Translation Table, Routine Definition Table, and Processing Group Table are already reflected in the particular PDS members used for the loading of the DB2 Control Tables.*

Verification

Verify that this job went to normal completion in the load of the DB2 Control Tables.
Update UC0CFN Table (LOADCFN)

Description

The new ECEN function must be added to the UC0CFN Table prior to on-line testing.

This job uses the RESUME function to insert rows to the UC0CFN Table. It does not load any other PCD data.

Verification

Verify in the sysout that the new ECEN function has been inserted onto the UC0CFN Table.
Update UC0MNU Table (LOADMNU)

Description

Function ECEN must be added to the UC0MNU Table prior to on-line testing.

This job uses the RESUME function to insert rows to the UC0MNU Table. It does not load any other PCD data.

Verification

Verify in the sysout that the new ECEN function has been inserted onto the UC0MNU Table.
EDB File Maintenance - (FMAINT)

Description

This job updates employees' data on the EDB via input transactions in (PDS CARDEXP, (member SALBASE)). The input Process Date entered on the Run Specification is 040196 (for April 1, 1996).

(The Salary Base derivation process in the EDB File Maintenance Process checks the status of the distributions, whether any distributions are active or all distributions are future, by comparing the Distribution Pay Begin and Pay End dates with the actual current date).

The derived EPD Salary Base and GLI Salary Base values can be verified by referring to the formula described in the Detailed Design document.

Optionally, campuses can do additional batch testing of the EPD/GLI Salary Base Derivation Process. Campuses may use the test cases (Refer to section EDB Entry/Update (On-line)) developed for the EDB Entry/Update On-line test by creating EDB batch transactions.

Verification

Campuses may not get the same results as those displayed on the reports sent with this release (Review the note in the Testing Overview section of this document).

1. Verify the following messages issued on the PPP1001 report (PDS REPORTS, member PPP1001A):

   ▼ 0000000001 - Before update, the GLI Plan Code (EDB 0276) = '4', the GLI Coverage Effective Date (EDB 0277) = 02/01/90, and the GLI Salary Base (EDB 0275) = 185.

   An asterisk (*) was entered in position 21 of the IE transaction to delete the GLI Salary Base (EDB 0275).

   Message 08-087 (LIFE INSURANCE PLAN INFORMATION INCOMPLETE) is issued with a severity level of '7' (Employee Rejected).

   ▼ 000050034 - The employee has already made a change to the 403(b) deduction so far in the year 1996 (EDB 0279, 403(b) Change Date = 01/01/1996).
Final

Note that an employee participating in the 403(b) Plans can make one change to 403(b) deductions once during the calendar year.

Message 08-325 *(CHANGE TO 403(B) TOTAL WITHIN CURRENT CALENDAR YEAR)* is issued with a severity level of '7' (Employee Reject).

- 2000000087 - Before update, the EPD Waiting Period (EDB 0231) = '007', the EPD Coverage Effective Date (EDB 0233) = 04/01/92, and the EPD Salary Base (EDB 0232) = 02373.

   An asterisk (*) was entered in position 24 of the DE transaction to delete the EPD Waiting Period (EDB 0231).

Message 08-188 *(EMPLOYEE-PAID DISABILITY DATA IS INCOMPLETE)* is issued with a severity level of '7' (Employee Reject).

2. Verify on the before and after PPP2501 reports *(PDS REPORTS, members PPP250A and PPP250B)* for the following employees:

   - **Employee 0000000001** - An attempt was made to delete only the GLI Salary Base (EDB 0275) value.

     **Result:** Deleting only the GLI Salary Base (EDB 0275) value of 185 is not allowed; the employee's GLI Salary Base value is not deleted.

   - **Employee 0000000087** - (Separated employee) - A change was made to the Distribution Rate (EDB 2055) to trigger the EPD and GLI Salary Base derivation process.

     The employee's BELI Indicator (EDB 0360) = '?'. The employee's Pay Schedule = MO.

     **Result:** An employee separated from employment is bypassed from the Salary Base Derivation Process. The EPD salary base (EDB 0232) and GLI salary base (EDB 0275) were not derived.

   - **Employee 0000000089** - (Re-hired employee) - Previously, this employee was separated (Employment Status = 'S'). The employee was not enrolled in EPD or GLI.

     All distributions are active. Distribution 11 (REG) has a rate of 1000000, Distribution 12 (REG) has a rate of 1500000, Distribution 15 (HSC) has a rate of 0750000.

     The employee's BELI Indicator (EDB 0360) = '1'. The employee's Pay Schedule = MO.

     **Result:** The highest rate of 1500000 from active Distribution 12 with a DOS code of REG is used in the salary base calculations for EPD and GLI. The rates for Distribution 11 (REG) and Distribution 15 (HSC) were bypassed. The EPD Salary Base (EDB 0232) = 15000 and the GLI Salary Base (EDB 0275) = 180.

   - **Employee 0000500001** - (Active employee) - Update transactions were created to update GTN 001-G (Tax Deferred Savings). The 403(b) deduction(s) was last updated on
01/01/93 (EDB 0279) (PDS REPORTS, member PPP250A).

**Result:** Tax Deferred Savings (GTN 001-G) was changed to 100.00, and the 403(b) Change Date (EDB 0279) was changed to the actual current date (PDS REPORTS, member PPP250B).

- **Employee 000050020** - (Active employee) - All distributions are active. The rate of 041167 on Distribution 11 (REG) was not changed. However, the rate on Distribution 21 was changed from 0411667 to 0575000 to trigger the Salary Base Derivation Process. This employee is already enrolled in the GLI Plan. Thus, the GLI Salary Base is not re-derived.

  All distributions are active.

  The employee's BELI Indicator (EDB 0360) = '1'. The employee's Pay Schedule = MO.

  **Result:** The highest rate of 0575000 from active Distribution 21 with a DOS code of REG is used in the salary base calculations for EPD. The rate on Distribution 11 (REG) was bypassed.

  The derived EPD Salary Base = 05750.

- **Employee 000050123** - (Active employee) - An update transaction was created to de-enroll the employee from GTN 232-G (Tax Deferred Savings). The 403(b) deduction(s) was last updated on 01/01/93 (EDB 0279) (PDS REPORTS, member PPP250A).

  **Result:** Tax Deferred Savings (GTN 232-G) was deleted. The 403(b) Change Date (EDB 0279) was changed to the actual current date (PDS REPORTS, member PPP250B).

- **Employee 111111112** - (Hired employee) - Distributions 41 (rate = 1500000), 63 (rate = 0040000), and 65 (rate = 1600000) are Active distributions. Distribution 42 (rate = 2100000) is Future. Distribution 43 (rate = 2000000) is expired.

  The GLI Plan Code of '3' and the GLI Coverage Effective Date of 01/01/94 are entered on the IE transaction, but the GLI Salary Base is not entered on the IE transaction.

  The employee's BELI Indicator (EDB 0360) = '1'. The employee's Pay Schedule = MO.

  **Result:** The highest rate of 1600000 from Active Distribution 65 with a DOS code of REG is used in the calculation of the EPD and GLI Salary Bases. The pay rates on Future Distribution 42 and Expired Distribution 42 were bypassed.

  The derived EPD Salary Base = 16000, and derived GLI Salary Base = 192.

- **Employee 111111113** - (Hired employee) - All Distributions are Future. Distribution 41 has a Pay Begin Date of 01/01/99, Distribution 42 has a Pay Begin Date of 02/01/99, Distribution 43 has a Pay Begin Date of 03/01/99, and Distribution 46 has a Pay Begin Date of 01/01/99.

  The employee's BELI Indicator (EDB 0360) = '1'. The employee's Pay Schedule = MO.

  **Result:** The earliest future Distribution Pay Begin Date is first determined. All future distributions with the same Pay Begin Date of 01/01/99 are selected for the salary base.
Final

calculation. Thus, Distributions 41 (REG) and 46 (REG) with a Pay Begin Date of 01/01/99 are selected. However, the highest rate of 2000000 on Distribution 46 with a DOS code of REG is used in the salary base calculation.

The derived EPD Salary Base is 20000, and the derived GLI salary base is 240.

▼ Employee 111111114 - (Hired employee) - All Distributions are Future. Distribution 57 (STP) has a Pay Begin Date of 01/01/99 with a rate of 0050000, and Distribution 58 (STP) has a Pay Begin Date of 01/01/99 with a rate of 0050000.

The employee's BELI Indicator (EDB 0360) = '1'. The employee's Pay Schedule = MO.

Result: The earliest future Distribution Pay Begin Date is first determined. All future distributions with the same Pay Begin Date of 01/01/99 are selected for the salary base calculation. Distributions 57 and 58 both have a DOS code of STP. The rate of 0050000 on each distribution is accumulated (0050000 + 0050000 = 01000).

The derived EPD Salary Base is 01000, and the derived GLI salary base is 012.

▼ Employee 111111115 - (Hired employee) - All Distributions are Future. Distribution 11 (REG) has a Pay Begin Date of 01/01/00 with a rate of 0178500, and Distribution 13 (OTS) has a Pay Begin Date of 01/01/00 with a rate of 0178500.

The employee's BELI Indicator (EDB 0360) = '2'. The employee's Pay Schedule = BW.

Result: All future distributions with an earliest Pay Begin Date of 01/01/00 are selected for the salary base calculation. The highest rate of 0178500 on Distribution 11 with a DOS code of REG is selected. The rate of 0178500 on Distribution 13 with a DOS code of OTS is bypassed.

This employee is not eligible for EPD. However, the employee is eligible for GLI. The derived GLI Salary Base is 038.

▼ Employee 111111118 - (Hired employee) - Active distributions with a DOS code of REG are distribution numbers 11 (rate = 178500), and 16 (rate = 0170000). An Expired distribution with a DOS Code of REG is 15 (rate = 0205000). A Future distribution with a DOS Code of REG is distribution number 18 (rate = 0105000). An Active distribution with a DOS Code of OTS is 23 (rate = 0050000). Active distributions with a DOS code of SDF are distribution numbers 24 (rate = 0078500), and 25 (rate = 0070000). An Expired distribution with a DOS code of SDF is distribution number 26 (rate = 0065000). A Future distribution with a DOS code of SDF is distribution number 27 (rate = 0065000). Active distributions with a DOS code of STP are distribution numbers 51 (rate = 0060000), and 53 (rate = 0050000). An Expired distribution with a DOS code of STP is distribution number 54 (rate = 0040000). A Future distribution with a DOS code of STP is distribution number 55 (rate = 0070000).

The employee's BELI Indicator = '1'. The employee's Pay Schedule = BW.

Result: The highest rate of 0178500 is taken from Active Distribution 11 with a DOS code of REG. The rate on Active Distribution 23 with a DOS code of OTS is bypassed. The highest rate of 0078500 from Active Distribution 24 with DOS code of SDF is used in the
Final

salary base calculation. The rates on Expired Distribution 26 and Future Distribution 27 are bypassed. The Rate of 0060000 on Active Distribution 51 with a DOS code of STP, and the rate of 0050000 on Active Distribution 53 with a DOS code of STP are accumulated. The rates on Expired Distribution 54 and Future Distribution 55 are bypassed.

The derived salary base for EPD Salary Base (EDB 0232) is 06386, and the derived salary base for GLI Salary Base (EDB 0275) is 077.

- **Employee 2000000087** - An attempt was made to delete only the EPD Waiting Period.

  **Result:** The EPD Waiting Period (EDB 0231) value was restored to '007'.
Periodic Monthly Maintenance - (FMAINP)

Description

This job executes the Periodic Monthly Maintenance Process for the month beginning May 1, 1996.

This job tests the re-calculation of the employees salary bases, and the de-enrollment from the 403(b) Plans for specific separated employees.

Verification

Campuses may not get the same results as those displayed on the reports sent with this release (Review the note in the Testing Overview section of this document).

1. To ensure that the changes to the Periodic Monthly Maintenance Process has run successfully, verify on the before and after PPP2501 reports (PDS REPORTS, members PPP2501C and PPP2501D) for the following employees:

   a. Employee 000000001 - This employee has an Employment Status of 'A' (EDB 0144), Taxed Deferred Savings amount of 200.00 (GTN 001-G), Taxed Deferred Equity amount of 200.00 (GTN 003-G), Tax Deferred Bond Percentage value of 10.00 (GTN 233-G), Deduction Effective Date of 05/01/90 for (GTN 001, 003, and 233) (PDS REPORTS, member PPP2501C).

   Verify that module PPEM140 did not de-enrolled this employee from GTN 001-G, 003-G, and 233-G (PDS REPORTS, member PPP250D).

   b. Employee 000000091 - This employee has an Employment Status of 'S' (EDB 0144) with Separation Reason Code of 'BA' (EDB 0141), and Taxed Deferred Calvert Percentage of 15.00 (GTN 237-G) with a Deduction Effective Date of 05/01/90 for (GTN 237) (PDS REPORTS, member PPP2501C).

   Verify that module PPEM140 did not de-enroll this employee from GTN 237-G (PDS REPORTS, member PPP250D)

   c. Employee 200000001 - Before Periodic Monthly Maintenance was run, the EDB File Maintenance Process run in the month of April calculated the EPD Salary Base (EDB 0232) value as 03289, and the GLI Salary Base (EDB 0275) value as 040 (PDS REPORTS, member PPP2501C). Note that Distribution 11 was still considered active at the time EDB File Maintenance was run in April.
Final

During the Periodic Monthly Maintenance Process for the month beginning May, the employee's Distribution 11 record expired. The re-derived EPD Salary Base value and GLI Salary Base value are 03045 and 037 respectively (PDS REPORTS, member PPP250D).

d. Employee 200000002 - Before Periodic Monthly Maintenance was run, the EDB File Maintenance Process run in the month of April calculated the EPD Salary Base (EDB 0232) value as 06386, and the GLI Salary Base (EDB 0275) value as 077 (PDS REPORTS, member PPP250C). Note that Distribution 16 was still considered future at the time EDB File Maintenance was run in April.

During the Periodic Monthly Maintenance Process for the month beginning May, the employee's Distribution 16 record became active. The re-derived EPD Salary Base value and GLI Salary Base value are 06586 and 080 respectively (PDS REPORTS, member PPP250D).

e. Employee 200000003 - Before Periodic Monthly Maintenance was run, the EDB File Maintenance Process run in the month of April calculated the EPD Salary Base (EDB 0232) value as 06038, and the GLI Salary Base (EDB 0275) value as 073 (PDS REPORTS, member PPP250C). Note that Distribution 18 was still considered future, and Distribution 54 was still considered active at the time EDB File Maintenance was run in April.

During the Periodic Monthly Maintenance Process for the month beginning May, the employee's Distribution 18 record became active, and Distribution 54 expired. The re-derived EPD Salary Base value and GLI Salary Base value are 05368 and 065 respectively (PDS REPORTS, member PPP250D).

f. Employee 200000004 - Before Periodic Monthly Maintenance was run, EDB File Maintenance Process for the month of April calculated the EPD Salary Base (EDB 0232) value as 06934, and the GLI Salary Base (EDB 0275) value as 084 (PDS REPORTS, member PPP250C). Note that all Distributions are future. No Distributions will be become active after the time EDB File Maintenance Process has run in April and before Periodic Monthly Maintenance is run for the month beginning May.

During the Periodic Monthly Maintenance Process for the month beginning May, no distributions became active in the month of May, and no distributions expired in the previous month of April for this employee. Thus, the employee's EPD and/or GLI Salary Base values were not re-derived (PDS REPORTS, member PPP250D).

g. Employee 200000091 - This employee has an Employment Status of 'S' (EDB 0144) with Separation Reason Code of 'I4' (EDB 0141), Taxed Deferred Saving of 200.00 (GTN 001-G), Taxed Deferred Bond of 200.00 (GTN 002-G), Taxed Deferred Calvert Percentage of 10.00 (GTN 237-G), and each with a Deduction Effective Date of 05/01/90 (PDS REPORTS, member PPP250C).

Verify that module PPEM140 has de-enrolled the employee from Taxed deferred Savings (GTN 001-G), Taxed Deferred Bond (GTN 002-G), and Taxed Deferred Calvert Percentage (GTN 237-G) (PDS REPORTS, member PPP250D). In addition, verify that the Deduction Effective Dates for GTN 001, GTN 002, and GTN 237 have been set to low-values (01-01-01).
One-time Process - (PPOT1061)

Description

This job executes the One-time program to derive the EPD Salary Base and GLI Salary Base for employees eligible for EPD and/or GLI Plans, but who are not initially enrolled in EPD Insurance (*EPD Waiting Period = '000') and/or GLI Insurance (*GLI Plan Code = blank or 'F').

In addition, after the one-time salary base derivation process has run, the Database Audit Register report (PPP1800) is printed via program PPP180.

Verification

• Verify that the following totals are displayed on the one-time report POT10611 (*PDS REPORTS, member POT10611)*:

  EMP RECORDS READ: 142
  
  ALTERED EMPLS: 93
  
  ECF WRITTEN: 109

• To ensure that the one-time program has been installed successfully, verify the particular derived salary base values for the following particular employees on report PPP1800 (*PDS REPORTS, member PPP1800)*:

  Employee 000050002 - EPD Salary Base (EDB 0232) changed to 09750
  
  Employee 000050023 - EPD Salary Base (EDB 0232) changed to 03408
  GLI Salary Base (EDB 0275) changed to 041
  
  Employee 000050032 - EPD Salary Base (EDB 0232) changed to 01728
  GLI Salary Base (EDB 0275) changed to 021
  
  Employee 000050033 - EPD Salary Base (EDB 0232) changed to 02543

• If desired, campuses can optionally verify the derived salary base values from the one-time program using report PPP5701. However, only employees who are actually enrolled in EPD and/or GLI are reported on the PPP570 report. Thus, SPUFI was used to globally change the EPD Waiting Period, EPD Coverage Date, GLI Plan Code, and GLI Coverage Date values on the EDB via the following SQL UPDATE statements:
UPDATE PPPBEN
    SET EPD_WAIT_PERIOD = '007',
        EPD_COVRGE_DATE = '1990-01-01'
WHERE EPD_WAIT_PERIOD = '000' AND EPD_SALARY_BASE > 0;

UPDATE PPPBEN
    SET LIFEINS_PLAN = '1',
        LIFE_COVEFFDATE = '1990-01-01'
WHERE LIFEINS_PLAN = '' AND LIFE_SALARY_BASE > 0;

After manipulating the EDB using the above SQL UPDATE statements, program PPP570 was run. The EPD and GLI Salary Base values on report PPP1800 were compared against the EPD and GLI Salary Base values on report PPP5701. The derived EPD and GLI Salary Base values reported on the PPP1800 report should match the EPD and GLI Salary Base values reported on the PPP5701 report.
IVR Extract File Process - (RUNIVR0)

Description

This job creates a new set of output IVR History Files (Employees, Dependents, Deductions). Column 12 of the Specification Card is set to a value of 'N' (No input IVR History Files). All input data file names for the associated DD Names in the JCL are dummied out.

Xpediter/TSO was used to run this job. The **KEEP** command was placed on Working Storage fields XDC3-GREGORIAN-CHAR and XDC3-LILIAN-DATE.

The Xpediter/TSO **BEFORE** (b) command was used to set a breakpoint to pause before execution of the following COBOL statement in section '10000-GENERAL-INITIALIZATION':

'**MOVE XDC3-GREG-MM TO WA-CURRENT-DATE-MM**'.

Upon pausing, the current date value in XDC3-GREGORIAN-CHAR was set to '19960404' in positions 1 through 8. The lilian date value in XDC3-LILIAN-DATE was set to '000151018' in positions 1 through 9.

The above specific dates are used to test the selection of inactive employees. Inactive employees whose Hire Date is equal or greater than the current date are selected and written to the IVR History Files. Inactive employees whose Hire Date is less than the current date are not selected for the IVR extract process.

Verification

To ensure that the changes to program PPIIVR have been installed properly, verify the data on the following files:

- **Employee History File**
  1. Record #80 - Employee 200000003 (Employment Status = A, Column 153)
     - Columns 341 through 346, GLI Salary Base = 073000 (Note that the unmodified version of PPIIVR sets the GLI Salary Base to 0 when the employee's GLI Plan Code = blank).
     - Column 347, GLI Plan Code = blank
     - Columns 576 through 583, 403(b) MAC amount = 00000.00
Final

2. Record #96 - Employee 900000001 (Employment Status = I, Column 153)
   - Columns 286 through 293, EPD Salary Base = 21000.00
   - Columns 341 through 346, GLI Salary Base =252000
   - Columns 576 through 583, 403(b) MAC amount = 09500.00
   - Columns 584 through 593, Medical ECED = 07/01/1996
   - Columns 594 through 603, Dental ECED = 07/01/1996
   - Columns 604 through 613, Optical ECED = 07/01/1996
   - Columns 614 through 623, Legal ECED = 07/01/1996
   - Columns 624 through 625, Employment Unit Code = 98
   - Column 626, Employee Relations Code = A
   - Column 627, Employee Representation Code = *
   - Column 628, Employee Special Handling Code = A
   - Column 629, Employee Distribution Unit Code = *

- **Dependent History File**

  Verify that today's date (current date in USA format) is in columns 14 through 23

- **GTN Deduction History File**

  Verify that today's date (current date in USA format) is in columns 16 through 25

- **Employee Extract File**

  1. Record #79 - Employee 200000003 (Employment Status = A, Column 117)
     - Columns 305 through 310, GLI Salary Base =073000 (The unmodified version of PPIIVR sets the GLI Salary Base to 0 when the employee's GLI Plan Code = blank).
     - Column 311, GLI Plan Code = blank
     - Columns 540 through 547, 403(b) MAC amount = 00000.00

  2. Record #95 - Employee 900000001 (Employment Status = I, Column 117)
     - Columns 250 through 257, EPD Salary Base = 21000.00
     - Columns 305 through 310, GLI Salary Base =252000
     - Columns 540 through 547, 403(b) MAC amount = 09500.00
     - Columns 548 through 557, Medical ECED = 07/01/1996
     - Columns 558 through 567, Dental ECED = 07/01/1996
     - Columns 568 through 577, Optical ECED = 07/01/1996
     - Columns 578 through 587, Legal ECED = 07/01/1996
     - Columns 588 through 589, Employment Unit Code = 98
     - Column 590, Employee Relations Code = A
     - Column 591, Employee Representation Code = *
     - Column 592, Employee Special Handling Code = A
     - Column 593, Employee Distribution Unit Code = *
Final

3. Employee 900000002 (Employment Status = I)

Note that an employee with an Emploment Status (EDB 0144) of 'I' and his/her Hire Date (EDB 0113) is prior to the current date is not processed.

Verify that this employee with an Employment Status (EDB 0144) of 'I', and a Hire Date (EDB 0113) less than the current date (today's date) is not written to the IVR Employee History File.
IVR Extract File Process - (RUNIVR1)

Description

The input files for this job were created from previous job RUNIVR0.

Xpediter/TSO was used to run this job. The KEEP command was placed on Working Storage fields XDC3-GREGORIAN-CHAR and XDC3-LILIAN-DATE.

The Xpediter/TSO BEFORE (b) command was used to set a breakpoint to pause before execution of the following COBOL statement in section '10000-GENERAL-INITIALIZATION'.

'MOVE XDC3-GREG-MM TO WA-CURRENT-DATE-MM'.

Upon pausing, the current date value in XDC3-GREGORIAN-CHAR was set to '19960405' in positions 1 through 8. The lilian date value in XDC3-LILIAN-DATE was set to '000151019' in positions 1 through 9.

The above specific dates are used to test the retention of inactive employees on the IVR database. Inactive employees are retained on the IVR History Files if their Hire Date is equal or greater than the current date and their Employee records have been changed within the last 30 days.

Verification

The employee's IVR History records are not deleted from the IVR History Files when all the following conditions are true:

- Employee has an Employment Status of 'I'
- The employee's Hire Date is equal or greater than the current date
- The employee's EDB records have not been updated in the last 30 days.

The IVR History records for inactive employee 900000001 were retained on the IVR (Employee, Dependent, Deduction) History files and IVR (Employee, Dependent, Deduction) Updates files.

Verify on the PPIIVR1 report (PDS REPORTS, member PRNTFIL1) for the following totals:
Final

1. The total number of deletes on the Employee History, Dependent History, and Deduction History files = 0.

2. The total number of deletes on the Employee Updates, Dependent Updates, and Deduction Updates files = 0.
IVR Extract File Process - (RUNIVR2)

Description

The input files for this job were created from previous job RUNIVR1.

Xpediter/TSO was used to run this job. The KEEP command was placed on Working Storage fields XDC3-GREGORIAN-CHAR and XDC3-LILIAN-DATE.

The Xpediter/TSO BEFORE (b) command was used to set a breakpoint to pause before execution of the following COBOL statement in section '10000-GENERAL-INITIALIZATION'.

'MOVE XDC3-GREG-MM TO WA-CURRENT-DATE-MM'.

Upon pausing, the date value in XDC3-GREGORIAN-CHAR was set to '19960505' in positions 1 through 8. The lilian value in XDC3-LILIAN-DATE was set to '000151049' in positions 1 through 9.

The above specific dates are used to test the retention of inactive employees on the IVR database. Inactive employees are deleted from the IVR History Files if their Hire Date is less than the current date and their Employee records have been unchanged for the last 30 days.

Verification

The employee's IVR History records are deleted from the IVR History Files when all the following conditions are true:

   Employee has an   Employment Status of 'I'
   
   The employee's Hire Date is equal or greater than the current date
   
   The employee's EDB records have not been updated in the last 30 days.

The IVR History records are deleted from the IVR History Files for an employee with an Employment Status of 'I', the employee's EDB records are not changed, the employee's Hire Date is less than the current date, and the employee is inactive for more than 30 days.

The IVR History/Updates records for inactive employee 900000001 were deleted from the IVR (Employee, Dependent, Deduction) History files and IVR (Employee, Dependent, Deduction) Updates files.

Verify on the PPIIVR1 report (PDS REPORTS, member PRNTFIL2) for the following totals:

IVR Extract File Process (RUNIVR1)
Final

1. The total number of deletes on the Employee History, Dependent History, and Deduction History files = 1, 1, and 5 respectively.

2. The total number of deletes on the Employee Updates, Dependent Updates, and Deduction Updates files = 1, 0, and 0 respectively.
IVR Extract File Process - (RUNIVR3)

Description

The input files to this job were created from previous job RUNIVR2.

This job is run to verify that the deleted Employee History record (from previous job RUNIVR2) for Employee ID 900000001 is not re-written to the IVR Employee History File.

Xpediter/TSO was used to run this job. The KEEP command was placed on Working Storage fields XDC3-GREGORIAN-CHAR and XDC3-LILIAN-DATE.

The Xpediter/TSO BEFORE (b) command was used to set a breakpoint to pause before execution of the following COBOL statement in section '10000-GENERAL-INITIALIZATION'.

'MOVE XDC3-GREG-MM TO WA-CURRENT-DATE-MM'.

Upon pausing, the date value in XDC3-GREGORIAN-CHAR was set to '19960506' in positions 1 through 8. The lilian value in XDC3-LILIAN-DATE was set to '000151050' in positions 1 through 9.

Verification

Verify that Employee ID 900000001 is not on the IVR Employee History File

Verify on the PPIIVR1 report (PDS REPORTS, member PRNTFIL3) for the following totals:

1. The total number of adds on the Employee History, Dependent History, and Deduction History files = 0, 0, and 0 respectively.

2. The total number of adds on the Employee Updates, Dependent Updates, and Deduction Updates files = 0, 0, and 0 respectively.
Benefits Documents to Employees - (RUN750)

Description

This job prints the (Benefits Documents to Employees) for selected employees.

Verification

The printing of the text for the 403(b) Maximum Annual Contribution amount the 'Retirement and Savings information section of both the (Summary of Retirement and Savings Program Information) and (Summary of UC Benefits Enrollment) has changed; the text (in program PPDXRETS) has been changed to 'Your 403(b) maximum annual contribution limit is'.

Verify that the text 'Your 403(b) maximum annual contribution limit is ' is displayed on the (Benefits Document to Employees) report in the 'Retirement and Savings information' section for the following employees (PDS REPORTS, member DOCRPT):

- Employee 000000001
- Employee 000050001
Annual UCRS History Update - (RUNI739)

Description

This annual job posts the X1 transactions (PDS CARDEXP, member MACT) containing 403(b) Maximum Annual Contribution (MAC) amounts to the EDB.

After the X1 403(b) Maximum Annual Contribution (MAC) file has been processed via the EDB File Maintenance Process, the same file is used to update each employee's equivalent 403(b) annual limit field on the UCRS History File. The appropriate input UCRS History File for PPI739 is the previous month's UCRS History File. A complete updated UCRS History File is written.

Verification

- Verify the following reports produced from PPI739:

  1. PPI7391 - Control Totals report (PDS REPORTS, member PPI7391):

     TOTAL X1 TRANSACTIONS READ: 31
     TOTAL UNMATCHED X1 TRANSACTIONS: 5
     TOTAL UCRS HISTORY RECS READ: 118
     TOTAL UNMATCHED UCRS HISTORY RECS: 86
     TOTAL UCRS HISTORY RECS UPDATED: 25
     TOTAL UCRS HIST RECS WRITTEN: 118

  2. PPI7392 - Employee ID numbers on the X1 Transactions File that couldn't be matched to an Employee ID on the UCRS History File are displayed on the PPPI7392 report. Verify that the following Employee ID numbers are displayed on this report (PDS REPORTS, member PPI7392):

     a. 700000001
     b. 901123699
3. PPI7393 - Employee ID numbers on the UCRS History File that couldn't be matched to Employee ID number on the X1 Transactions File are displayed on the PPI7393 report. (PDS REPORTS, member PPI7393):

- Verify that there are a total of 86 employees reported on this report.

4. PPI7394 - Standard Error report (PDS REPORTS, member PPI7394):

- Verify that the following Employee ID numbers are reported on this report:
  a. 000050004 - 73-907 ELEMENT NUM ON X1 NOT ASSOCIATED WITH 403(b) ANNUAL CONTR LIMIT
     73-910 403(b) MAC AMOUNT NOT NUMERIC
  b. 700000001 - 73-907 ELEMENT NUM ON X1 NOT ASSOCIATED WITH 403(b) ANNUAL CONTR LIMIT

- Verify the 403(b) Maximum Annual Contribution (MAC) amounts on the updated UCRS History File in columns 265 through 271 for each of the following employees:
  1. Employee 000050001 - 0361700 (MAC amount)
  2. Employee 000050002 - 0748900 (MAC amount)
  3. Employee 000050003 - 0000000 (MAC amount)
  4. Employee 000050006 - 0467800 (MAC amount)
  5. Employee 000050007 - 0950000 (MAC amount)
  6. Employee 000050127 - 0939900 (MAC amount)
Load Yearend EDB (LOADYRND)

Description

This job loads the EDB table with the 33 test tables sent with this release for calendar year-end setting of the 403(b) Maximum Annual Contribution (MAC) for the appropriate employees.

Verification

Verify that the job has run to completion with normal condition codes and that all 33 tables have been successfully loaded into the database.
Calendar Yearend Reset 403(b) MAC - (YREND)

Description

This job executes the calendar yearend process in the Periodic Monthly Maintenance.

The 403(b) MAC amounts are reset to 9500.00 for those employees with 403(b) MAC amounts (GTN 008-U) over 9500.00.

Verification

Verify on the PPP2501 reports (PDS REPORTS, member PPP2501E and PPP2501F) for the following employees:

- **Employee 000050006** - Before the Calendar Yearend Process ran, the employee's 403(b) MAC was 4,678.00 (PDS REPORTS, member PPP2501E).

  **Result**: After the Calendar Yearend Process, the employee's 403(b) MAC remained at 4,678.00 (PDS REPORTS, member PPP2501F).

- **Employee 000050007** - Before the Calendar Yearend Process ran, the employee's 403(b) MAC was 9,500.00 (PDS REPORTS, member PPP2501E).

  **Result**: After the Calendar Yearend Process, the employee's 403(b) MAC remained at 9,500.00 (PDS REPORTS, member PPP2501F).

- **Employee 000050015** - Before the Calendar Yearend Process ran, the employee's 403(b) MAC was 12,500.00 (PDS REPORTS, member PPP2501E).

  **Result**: After the Calendar Yearend Process, the employee's 403(b) MAC was set to 9500.00 (PDS REPORTS, member PPP2501F).

- **Employee 000050127** - Before the Calendar Yearend Process ran, the employee's 403(b) MAC was 12,500.00 (PDS REPORTS, member PPP2501E).

  **Result**: After the Calendar Yearend Process, the employee's 403(b) MAC was set to 9500.00 (PDS REPORTS, member PPP2501F).
EDB ENTRY/UPDATE (On-line)

Description

Even though the EPD/GLI Salary Base Derivation Process was tested via batch EDB File Maintenance, campuses may do additional testing of the EPD/GLI Salary Base Derivation Process via EDB Entry/Update, if desired. The following cases were used for testing the Salary Base Derivation Process via EDB Entry/Update at UCOP.

Verification

The test cases described below were developed based on Triggers, Employment Status, Benefits Eligibility Level Indicator (BELI), Distribution Begin/End Dates, Description Of Service (DOS) attributes, and Distribution Pay Rates.

- **Derivation Triggers**

  Derivation of the EPD and GLI Salary Base values are triggered whenever a change is made to one of the following data elements:

  - Benefits Eligibility Level Indicator-Assigned (EDB 0360), Description of Service Code (EDB 2056), Distribution Pay Begin Date (EDB 2053), Distribution Pay End Date (EDB 2054), Distribution Pay Rate (EDB 2055), EPD Waiting Period (EDB 0231), and GLI Plan Code (EDB 0276).

  1) Status Active, BELI = ‘4’, not enrolled in EPD or GLI, with at least one active distribution with a qualifying DOS Code.

     Change: Change the BELI from ‘4’ to ‘1’.

     **Expected Results:** Derivation of EPD and GLI Salary Base.

  2) Status Active, BELI = ‘1’, not enrolled in EPD or GLI, with at least one active distribution with a non-qualifying DOS Code.

     Change: Change the non-qualifying DOS Code to a qualifying DOS Code, ie, LSN to REG.
**Final**

**Expected Results:** Derivation of EPD and GLI Salary Base.

3) Status Active, BELI = '1', not enrolled in EPD or GLI, with two future distributions with a qualifying DOS Code (with the same distribution begin dates and different distribution pay rates), no active distribution.

   Change: Change one future distribution (one with lower pay rate) to a distribution that is active.

   **Expected Results:** Derivation of EPD and GLI Salary Base.

4) Status Inactive, BELI = '1', not enrolled in EPD or GLI, with one expired distribution with a qualifying DOS Code, no active distribution.

   Change: Change the expired distribution by extending the Distribution Pay End Date beyond the current date.

   **Expected Results:** Derivation of EPD and GLI Salary Base.

5) Status Active, BELI = '1', not enrolled in EPD or GLI, with one active distribution with a qualifying DOS Code.

   Change: Change the Distribution Pay Rate.

   **Expected Results:** Derivation of EPD and GLI Salary Base.

6) Status Active, BELI = '1', not enrolled in EPD or GLI, with one active distribution with a qualifying DOS Code.

   Change: Enter a value in the EPD Waiting Period and EPD Coverage Effective Date.

   **Expected Results:** Derivation of EPD and GLI Salary Base.

7) Status Active, BELI = '1', not enrolled in EPD or GLI, with one active distribution with a qualifying DOS Code.

   Change: Enter a value in the GLI Plan Code and GLI Coverage Effective Date.

   **Expected Results:** Derivation of GLI Salary Base and EPD Salary Base.

**Employment Status**

GLI and EPD Salary Base values should not be derived if the employee's employment status is 'Separated', regardless of other derivation criteria. Testing should be done to ensure that the salary base is NOT derived for a separated employee who passes all the other tests for derivation. Conversely, testing should be done to ensure that the salary base values ARE derived for employees with an employment status of 'Active', 'Inactive', 'Leave with Pay', or 'Leave Without Pay'.

1) Status Inactive, BELI = '1', not enrolled in EPD or GLI, with no active or future distributions, and
Final

with at least one expired distribution with a qualifying DOS code.

**Expected Result:** No derivation of EPD and GLI Salary Base.

2) Status Inactive, BELI = '1', not enrolled in EPD or GLI, with no active or expired distributions, and with at least one future distribution with a qualifying DOS code.

**Expected Result:** Derivation of EPD and GLI Salary Base.

3) Status Leave Without Pay, BELI = '1', not enrolled in EPD or GLI, with at least one active distribution with a qualifying DOS code.

**Expected Result:** Derivation of EPD and GLI Salary Base.

4) Status Leave With Pay, BELI = '1', not enrolled in EPD or GLI, with at least one active distribution with a qualifying DOS code.

**Expected Result:** Derivation of EPD and GLI Salary Base.

5) Status Leave Without Pay, BELI = '1', not enrolled in EPD or GLI, with no active or future distributions, and with at least one expired distribution with a qualifying DOS code.

**Expected Result:** No derivation of EPD or GLI Salary Base.

• **Benefits Eligibility Level Indicator (BELI)**

GLI and EPD Salary Base values should only be derived if the employee is eligible for the benefits as indicated by the value of the Benefits Eligibility Level Indicator, regardless of other derivation criteria. To be eligible for EPD, the employee's BELI value must be '1'. To be eligible for GLI, the employee's BELI value must be '1', '2', or '3'. Testing should be done to ensure that the salary base is NOT derived for an employee whose BELI does not qualify for the benefit, even if the EDB data passes all the other tests for derivation. Conversely, testing should be done to ensure that the salary base values ARE derived for employees with an employment status of 'Active', 'Inactive', 'Leave with Pay', or 'Leave Without Pay'.

1) Status Active, BELI already enrolled in EPD and GLI, with one active distribution with a qualifying DOS Code.

Change: Change distribution pay rate to a higher amount.

**Expected Results:** No re-derivation of EPD or GLI Salary Base.

2) Status Active, BELI = '1', not enrolled in EPD or GLI, with at least one active distribution with a qualifying DOS code.

**Expected Result:** Derivation of EPD and GLI Salary Base.

3) Status Active, BELI = '2', not enrolled in EPD or GLI, with at least one active distribution with a qualifying DOS code.
**Final**

**Expected Result:** Derivation of GLI Salary Base only (No derivation of EPD Salary Base)

4) Status Active, BELI = '3', not enrolled in EPD or GLI, with at least one active distribution with a qualifying DOS code.

**Expected Result:** Derivation of GLI Salary Base only (No derivation of EPD Salary Base)

5) Status Active, BELI = '4', not enrolled in EPD or GLI, with at least one active distribution with a qualifying DOS code.

**Expected Result:** No derivation of EPD and GLI Salary Base.

6) Status Active, BELI = '5', not enrolled in EPD or GLI, with at least one active distribution with a qualifying DOS code.

**Expected Result:** No derivation of EPD and GLI Salary Base.

• **Distribution Pay Begin/Pay End Dates**

The salary base derivation process for EPD and GLI selects distributions for consideration based on Distribution Begin Dates and Distribution End Dates. The derivation process should first determine if any active distributions exist. If there is one or more active distributions, all eligible current distributions should be used in the calculation of salary base. If no active distributions exist, the process should check to see if there are any future distributions. If there are future distributions, the process should determine the first future Distribution Begin Date and use all the eligible distributions with the same begin date in the calculation of the salary base. Expired distributions are ignored when determining the salary base. In testing the salary base derivation process, tests should be performed using combinations of current, future or expired distribution dates in order to verify that the derivation process selects the correct distribution. For example, in the case where no current distribution exists and where multiple future distributions exist, the system properly selects the correct earliest future distribution.

1) Status Active, BELI = '1', not enrolled in EPD or GLI, with active distribution with a qualifying DOS code, no future or expired distribution.

**Expected Results:** Derivation of EPD and GLI Salary Base.

2) Status Inactive, BELI = '1', not enrolled in EPD or GLI, with expired distribution with a qualifying DOS code, no future or active distribution.

**Expected Results:** No derivation of EPD and GLI Salary Base.

3) Status Inactive, BELI = '1', not enrolled in EPD or GLI, with future distribution with a qualifying DOS code, no active or expired distribution.

**Expected Results:** Derivation of EPD and GLI Salary Base.

4) Status Inactive, BELI = '1', not enrolled in EPD or GLI, with expired and future distribution (with different pay rates), each with a qualifying DOS code.
Final

**Expected Results:** Derivation of EPD and GLI Salary Base using only future distribution.

5) Status Inactive, BELI = '1', not enrolled in EPD or GLI, with multiple future distributions (with different pay begin dates and different pay rates), each with a qualifying DOS code.

**Expected Results:** Derivation of EPD and GLI Salary Base using only future distribution with earliest pay begin date.

6) Status Active, BELI = '1', not enrolled in EPD or GLI, with expired and active distribution, each with a qualifying DOS code (with different pay rates).

**Expected Results:** Derivation of EPD and GLI Salary Base using only active distribution.

7) Status Active, BELI = '1', not enrolled in EPD or GLI, with active and future distribution (future distribution with the higher rate).

**Expected Results:** Derivation of EPD and GLI Salary Base.

- **DOS Attributes**

  The salary base derivation process for EPD and GLI selects distributions for consideration based on attributes of the DOS Code associated with the distribution. To be eligible for consideration, the **DOS Insurance Benefits Code** for the DOS code must have a value of 'Y', indicating that the DOS Code should be used in the calculation of the salary base. If the DOS Code passes this first level test, then the process looks for specific combinations of DOS Pay Category, DOS Hours Code, and DOS Time Code to determine whether or not to include the distribution in the determination of salary base.

  The criteria are as follows:

  - The **DOS Insurance Benefits Code value** is 'Y' **AND one of the following is true:**
    - The Pay Category is 'N' and the Hours Code is 'R'
    - The Pay Category is 'N' and the Hours Code is blank
    - The Pay Category is 'D' (regardless of Hours Code or Time Code)
    - The Pay Category is 'S' and the Time Code is '1'
    - The Pay Category is 'S' and the Time Code is '8'
    - The Pay Category is 'S' and the Time Code is '9'

  1) Status Active, BELI = '1', not enrolled in EPD or GLI, no future distributions, one active distribution with a DOS Code with an Ins Ben Cd of 'N', but with a Pay Category/Hours Code/Time Code combination which is eligible.

    **Expected Result:** No derivation of EPD and GLI Salary Base.

  2) Status Active, BELI = '1', not enrolled in EPD or GLI, one active distribution with a DOS Code with an
Final

Ins Ben Cd of 'Y', Pay Category 'N', Hours Code 'R'.

Expected Result: Derivation of EPD and GLI Salary Base.

3) Status Active, BELI = '1', not enrolled in EPD or GLI, one active distribution with a DOS Code with an Ins Ben Cd of 'Y', Pay Category 'N', Hours Code 'blank'.

Expected Result: Derivation of EPD and GLI Salary Base.

4) Status Active, BELI = '1', not enrolled in EPD or GLI, one active distribution with a DOS Code with an Ins Ben Cd of 'Y', Pay Category of 'D'.

Expected Result: Derivation of EPD and GLI Salary Base.

5) Status Active, BELI = '1', not enrolled in EPD or GLI, one active distribution with a DOS Code with an Ins Ben Cd of 'Y', Pay Category of 'S', Time Code of '1'.

Expected Result: Derivation of EPD and GLI Salary Base.

6) Status Active, BELI = '1', not enrolled in EPD or GLI, one active distribution with a DOS Code with an Ins Ben Cd of 'Y', Pay Category of 'S', Time Code of '8'.

Expected Results: Derivation of EPD and GLI Salary Base.

7) Status Active, BELI = '1', not enrolled in EPD or GLI, one active distribution with a DOS Code with an Ins Ben Cd of 'Y', Pay Category of 'S', Time Code of '9'.

Expected Results: Derivation of EPD and GLI Salary Base.

8) Status Active, BELI = '1', not enrolled in EPD or GLI, one active distribution with a DOS Code with an Ins Ben Cd of 'Y', Pay Category NOT 'N' or 'S' or 'D', Hours Code of 'R' or 'blank'.

Expected Results: No derivation of EPD and GLI Salary Base.

9) Status Active, BELI = '1', not enrolled in EPD or GLI, one active distribution with a DOS Code with an Ins Ben Cd of 'Y', Pay Category 'N', Hours Code NOT 'R' and NOT 'blank'.

Expected Results: No derivation of EPD and GLI Salary Base.

10) Status Active, BELI = '1', not enrolled in EPD or GLI, one active distribution with a DOS code with an Ins Ben Cd of 'Y', Pay category of 'S', Time Code is NOT '1' and NOT '8' and NOT '9'.

Expected Results: No derivation of EPD and GLI Salary Base.

• Calculation of Salary Base

The salary base derivation process evaluates all the distributions which meet the selection criteria, collects three values: the highest Regular Pay, all Add On Pay, and the highest Differential Pay. Attributes of the DOS Table determine into which "bucket" the pay associated with the distribution be placed. The attributes for each category are:
Final

Regular Pay: Pay Category 'N' and Hours Code 'R'
               Pay Category 'S' and Time Code ‘1’

Add On Pay:  Pay Category 'N' and Hours Code 'blank'
               Pay Category 'S' and Time Code '9'

Differential Pay: Pay Category 'D'
                  Pay Category 'S' and Time Code '8'

Testing should be done to ensure that the correct distribution is selected as the 'highest' Regular Pay and included in the calculation, the correct distribution is selected as the 'highest' Differential Pay and included in the calculation, and that all Add On Pay is included. Combining various types of eligible DOS Codes, including more than one in each category, will be necessary to ascertain that the correct distribution is selected. Additionally, even though previous testing verified that distributions with ineligible DOS attributes are not selected for salary base derivation purposes, a couple of tests should combine eligible and ineligible DOS codes to ensure that the presence of an eligible DOS code does not result in including the ineligible DOS codes.

For purposes of the test situations outlined below, it will be assumed that the employment status is Active, the BELI is 1, and the employee is not currently enrolled in EPD or GLI. All DOS codes used will have an Insurance Benefits Code value of 'Y'.

1) Three eligible distributions, one from each of the categories.

   **Expected Result:** All three are used in the calculation of salary base.

<table>
<thead>
<tr>
<th>Dist #</th>
<th>Distr Status</th>
<th>Distribution</th>
<th>Distr Pay Rate</th>
<th>Expected Salary Base</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>current</td>
<td>Pay Cat = N Hours Cd =R</td>
<td>50.00/hr*</td>
<td>EPD</td>
</tr>
<tr>
<td>2</td>
<td>current</td>
<td>Pay Cat = N Hours Cd =blank</td>
<td>2.50*</td>
<td>GLI</td>
</tr>
<tr>
<td>3</td>
<td>current</td>
<td>Pay Cat = D</td>
<td>5.00/hr*</td>
<td></td>
</tr>
</tbody>
</table>

2) Six eligible distributions, two from each of the categories, each having different pay rates.

   **Expected Result:** The highest pay rate from the distributions with the 'Regular' DOS codes is used, the highest pay rate from the distributions with the 'Differential' DOS codes is used, and all the pay rates from the 'Add On' distributions are used.

<table>
<thead>
<tr>
<th>Dist #</th>
<th>Distr Status</th>
<th>Distribution</th>
<th>Distr Pay Rate</th>
<th>Expected Salary Base</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>current</td>
<td>Pay Cat = N Hours Cd =R</td>
<td>50.00/hr*</td>
<td>EPD</td>
</tr>
<tr>
<td>2</td>
<td>current</td>
<td>Pay Cat = N Hours Cd =blank</td>
<td>2.50*</td>
<td>GLI</td>
</tr>
<tr>
<td>3</td>
<td>current</td>
<td>Pay Cat = D</td>
<td>5.00/hr*</td>
<td></td>
</tr>
</tbody>
</table>
3) Six eligible distributions, two from each of the categories, where one from each of the categories is a 'suspense' type DOS.

**Expected Result:** The highest pay rate from the distributions with the 'Regular' DOS codes is used, the highest pay rate from the distributions with the 'Differential' DOS codes is used, and all pay rates from the 'Add On' distributions are used.

<table>
<thead>
<tr>
<th>Dist #</th>
<th>Distr Status</th>
<th>Distribution</th>
<th>Dos Attributes</th>
<th>Distr Pay Rate</th>
<th>Expected Salary Base</th>
</tr>
</thead>
<tbody>
<tr>
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<td>current</td>
<td>Pay Cat = N Hours Cd = R</td>
<td>50.00/hr</td>
<td>EPD</td>
<td></td>
</tr>
<tr>
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<td>current</td>
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<td>2.50*</td>
<td>GLI</td>
<td></td>
</tr>
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<td>5.00/hr</td>
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<td></td>
</tr>
<tr>
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<td>60.00/hr*</td>
<td>GLI</td>
<td></td>
</tr>
<tr>
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<td>current</td>
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<td>3.75*</td>
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</tr>
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PAN Notification On-line

Description

Modifications associated with triggering Pan Notification events were made to programs PPNTTRG and PPNTBENE.

1. A PAN Notification for BENE should not be triggered when the only change is on the employee's EPD Salary Base, and the employee is not enroll in EPD (EPD Waiting Period = '000').

   Similarly, a PAN Notification for BENE should not be triggered when the only change is on the employee's GLI Salary Base, and the employee's GLI Plan Code = blank or 'F'.

2. When a PAN Notification (BENE) is triggered, the literal '<none>' should be displayed on the PAN Notification (BENE) for an employee not enrolled in EPD.

Verification

1. Screen EINS displayed the following EPD values for an employee initially:

   a. EPD Waiting Period - blank
   b. EPD Salary Base - 7143
   c. EPD Coverage Date - blank

   The only change was on the EPD Salary Base value from 7143 to 2500. The Update Key (PF5) was pressed. Verify that a PAN Notification for BENE was not triggered.

   Screen EINS displayed the following GLI values for an employee initially:

   a. GLI Plan Code - blank
   b. GLI Salary Base - zero
   c. GLI Coverage Date - blank

   The only change was on the GLI Salary Base value from zero to 300. The Update Key was pressed. Verify that a PAN Notification for BENE was not triggered.

2. Screen EINS displayed the following EPD values for an employee initially:
Final

a. EPD Waiting Period - 007

b. EPD Salary Base - 7143

c. EPD Coverage Date - 010190

The EPD Waiting Period was blanked out, and the EPD Coverage Date was blanked out. The Update Key was pressed.

Verify on the PAN Notification for BENE that line 1 of the EPD data displayed the literal '<none>' for EPD Waiting Period.

Screen EINS displayed the following EPD values for an employee initially:

a. EPD Waiting Period - blank

b. EPD Salary Base - 25000

c. EPD Coverage Date - blank

The EPD Waiting Period was changed to 007, EPD Salary Base was changed to 7143, and the EPD Coverage Date was changed to 010190. The Update Key was pressed.

Verify on the PAN Notification for BENE that line 2 of the EPD data displayed the literal '<none>' for EPD Waiting Period.

3. Screen EINS displayed the following EPD and GLI values for an employee initially:

a. EPD Waiting Period - 007

b. EPD Salary Base - 7143

c. EPD Coverage Date - 010190

d. GLI Plan Code - 'F'

e. GLI Salary Base - not displayed

f. GLI Coverage Date - 040190

The EPD Salary Base was changed 2500. The Update Key was pressed.

Verify on the PAN Notification for BENE that line 1 of the GLI data displayed the literal 'Flat Cov' for GLI Plan Code, and the GLI Salary Base is not displayed.
**Screen EINS (EDB Entry/Update)**

*Description*

Screen EINS displays the appropriate insurance data for a selected employee.

Program PPWEINS was modified to display a blank GLI Salary Base on the EINS screen when the employee's GLI Plan Code is 'F' (flat).

*Verification*

Select an employee who has a GLI Plan Code (EDB 0276) value of 'F' on the EINS screen. Verify that a blank GLI Salary Base (EDB 0275) is displayed.
Screen ECEN (EDB Entry/Update)

Description

Screen ECEN displays the 403(b) Change Date (EDB 0279) data for a selected employee.

Verification

1. Access the On-line Application Main Menu.

2. Enter function EDB, and press Enter.

   Result: The Function Code Menu appears. There should be a PF8 Forward key for paging forward.

3. Press the PF8 key.

   Result: The ECEN function for selection should appear.

4. Enter ECEN and an Employee ID in the Next Func: and ID: fields respectively.

   Result: The selected employee should appear on the PPECEN0 (Central Office Information) screen. Standard Header information should appear on the top portion of the screen. The 403(b) Change Date value should appear in the detail portion of the screen. Standard Footer information should appear at the bottom portion of the screen.

5. Place the cursor on a space in the detail portion of the screen, and press PF1.

   Result: The EDBHECEN Helptext panel displaying the screen Helptext should appear.

6. Place the cursor on the 403(b) Change Date label or at the beginning of the 403(b) Change Date value.

   Result: The field Helptext for EDB 0279 should appear.

   The Header and Footer fields should have the standard Helptext like the other EDB Update screens.

7. Change the 403(b) Change Date value, and press PF5.

   Result: Message *U0007 Update process complete* should appear at the bottom of the screen.
Screens IINP and IINS (Inquiry)

Description

Screens IINP and IINS display the appropriate insurance data for a selected employee.

Programs PPWIINP and PPWIINS were modified to display a blank GLI Salary Base on the IINP and IINS screens when the employee's GLI Plan Code is 'F' (flat). In addition, the literal 'X annual' is not displayed on the IINP and IINS screens when an employee's GLI Plan Code is blank.

Verification

Select an employee who has a GLI Plan Code (EDB 0276) value of 'F'. Verify that a blank GLI Salary Base is displayed on the IINP screen and IINS screen.

Select an employee who has a blank GLI Plan Code. Verify that the literal 'X annual' is not displayed on the IINP and IINS screens.
Rush Checks On-line

Description

Functions OPT1 and OPT2 on the On-line Special Processes (SPCL) menu were selected to test the modifications to programs PPRCNET, PPRCOPT1, and PPRCOPT2.

Campuses can replicate the following tests:

Verification

- Employee 000000001 - This employee has no 403(b) Maximum Annual Contribution (MAC) calculated. This was verified by selecting Function IGTN; an amount for GTN number 008U was not displayed on the PPIGTN0 screen. Your campus may have a different GTN number defined for the 403(b) Maximum Annual Contribution field.

  1. Function OPT1 and Employee ID 000000001 were entered on the Special Processes - Transaction Menu (UCFM140).

  2. PF11 - (NextFunc) was pressed from the Special Processes - Rush Checks Opt1 Employee Data (PPRC100) screen.

  3. An AP (Advance Payment) transaction was entered for this employee on the Rush Checks Opt1 Earns & Deds (PPRC110) screen. PF5 - (Update) was pressed.

  4. From the Rush Checks Opt1 Employee Data (PPRC100) screen, message 40177 403(B) CAP EXCEEDED, NO DEDUCTION TAKEN was displayed.

- Employee 000050001 - This employee has a 403(b) Maximum Annual Contribution (MAC) amount of 500.00, and a YTD 403(b) value of 12500.00. These values were verified by selecting Function IGTN; an amount of 500.00 for GTN number 008U, an amount of 12500.00 for GTN number 008Y, an amount of 10.00 for GTN number 233G, amount of 200 for GTN 001G, and amount of 200 for GTN number 003G were displayed.

  1. Function OPT1 and Employee ID 000050001 were entered on the Special Processes - Transaction Menu (UCFM140).

  2. PF11 - (NextFunc) was pressed from the Special Processes - Rush Checks Opt1 Employee Data (PPRC100) screen.
Final

3. An AP (Advance Payment) transaction was entered for this employee on the Rush Checks Opt1 Earns & Deds (PPRC110) screen. PF5 - (Update) was pressed.

4. From the Rush Checks Opt1 Employee Data (PPRC100) screen, message 40177 403(B) CAP EXCEEDED, NO DEDUCTION TAKEN was displayed.

   ▼ Employee 000050004 - This employee has a 403(b) Maximum Annual Contribution (MAC) amount of 10000.00, and a YTD 403(b) value of 9500.00. These values were verified by selecting Function IGTN; an amount of 10000.00 for GTN number 008U, an amount of 9500.00 for GTN number 008Y, an amount of 10.00 for GTN number 232 were displayed.
   1. Function OPT1 and Employee ID 000050004 were entered on the Special Processes - Transaction Menu (UCFM140).
   2. PF11 - (NextFunc) was pressed from the Special Processes - Rush Checks Opt1 Employee Data (PPRC100) screen.
   3. An AP (Advance Payment) transaction was entered for this employee on the Rush Checks Opt1 Earns & Deds (PPRC110) screen. PF5 - (Update) was pressed.
   4. From the Rush Checks Opt1 Employee Data (PPRC100) screen, message P0501 Transaction successfully processed - reports sent to printer was displayed.
   5. An amount of 500.00 for GTN number 232 (TD-SAVING-%) was deducted, and reported on the Rush Checks Payroll Audit Report (PPRCAUDT1).

   ▼ Employee 000050006 - This employee has a 403(b) Maximum Annual Contribution (MAC) amount of 9500.00, and a YTD 403(b) value of 9500.00. These values were verified by selecting Function IGTN; an amount of 9500.00 for GTN number 008U, an amount of 9500.00 for GTN number 008Y, an amount of 10.00 for GTN number 234G, and an amount of 10.00 for GTN number 235G were displayed.
   1. Function OPT1 and Employee ID 000050006 were entered on the Special Processes - Transaction Menu (UCFM140).
   2. PF11 - (NextFunc) was pressed from the Special Processes - Rush Checks Opt1 Employee Data (PPRC100) screen.
   3. An AP (Advance Payment) transaction was entered for this employee on the Rush Checks Opt1 Earns & Deds (PPRC110) screen. PF5 - (Update) was pressed.
   4. From the Rush Checks Opt1 Employee Data (PPRC100) screen, message P0501 Transaction successfully processed - reports sent to printer was displayed.
   5. No 403(b) amounts for GTN number 234 (TD-EQUITY-%), and GTN number 235 (TD-GIC-%) were displayed on the Rush Checks Payroll Audit Report (PPRCAUDT1).

   ▼ Employee 222222222 - This employee is not on the EDB.
   1. Function OPT1 and Employee ID 222222222 were entered on the Special Processes - Transaction Menu (UCFM140).
Final

2. **PF11** - (NextFunc) was pressed from the Special Processes - Rush Checks Opt1 Employee Data (PPRC100) screen after entering the appropriate data.

3. An AP (Advance Payment) transaction was entered for this employee on the Rush Checks Opt1 Earnings & Deds (PPRC110) screen. **PF5** - (Update) was pressed.

4. From the Rush Checks Opt1 Employee Data (PPRC100) screen, message **P0501 Transaction successfully processed - reports sent to printer** was displayed.