Service Request 100456

RX TX One-time Lump Sum

Technical Specification

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Information Resources & Communications
Office of the President
University of California
Version History

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<th>Revised By</th>
<th>Reason for Change</th>
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<td>1.0</td>
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<td>Baskar Chitravel</td>
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<td>For each Title Code of an employee, apply the lowest percentage that we get for a</td>
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</tr>
</tbody>
</table>
# Table of Contents

Version History ......................................................................................................................... 1

1 Introduction .......................................................................................................................... 3
   1.1.1 Service Request 83848 .............................................................................................. 4

2 Overview of System Modifications ...................................................................................... 5

3 Design Considerations .......................................................................................................... 6
   3.1 Assumptions and Dependencies .................................................................................... 6

4 Testing Considerations ......................................................................................................... 7

5 Mainframe Design .................................................................................................................. 8
   5.1 Onetime Program ........................................................................................................... 8
      5.1.1 COBOL Program .................................................................................................... 8
      5.1.2 Bind Members ......................................................................................................... 25
      5.1.3 JCL Changes ......................................................................................................... 25

6 RX TX One-time Lump Sum – Unit Testing Requirements ..................................................... 26
   6.1.1 Run the Onetime Program ......................................................................................... 26

Attachments ............................................................................................................................ 33
   Attachment A – Electronic Tab-Delimited File Header (Column Heading) .......................... 33
   Attachment B – APP_ROW Details from PPPAPP Table .................................................. 33
   Attachment C – Employee Details from PPPPER table .................................................... 34
   Attachment D: DIS_ROW Cursor Definition for the Distribution Details ........................... 35
   Attachment E: Eligible Distributions Array Layout............................................................. 35
   Attachment F: ERN_ROW Cursor Definition for the PAR Earning Details ....................... 36
   Attachment G: FT Transaction File Record Layout ............................................................ 37
   Attachment H: Electronic Tab-Delimited File Record Layout ............................................. 38
   Attachment I: Costing File Record Layout ........................................................................... 39
1 Introduction

Service Request 100456 asks that a mechanism be developed to distribute onetime lump sum payments for eligible members of RX or TX bargaining unit.

The onetime program should be based on prior onetimes and it should do the following:

- Select non-separated employees (or separated after the program run date) and who have at least one EDB appointment (with a valid distribution) that is covered by the RX or TX.

- Sum eligible in-unit PAR earnings for eligible in-unit employees and calculate a lump sum payment as a percentage of those earnings.

- Consistent with how payments have been handled in prior UPTE lump sum payments, prorate the payments over current distributions.

- Create lump sum payment transactions for processing in the employee's primary payroll.

- Create a warnings and control totals file and a tab-delimited file detailing the payments.

- Using lump sum payment transactions, build costing transactions and create a costing file.
1.1.1 Service Request 83848

The following is a summary of the eligibility, lump sum calculations, and distribution details outlined in the SR100456. For more details, refer to the one-time program section of this document on the following pages.

To be eligible for Lump Sum payment, Employee Status values should be either ‘A’, ‘N’, or ‘P’. In addition, as of the Program Run Date, for the employee to be eligible for lump sum, at least one valid RX/TX covered EDB Appointment / Distribution combination exists.

Historical PARs should be used to calculate the appropriate amount of each lump sum payment. PAR earnings with a Pay Period End Date between December 22, 2013 and January 4, 2014 (January 18, 2014 for UCD) that satisfy the conditions below are eligible for the lump sum calculation:

PAR Earning Title Unit Code (TUC) equal to ‘RX’ or ‘TX’
AND
Representation Code equal to ‘C’
AND
PAR Primary Pay Schedule equal to ‘BW’
AND
PAR Transaction Pay Period End Date must be on or after 12/22/2013 and on or prior to 01/04/2014 (01/18/2014 for UC Davis)
AND
PAR DOS code with attributes that participate in the Retro Range Adjustment Process.

Each PAR earning amount collected as above is multiplied by a percentage varying from 0% - 4%, which is computed using the Pay Rate of the Max Step Rate of the PAR Title Code and maximum PAR Earning Pay Rate for that Title Code, to get the contribution amount by this PAR earning to the total lump sum amount paid.

The program should generate one-time (FT) transactions and sort the transactions into separate pay cycle (MO, MA, BW, and SM) files. Each FT transaction should contain LSP (‘Lump Sum Payment - Base-Building’) as the DOS code. The Pay Period End Date of the transactions should coincide with the end date of the primary pay cycle in which the payment is issued.

In addition, the reports of payment and error, standard costing transactions, and tab-delimited file with the lump sum details should be generated for the proportional distribution of lump sum across an employee’s FAUs.
2 Overview of System Modifications

One-time Process

The purpose of this process is to generate one-time lump sum payment of up to 4% of the PAR eligible earnings for all eligible RX or TX unit employees.

Non-separated BW employees who have at least one appointment covered by the RX or TX bargaining units will be selected for further eligibility screening of their appointments and distributions as described below:

- Select all the appointments that have the following criteria:
  - Appt Title unit code of ‘RX’ or ‘TX’
  - Appt representation code of ‘C’
  - Appt begin date on or prior to run date
  - Appt end date on or later than run date of the program
  - At least one distribution present with the below criteria:
    - Dist End Date of on or after program run date
    - Dist Begin Date of on or before program run date
    - Dist Percent greater than zero
    - Dist DOS Code with the attributes that satisfy all of the below conditions:
      - DOS hours code of ‘R’

- For each selected appointment of an employee above that has at least one valid distribution, build the array of Eligible Distributions using the EDB appt / distribution details.

- If the number of rows, in the array of Eligible Distributions, is one or more, then collect the PAR Earning Amount. For more details, refer to the one-time program section of this document on the following pages.

- If the total lump sum amount is zero, then skip this employee to process the next employee. Otherwise, proceed further to create the FT transactions and other reports.

- From the Eligible Distributions array and total PAR Earning Amount above,
  - Calculate the FT distribution amount for each distribution in that group by using the total PAR Earning Amount, dist %, and total %.
  - If the FT distribution amount is more than zero, create the FT transaction, electronic tab-delimited file records, and costing transaction file records.

Note:

Since FT transactions are grouped into 4 possible pay schedules (MO, MA, BW, and SM) of the employees, there are 4 FT transaction files produced. Depending upon the current primary pay schedule of the employee, all the FT transactions for that employee will be written into the dedicated FT transaction file of that pay schedule.

The process will produce standard costing transactions from the lump sum payments.

The one-time program will produce a report of the total of all lump sums paid and any warning messages.

A new plan bind member and a sample JCL member for the one-time program will be created.
3 Design Considerations

3.1 Assumptions and Dependencies

Following are the assumptions made, while designing the onetime program:

- Campus Control Record (PPPCCR) table is accessed for the location indicator to set the Pay Period End Date for PAR earnings.
- Sequential PAR files should be loaded (using program PPP465) into the PAR DB2 database tables, since the PPPERN and PPPEUD PAR tables are accessed by the onetime.
- The batch header record of each of the FT output transaction files will be set to ‘599’ (stored in work field ‘BATCH-HD-NUMBER’).
- Each FT transaction will assign ‘LSP’ as the DOS code value and May 31, 2014 as the Pay Period End Date for all Pay Schedules except Bi-Weekly schedule (May 10, 2014) and Semi-Monthly (May 15, 2014).
- ‘A’, ‘N’, or ‘P’ are the Employee Status values that are eligible for Lump Sum payment.
- Only employees with BW Primary Pay Schedule on pay period of 12/22/14 – 1/1/14 (01/18/2014 for UC Davis) are eligible for lump sum payment.
- As of the Program Run Date, for the employee to be eligible for lump sum, at least one valid RX/TX covered EDB Appointment / Distribution combination exists.
- Onetime program will be based on the onetimes from R1977 (UPTE RX/TX Lump Sum).
- Lump sum payments will be prorated over current distributions.
- Lump Sum percentage varies from 0% to 4% depending on the highest PAR earning Pay Rate of the Title Code and Max Pay Rate of the Title Code’s highest step.
- Lump Sum Percentage is defaulted to 4%, if any one of the below Title Code Utility (PPTCTUTL) output conditions is not satisfied:
  - Bad Return Code from Title Code Utility (PPTCTUTL)
  - Title is not a Step Based Title (TSL Lookup Code not ‘S’)
  - Step Rates not established for the Title
4 Testing Considerations

- Since the requirement for PAR PPE Date of UC Davis is different from other campuses, testing with UC Davis data should be considered.

- Since Lump Sum percentage varies from 0% to 4% depending on the highest PAR earning Pay Rate of the Title Code, make sure few of the earnings' pay rates are within a 4% range and / or greater than maximum Pay Rate of the Title Code's highest step.

- By inputting one of the FT transactions file produced by the onetime program, running a BW compute is needed to make sure that all the transactions are posted correctly.

- Testing with the base environment is required.

- Comprehensive QA and UAT testing setup and support are required.
5 Mainframe Design

5.1 Onetime Program

5.1.1 COBOL Program

5.1.1.1 PPOTRRRR

This one-time program will be developed to generate FT transactions for the lump sum payment out of the eligible PAR earnings, pro-rated among the distribution FAUs, for all eligible RX or TX unit employees.

Each eligible PAR earning will be multiplied by the lump sum percentage obtained from the Title Code Table lookup to arrive at the lump sum amount that will be added to the total employee's lump sum amount.

It will produce a tab-delimited electronic file with the payment details of each employee receiving the lump sum payment. In addition, one-time program will produce a standard costing transactions file for costing processing and warnings/control report for printing the error messages as well as the statistical details of the onetime program run.

Onetime Program Logic:

A. Initialization of the one-time program:

- Get the current date from the system and initialize the program run date (used in the distributions selection).

- Initialize the warning and control report headers.

- Get the campus location from PPPCCR table (change ‘A’ to ‘97’ and ‘H’ to ‘98’) and initialize the BW Cycle Pay Period End Date (default 010/4/2014) for UC Davis to ‘01/18/2014’.

- Open the FT transaction files for MO, BW, MA, and SM and write the batch header record (batch no: ‘599’).

- Open the Costing transaction and electronic tab-delimited files. In addition, write the electronic tab-delimited file header record (Column Heading - attachment A).

- Open the APP_ROW cursor that selects appt details (attachment B) from PPAPP in the employee ID and appt number order when all of the following conditions are satisfied:
  - Title Unit Code (EDB2029) of ‘RX’ or ‘TX’
  - Appt Rep Code (EDB2031) of ‘C’
  - Appointment Begin Date (EDB2002) should be less than or equal to the program run date
  - Appointment End Date (EDB2003) should be greater than or equal to the program run date
B. Screen the current APP.Row and employee:

Fetch the next row in the APP_ROW cursor, which is defined to select the details (described in attachment B) from PPPAPP table for the current employee.

If the APP_ROW cursor is at the end (no more rows found), then close the APP_ROW cursor and go to the last step (step E) to perform final tasks before ending the one-time program.

If the employee ID of the current APP_ROW is not the same as the previous employee ID, and the current APP_ROW is not the first record (no previous employee ID), perform step D to pay the current employee before processing the APP_ROW of the next employee.

If the fetch yields a valid appointment row, then

- If the fetched appointment row is the first row for an employee, then do the following:
  - Get the Employee Details (attachment C) from the PPPPER table.
  - Get the Employee’s Primary Pay Schedule and Minimum Record Flag from the PPPPCM table. If the Minimum Record Flag is on, then write an error message to warning and control report.

- Go back to step B to fetch the next row in the APP_ROW cursor and repeat the processing, if any of the following conditions is satisfied:
  - Separation Date (EDB0140) is not a low date, but it is earlier than the Program Run Date
  - Employee Status (EDB0144) is ‘S’ or ‘I’
  - Primary Pay Schedule Code (EDB0152) is not ‘BW’

- Increment the appt count by 1.

- Perform the next Step (Step C), which is the distribution related processing for the current APP_ROW record
C. Screen the DIS_ROW and build Eligible Distributions array for an employee:

- Open and fetch the DIS_ROW cursor, which is defined to select the details (described in attachment D) from PPPDIS table for the current employee and appointment that satisfies all of the following conditions:
  - Pay Begin Date (EDB2053) should be less than or equal to the current date
  - Pay End Date (EDB2054) should be greater than or equal to the current date
  - Distributions Percent is greater than zero (positive dist %)
  - Distribution DOS (EDB2056) is not equal to ‘RTP’ and satisfy the following additional condition:
    - DOS Hours Code is ‘R’ on the PPPDOS table for the Distribution DOS

- If the DIS_ROW fetch yields no distribution row (no records selected), then close the DIS_ROW cursor and go back to the previous step (step B) to fetch the next row in the APP_ROW cursor and repeat the processing.

- For each valid DIS_ROW fetch, repeat the steps below, until the DIS_ROW cursor is at the end (no row):
  - Build the next row in the array of Eligible Distributions for an employee as below:
    - In the array of Eligible Distributions, search for a matching record with the same incoming Appt Title, Appt Rep Code, Appt Type, Dist FAU, and Dist Unit Code.
    - If a match found, add the dist % with the matched record’s dist %
    - If no match found in the existing array using the incoming sort key details listed above,
      - Add 1 to the dist count.
      - Build the next Eligible Distributions row as described in attachment E.
    - Add the dist % to calculate the total % of all the eligible distributions.
    - Fetch the next valid DIS_ROW cursor record.

- Close the DIS_ROW cursor and go back to the previous step (step B) to fetch the next row in the APP_ROW cursor.
D. Processing for the previous employee when employee ID change:

If the number of rows, in the array of Eligible Distributions is greater than zero, then calculate the PAR Earning Amount from the PPPERN PAR Earnings Table for the previous employee as below:

**Open and Fetch ERN_ROW cursor**

Open and fetch the ERN_ROW cursor, which is defined to select the earning details (attachment F) from PPPERN table for the previous employee in Title Code order that satisfies all of the following conditions:

- Earning Record Type is not equal to ‘65’ (Type ‘65’ is expense transfer PAR type)
- Earning Title Unit Code is ‘RX’ or ‘TX’
- Earning Appt Representation Code is ‘C’ (Covered)
- Earning Paid Amount is not equal to zero
- Earning Pay Schedule is ‘B’ (Bi-Weekly)
- Earning Pay Period End Date is on or later than the range begin date of 12/22/2013
- Earning Pay Period End Date is on or prior to the range end date of 01/18/2014 (UCD) or 01/04/2014 (other campuses)
- DOS Range Adjustment Indicator is ‘Y’ on the PPPDOS table for the Earning Dist DOS
- Employee Primary Pay Schedule (PRI_PAY_SCHED) is ‘BW’ on the PPPEUD table referenced by the following foreign key combination of PPPERN table:
  ```
  Pay Cycle End Date       (PAY_CYCLE_END_DATE)
  Pay Cycle Code           (PAY_CYCLE_CODE)
  Employee ID              (EMPLOYEE_ID)
  Record Type              (RECORD_TYPE)
  Primay Gross Control Number (PRI_GROSS_CTL)
  ```

**Calculate Lump Sum Amount from fetched ERN_ROW cursor records**

For each valid ERN_ROW fetch, perform the following steps:

- Using the stored procedure PPTCTSP2 as an example, using the following ERN_ROW values as input, call the Title Code Tables utility program PPTCTUTL (set XTCL-EVENT-CODE = XTCL-FRAME-REGULAR-RATE call):
  ```
  o Appt Rep Code     \(\rightarrow\) APPT_REP_CODE \(\Rightarrow\) XTCL-CHOSEN-PAY-REP-CODE (‘COV’)
  o Title Code        \(\rightarrow\) TITLE_CODE  \(\Rightarrow\) XTCL-CHOSEN-TITLE-CODE
  o Run Date(USA fmt) \(\rightarrow\) PGM-RUNDT-USA \(\Rightarrow\) XTCL-READ-CHOSEN-DATE (fmt USA - MM/DD/CCYY)
  o Sub Location      \(\rightarrow\) ERN_SUB_LOCATION \(\Rightarrow\) XTCL-CHOSEN-SUB-LOCATION
  ```
Move 4% to Lump Sum %, if any one of the below PPTCTUTL output conditions is not satisfied:

- PPTCTUTL Return Code (XTCL-STATUS-CODE) should be normal (XTCL-STATUS-NORMAL-END is true)
- Title Rates should exist in TCT tables (XTCL-TITLE-RATES-FOUND)
- Rate Lookup Code in PPPTSL for the covered Title should be 'S' (XTCL-TSL-RATE-LOOKUP-CODE (1) = 'S')
- Number of Pay Intervals in PPPTSB table for the covered Title should be greater than zero (XTCL-TSB-NO-PAY-INTRVLS (1) > 0)
- No. of Steps in PPPTSB table for the covered Title should be greater than zero (XTCL-TSB-NO-STEPS (1) > 0)
- Rate Type Code (RATE-TYPE-CODE) should be '2' (Pay period pay rate) or '4' (Hourly pay rate)
- Rate Type Code (RATE-TYPE-CODE) is '2' (Pay period pay rate) and Pay Cycle Code (PAY-CYCLE-CODE) is in ('M', 'B', or 'S')

If all of the above conditions are satisfied, calculate the Lump Sum % using the PAR Rate and the Maximum Step Rate by following the details below:

Using Earning Pay Cycle Code (PAY_CYCLE_CODE), Earning Rate Type (RATE_TYPE_CODE), and Earning Pay Rate (DIST_PAYRATE), calculate the Hourly Rate or Annual Rate as below:

IF RATE-TYPE-CODE = '4'

Calculate Lump Sum % = 0, if DIST-PAYRATE is greater than or equal to XTCL-HR-RATE (XTCL-TSB-NO-PAY-INTRVLS (1));

Otherwise, calculate the percentage that makes DIST-PAYRATE equal to XTCL-HR-RATE (XTCL-TSB-NO-PAY-INTRVLS (1)), up to a maximum of 4%

ELSE

Depending on Pay Cycle Code (PAY_CYCLE_CODE), calculate the Earning Annual Salary Rate by multiplying DIST-PAYRATE with 12 (PAY-CYCLE-CODE = 'M') or 24 (PAY-CYCLE-CODE = 'S') or 26 (PAY-CYCLE-CODE = 'B').

Calculate Lump Sum % = 0, if Earning Annual Salary Rate is greater than or equal to 12 * XTCL-MO-RATE (XTCL-TSB-NO-PAY-INTRVLS (1));

Otherwise, calculate the percentage that makes Earning Annual Salary Rate equal to 12 * XTCL-MO-RATE (XTCL-TSB-NO-PAY-INTRVLS (1)), up to a maximum of 4%

END-IF

For a Title Code, Accumulate the Paid Amount for a Title Code and store the Lowest Percentage.

At the Title Code break, do the following:

Compute PAR Lump Sum = Total Title Code Earning Paid Amount * Lowest Lump Sum %

Add the PAR Lump Sum to calculate the total Lump Sum for the employee.

Fetch the next ERN_ROW record. If the ERN_ROW cursor is at the end (no more rows found), then close the ERN_ROW cursor and go to the next step to distribute the total Lump Sum to each row in the array of Eligible Distributions built earlier for the employee.

However, if the fetch yields a PAR Earning row, then repeat the above steps performed for a valid ERN_ROW record.
Distribute the total Lump Sum to each row in the array of Eligible Distributions (built in Step C)

If the total Lump Sum is non-zero for this employee, then for each row in the array of Eligible Distributions (until dist count), the steps below are executed:

- Select Home Department Name from PPPHME table with the Home Department Number as input
- Calculate the FT amount distributed for each FAU out of the total Lump Sum as below:
  - FT payment amount = dist % * total Lump Sum / total %
    - Note: For rounding and to limit the max distributed amount to total Lump Sum, the last FT amount will be total Lump Sum less the cumulative payment of all the previous FT amounts.
  - If the FT amount is negative, write an error into the control report with the FT payment details.
  - If the calculated FT payment amount is greater than zero, then create the following:
    - FT transaction (layout - attachment G) and write it into one of the files for MO, BW, MA, and SM cycles depending on employee’s Primary Pay Schedule.
    - Elec. tab-del file record (layout - attachment H) and Costing file record (layout - attachment I).

Get ready for the next employee

Initialize appt count, dist count, total Lump Sum, and total percent.

E. Final tasks before ending the one-time program:

- Create the FT transaction (record layout in attachment G), electronic tab-delimited file records (record layout in attachment H), and costing file record (record layout in attachment I) for the last employee.

- Write the following statistics into the warnings and control report file:
  - FT one-time pay records written for MO, BW, MA, and SM cycles
  - Total Payments issued details


- One-time program ends.
This onetime program should be based on the onetime program PPOT1977 that was written in to pay lump sum amount to RX / TX members in 2011.

The changes needed in the R1977 onetime program are as below:

1. As per PPS Standard, throughout the new onetime program, change the release number, SR number, dates, A-STND-PGM-ID, and all the documentations to reflect the current changes.

2. Input TUC / Title and Percent File (TUC-TITLE-PC) is not used and so remove all the references to this file and the logic associated with this file, found in the following sections:

   INPUT-OUTPUT SECTION. → Declaration of TUC-TITLE-PC in FILE-CONTROL

   FILE SECTION. → FD declaration and the record definition details for TUC-TITLE-PC

   WORKING-STORAGE SECTION.

   → Under MISC-WORK, the declaration of TUC-TITLE-PC-SW and its 88 level

   → All record layout of WS-IN-TUC-TITLE-PC. and INPUT-PERCENTS.

   → PA-DEFAULT-INPUT-RX, and PA-DEFAULT-INPUT-TX

MAIN-0001 SECTION. → Close file TUC-TITLE-PC

1000-INITIALIZATION SECTION. → Close file TUC-TITLE-PC and perform 1100-BUILD-TUC-TITLE-PC-ARRAY

Whole paragraph (with their –EXIT as well) 1100-BUILD-TUC-TITLE-PC-ARRAY and 1200-MOVE-TUC-TITLE-PERCENT-PA

3. Change the default values for the following fields in working storage section:

   05 B-CYC-BEG-PPE-ISO PIC X(10) VALUE ‘2013-12-22’.

   05 B-CYC-END-PPE-ISO PIC X(10) VALUE ‘2014-01-04’.
4. **Declare** a new PAR Eligibility Flag that will be used to set whenever the employee had at least one valid earning between Dec 22, 2013 and Jan 04, 2014, default of Not Eligible, as below:

```
05 WS-PAR-ELIGIBLE-FLAG PIC X(1) VALUE 'N'.
88 WS-PAR-ELIGIBLE VALUE 'Y'.
88 WS-PAR-NOT-ELIGIBLE VALUE 'N'.
```

Also, since we are going to move PAY-AMT (S9(7)V99 COMP-3) and ED-PERCENT (S9V9(5)) for display, define the following display fields

```
05 WS-PAY-AMT-DISP PIC ZZZZZZ.99.
05 WS-ED-PCT-DISP PIC Z.99999.
```

In addition, in the working storage, add temporary fields to store the Title Code, Lowest Percentage, and Total Paid Amount for the Current Title Code, as below:

```
05 WS-TITLE-LOW-PCT PIC S9V9(5) VALUE ZERO COMP-3.
05 WS-TITLE-PAID-AMT PIC S9(7)V9(2) VALUE ZERO COMP-3.
05 WS-PAR-CURR-TITLE PIC X(4) VALUE SPACES.
```

5. In the SQL Working Storage area, include the EUD-ROW for getting Primary Pay Schedule associated with the PPPERN row, as below:

```
01 EUD-ROW.
   EXEC SQL
   INCLUDE PPPVZEUD
   END-EXEC.
```

6. In the Working Storage Section, **remove** the following 4 fields for Begin/End date window in ERN_ROW for Monthly/Semi-Monthly PAY_SCHED_CODE:

- Semi-Monthly Cycle Begin / End Date → **S-CYC-BEG-PPE-ISO** and **S-CYC-END-PPE-ISO**
- Monthly Cycle Begin / End Date → **M-CYC-BEG-PPE-ISO** and **M-CYC-END-PPE-ISO**
7. In the WHERE clause of ERN_ROW cursor declaration remove their references:

    In addition, add ORDER BY TITLE_CODE clause as well.

WHERE EMPLOYEE_ID       = :WS-EMPLOYEE-ID
AND RECORD_TYPE       <> '65'
AND TITLE_UNIT_CODE   IN ('RX', 'TX')
AND APPT_REP_CODE     = 'C'
AND PAID_AMT          <> 0
AND PAY_SCHED_CODE    = 'B'
AND PAY_PER_END_DATE  >= :B-CYC-BEG-PPE-ISO
AND PAY_PER_END_DATE  <= :B-CYC-END-PPE-ISO
    AND (
        (PAY_SCHED_CODE   = 'M' AND
         PAY_PER_END_DATE  >= :M-CYC-BEG-PPE-ISO AND
         PAY_PER_END_DATE  <= :M-CYC-END-PPE-ISO)
        OR
        (PAY_SCHED_CODE   = 'B' AND
         PAY_PER_END_DATE  >= :B-CYC-BEG-PPE-ISO AND
         PAY_PER_END_DATE  <= :B-CYC-END-PPE-ISO)
        OR
        (PAY_SCHED_CODE   = 'S' AND
         PAY_PER_END_DATE  >= :S-CYC-BEG-PPE-ISO AND
         PAY_PER_END_DATE  <= :S-CYC-END-PPE-ISO)
    )
AND DIST_DOS          IN
    (SELECT DOS_EARNINGS_TYPE
        FROM PPPVZDOS_DOS
        WHERE DOS_RANGE_ADJ_IND = 'Y')
ORDER BY TITLE_CODE
8. In the SELECT clause of **ERN_ROW cursor declaration**, add all the columns to be selected as per the Attachment A, as below:

```
PAY_CYCLE_END_DATE
PAY_CYCLE_CODE
EMPLOYEE_ID
RECORD_TYPE
PRI_GROSS_CTL
PAY_SCHED_CODE
DIST_DOS
APPT_REP_CODE
TITLE_UNIT_CODE
TITLE_CODE
PAID_AMT
PAY_PER_END_DATE
ERN_SUB_LOCATION
RATE_TYPE_CODE
DIST_PAYRATE
```

9. In **9600-FETCH-ERN-ROW-CURSOR SECTION**, do the following:

- In the EXEC SQL statement, where all the fields in the SELECT clause of ERN_ROW cursor declaration are fetched, add all the **host** variables from ERN-ROW INCLUDE that matches with the columns selected as above (per Attachment A):

```
:ERN-ROW.PAY-CYCLE-END-DATE
:ERN-ROW.PAY-CYCLE-CODE
:ERN-ROW.EMPLOYEE-ID
:ERN-ROW.RECORD-TYPE
:ERN-ROW.PRI-GROSS-CTL
:ERN-ROW.PAY_SCHED-CODE
:ERN-ROW.DIST_DOS
:ERN-ROW.APPT_REP_CODE
:ERN-ROW.TITLE_UNIT_CODE
:ERN-ROW.TITLE_CODE
:ERN-ROW.PAID_AMT
:ERN-ROW.PAY_PER_END_DATE
:ERN-ROW.ERN_SUB_LOCATION
:ERN-ROW.RATE_TYPE_CODE
:ERN-ROW.DIST_PAYRATE
```
After a successful ERN_ROW fetch (i.e. SQLCODE = ZERO), perform a new section called 9675-SEL-PRI-PAY-SCHED-EUD, as below:

```
IF SQLCODE = +100
  SET ERN-ROW-EOF TO TRUE
ELSE
  IF SQLCODE = ZERO
    PERFORM 9675-SEL-PRI-PAY-SCHED-EUD
  END-IF
END-IF.
```

10. Define a new SECTION 9675-SEL-PRI-PAY-SCHED-EUD, which will be coded to SELECT PRI_PAY_SCHED from PPPEUD that is the parent table for PPPERN by matching with the following key values:

<table>
<thead>
<tr>
<th>Key Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAY_CYCLE_END_DATE</td>
<td>- Pay Cycle End Date</td>
</tr>
<tr>
<td>PAY_CYCLE_CODE</td>
<td>- Pay Cycle Code</td>
</tr>
<tr>
<td>EMPLOYEE_ID</td>
<td>- Employee ID</td>
</tr>
<tr>
<td>RECORD_TYPE</td>
<td>- Record Type</td>
</tr>
<tr>
<td>PRI_GROSS_CTL</td>
<td>- Primary Gross Control Number</td>
</tr>
</tbody>
</table>

The selection SQL will look like the one below:

```
SELECT PRI_PAY_SCHED INTO :EUD-ROW.PRI-PAY-SCHED
FROM PPVZEUD_EUD
WHERE PAY_CYCLE_END_DATE = :ERN-ROW.PAY-CYCLE-END-DATE
  PAY_CYCLE_CODE = :ERN-ROW.PAY-CYCLE-CODE
  EMPLOYEE_ID = :WS-EMPLOYEE-ID
  RECORD_TYPE = :ERN-ROW.RECORD-TYPE
  PRI_GROSS_CTL = :ERN-ROW.PRI-GROSS-CTL
```

After a successful select (SQLCODE of ZERO), return back; all other codes, including +100, are not good and so exit the program with an abend.

**Note:** The Employee Primary Pay Schedule (EUD-ROW.PRI-PAY-SCHED) value will be checked for 'BW' in 5700-CALC-LSUM-FROM-PAR-EARN for the earning to be eligible for lump sum calculation.
11. In 1500-READ-CAMPUS-CONTROL-REC SECTION, change the B-CYC-END-PPE-ISO to Jan 18, 2014 for UC Davis as below:

    IF SQLCODE = 0
    IF CCR-LOCATION = '03'
        MOVE '2014-01-18' TO B-CYC-END-PPE-ISO
    END-IF

    IF CCR-LOCATION = 'A'
        MOVE '97' TO CCR-LOCATION
    ELSE

12. The variable PPE-DT-FT-CTS (MMDDYY format) is used to populate the Pay Period End Date in each FT and Costing transaction. In 9000-SEL-PER-AND-PCM-EMP-DTLS SECTION, change the values going into PPE-DT-FT-CTS as below:

    IF SQLCODE = ZERO
        MOVE MIN-RCD-FLAG TO WS-MIN-RCD-FLAG
    .

    *---> Begin/End date in ISO AND Costing/FT Pay Period End date
    IF PRI-PAY-SCHED = 'BW'
        MOVE '0510142811' TO PPE-DT-FT-CTS
    ELSE
        IF PRI-PAY-SCHED = 'SM'
            MOVE '0515143111' TO PPE-DT-FT-CTS
        ELSE
            MOVE '05311463011' TO PPE-DT-FT-CTS
        END-IF
    END-IF
    END-IF
    ELSE
13. In 5000-PROCESS-LAST-EMPL SECTION, set WS-PAR-NOT-ELIGIBLE to TRUE, before performing 5500-PAR-LOOKUP-FOR-EARN-AMT, which sets WS-PAR-ELIGIBLE to TRUE, if at least one eligible PAR Earning present between 12/22/2013 to 01/04/2014.

In addition, check if WS-PAR-ELIGIBLE is TRUE before processing the lump sum for this employee, as below:

```plaintext
MOVE ZEROES TO PAY-AMT
SET WS-PAR-NOT-ELIGIBLE TO TRUE
PERFORM 5500-PAR-LOOKUP-FOR-EARN-AMT
IF PAY-AMT = ZERO OR WS-PAR-NOT-ELIGIBLE
  GO TO 5000-EXIT
END-IF.
```

Go through the ED-ARRAY and check to make sure that all the values of ED-PERCENT are positive. However, if at least one negative ED-PERCENT found, then print an error for the employee with the Lump Sum Amount details, as velow:

```plaintext
MOVE SPACES TO WS-MATCH-SW
IF ED-CNT > 0
  PERFORM VARYING EDIX FROM 1 BY 1
    UNTIL EDIX > ED-CNT OR WS-MATCH-FOUND
    IF ED-PERCENT(EDIX) < 0
      SET WS-MATCH-FOUND TO TRUE
    END-IF
  END-IF
END-IF
```

```plaintext
*---> NO FT AND WRITE AN ERROR, IF NEGATIVE ED PERCENT FOUND
```

```plaintext
IF WS-MATCH-FOUND
  MOVE PAY-AMT TO WS-PAY-AMT-DISP
  MOVE ED-PERCENT (EDIX-1) TO WS-ED-PCT-DISP
  STRING 'PAYMENT NOT CREATED DUE TO NEGATIVE AMT/PERCENT; EMP '
    WS-EMPLOYEE-ID '; LUMP SUM PAY ' WS-PAY-AMT-DISP
  DELIMITED BY SIZE INTO PRTERR-MESS
  STRING 'TTL ' EA-TITLE (EDIX - 1) '; APPTYP ' EA-TYPE (EDIX - 1) '; FAU ' ED-FAU (EDIX - 1)
    '; ED PERCENT ' WS-ED-PCT-DISP
  DELIMITED BY SIZE INTO PRTERR-REF
  PERFORM 9900-ERROR-PRINT
  GO TO 5000-EXIT
END-IF
```
14. In 5700-CALC-LSUM-FROM-PAR-EARN SECTION, remove the existing logic and rewrite a new logic. The details are below:

a. The Employee Primary Pay Schedule (EUD-ROW.PRI-PAY-SCHED) value should be checked for 'BW' here for the earning to be eligible for lump sum calculation, as below:

   IF PRI-PAY-SCHED of EUD-ROW NOT = 'BW'
      GO TO 5700-EXIT
   END-IF

b. Set WS-PAR-ELIGIBLE to TRUE, if any of the Pay Period End Date is on or prior to '2014-01-04' as below:

   IF WS-PAR-NOT-ELIGIBLE AND (PAY-PER-END-DATE of ERN-ROW <= '2014-01-04')
      SET WS-PAR-ELIGIBLE TO TRUE
   END-IF

c. Using the stored procedure PPTCTSP2 (00000-MAIN SECTION) as an example, using the following ERN_ROW values as input, call the Title Code Tables utility program PPTCTUTL:

   SET XTCL-FRAME-REGULAR-RATE TO TRUE
   MOVE 'COV' TO XTCL-CHOSEN-PAY-REP-CODE
   MOVE TITLE-CODE OF ERN-ROW TO XTCL-CHOSEN-TITLE-CODE
   Convert PGM-RUNDT-USA to USA format (MM/DD/CCYY) using XDC3 routines
   MOVE (the USA converted) Program Run Date TO XTCL-READ-CHosen-DATE
   MOVE E RN-SUB-LOCATION OF E RN-ROW TO XTCL-CHosen-SUB-LOCATION

d. Move the 4% default percentage to PA-PC-DEFAULT

   MOVE 0.04 TO PA-PC-DEFAULT

15. In 5500-PAR-LOOKUP-FOR-EARN-AMT, after open the E RN_ROW cursor, initialize the Title Code specific temporary fields, as below:

   MOVE SPACES TO WS-PAR-CURR-TITLE
   MOVE ZEROS TO WS-TITLE-PAID-AMT
   MOVE 0.04 TO WS-TITLE-LOW-PCT
e. Calculate the revised percentage as below:

```
IF XTCL-STATUS-NORMAL-END AND
   XTCL-TITLE-RATES-FOUND AND
   XTCL-TSL-RATE-LOOKUP-CODE (1) = 'S' AND
   XTCL-TSB-NO-PAY-INTRVLS (1) > 0 AND
   XTCL-TSB-NO-STEPS (1) > 0 AND
   (RATE-TYPE-CODE OF ERN-ROW = '2' OR '4') AND
   (PAY-SCHED-CODE OF ERN-ROW = 'M' OR 'B' OR 'S')
   IF RATE-TYPE-CODE OF ERN-ROW = '4'
      IF DIST-PAYRATE OF ERN-ROW >= XTCL-HR-RATE (XTCL-TSB-NO-PAY-INTRVLS (1))
         Since the pay rate is at or above max step rate, no lump sum amount calculated
         MOVE ZERO TO PA-PC-DEFAULT
      ELSE
         IF (1.04 * DIST-PAYRATE OF ERN-ROW) > XTCL-HR-RATE (XTCL-TSB-NO-PAY-INTRVLS (1))
            Since the pay rate is less than 4% below max step rate, prorate percent so that pay rate goes to max step rate
            COMPUTE PA-PC-DEFAULT = (XTCL-HR-RATE (XTCL-TSB-NO-PAY-INTRVLS (1)) - DIST-PAYRATE OF ERN-ROW) / DIST-PAYRATE OF ERN-ROW
         END-IF
      END-IF
   ELSE
      Logic for pay rate other than hourly – convert the rate to annual rate
      Using PAY-SCHED-CODE OF ERN-ROW values of 'M' for Monthly, 'B' for Bi-Weekly, and 'S' for Semi-Monthly, convert DIST-PAYRATE OF ERN-ROW to Annual Rate by following logic in 4825-COMPUTE-MLA-ANNUAL-SALARY of PPP675 program.
      Exactly same logic as hourly for pay rate other than hourly using the converted annual rate
      IF Annual Rate >= XTCL-ANN-RATE (XTCL-TSB-NO-PAY-INTRVLS (1))
         MOVE ZERO TO PA-PC-DEFAULT
      ELSE
         IF (1.04 * Annual Rate) > XTCL-ANN-RATE (XTCL-TSB-NO-PAY-INTRVLS (1))
            COMPUTE PA-PC-DEFAULT = (XTCL-ANN-RATE (XTCL-TSB-NO-PAY-INTRVLS (1)) - Annual Rate) / Annual Rate
         END-IF
      END-IF
   END-IF
```

f. For each Title Code, accumulate Earning Paid Amount and calculate lowest Lump Sum %

g. At the Title Code break, Compute PAR Lump Sum = Earning Paid Amount * Lump Sum %

```
COMPUTE PAR-LSAMT ROUNDED = Accumulate Earning Paid Amount * Lowest Lump Sum %
```
16. In the WHERE clause of DIS_ROW cursor declaration remove the DOS_EARNINGS_TYPE <> 'RTP' reference so that all the DOS Codes with Hours Code of 'R' are selected:

```
WHERE EMPLOYEE_ID   = :WS-EMPLOYEE-ID
AND APPT_NUM        = :WS-APPT-NUM
AND PAY_BEGIN_DATE <= :PGM-RUNDT-ISO
AND PAY_END_DATE   >= :PGM-RUNDT-ISO
AND DIST_PERCENT    > 0
AND DIST_DOS       IN
   (SELECT DOS_EARNINGS_TYPE
      FROM PPPVZDOS_DOS
      WHERE DOS_EARNINGS_TYPE <> 'RTP'
      AND DOS_HOURS_CODE = 'R')
```

17. In 9400-FETCH-DIS-ROW-CURSOR SECTION, after a successful DIS_ROW fetch (i.e. SQLCODE = ZERO), perform a new section called 9425-SEL-TOT-GROSS-IND-DOS, as below:

```
IF SQLCODE = +100
   SET DIS-ROW-EOF-ON TO TRUE
ELSE
   IF SQLCODE = ZERO
      PERFORM 9425-SEL-TOT-GROSS-IND-DOS
   END-IF
END-IF.
```
18. Define a new **SECTION 9425-SEL-TOT-GROSS-IND-DOS**, which will be coded to SELECT DOS_TOT_GROSS_IND from PPPDOS by matching with the **DOS_EARNINGS_TYPE** key value:

The selection SQL will **look like** the one below:

```sql
SELECT DOS_TOT_GROSS_IND
    INTO :DOS-ROW.DOS-TOT-GROSS-IND
FROM PPPVZDOS_DOS
WHERE DOS_EARNINGS_TYPE = :DIS-ROW.DIST-DOS
```

DOS Total Gross Indicator (DOS-ROW.DOS-TOT-GROSS-IND) value should be multiplied with DIS-ROW.DIST-PERCENT so that the Distribution Percent will be the correct Distribution Percent that compute uses to calculate earnings.

Therefore, after a successful select (SQLCODE of ZERO), multiply DOS-TOT-GROSS-IND with DIST-PERCENT, as below:

```sql
COMPUTE DIST-PERCENT OF DIS-ROW = DIST-PERCENT OF DIS-ROW * DOS-TOT-GROSS-IND OF DOS-ROW
```

Return back; all other codes, including +100, are not good and so exit the program with an abend.
5.1.2  Bind Members

5.1.2.1  PPOTRRRR (new)

New Package bind member for PPOTRRRR.

5.1.3  JCL Changes

5.1.3.1  PPOTRRRR

Sample JCL will be provided for running the one-time program PPOTRRRR.
6 RX TX One-time Lump Sum – Unit Testing Requirements

Load the base EDB, which should be at or after Feb 1, 2014, into the test region.

Load a test CTL after applying all the CTL Cards from latest releases.

Install the changed PPOTRRRR program into the test region.

Using the PAR file load program PPP465, load at least past 6 months of the MO and BW (B1, B2, and B3) sequential PAR files including the boundary months of November 2013, December 2013, and January 2013.

6.1.1 Run the Onetime Program

Description:

Run the onetime program to produce the output files.

Verification:

Run the following query called QUERY1 to select rows from PPPERN table (matched with PPPEUD), as below:

```sql
SELECT A.EMPLOYEE_ID "EMPLOYEE ID",
       DIST_DOS "DOS" ,
       RATE_TYPE_CODE "RTYP" ,
       DIST_PAYRATE "PayRate" ,
       TITLE_CODE "TITLE" ,
       PAID_AMT "EARN AMT" ,
       PAY_PER_END_DATE "PAY END" ,
       PAY_SCHED_CODE "SCHEDULE"
FROM PPPERN A
WHERE RECORD_TYPE <> '65'
  AND ((TITLE_UNIT_CODE = 'RX' AND APPT_REP_CODE = 'C') OR
        (TITLE_UNIT_CODE = 'TX' AND APPT_REP_CODE = 'C'))
  AND PAID_AMT <> 0
  AND PAY_SCHED_CODE = 'B'
  AND PAY_PER_END_DATE >= '12/22/2013'
  AND PAY_PER_END_DATE <= '01/18/2014'
  AND DIST_DOS IN
    (SELECT DOS_EARNINGS_TYPE
     FROM PPPDOS
     WHERE DOS_RANGE_ADJ_IND = 'Y')
  AND 1 =
    (SELECT COUNT(*)
     FROM PPPEUD
     WHERE PAY_CYCLE_END_DATE = A.PAY_CYCLE_END_DATE
          AND PAY_CYCLE_CODE = A.PAY_CYCLE_CODE
          AND EMPLOYEE_ID = A.EMPLOYEE_ID
          AND RECORD_TYPE = A.RECORD_TYPE
          AND PRI_PAY_SCHED = 'BW')
```

ORDER BY EMPLOYEE_ID, PAY_PER_END_DATE, TITLE_CODE, RATE_TYPE_CODE;

Run QUERY1 again after changing the date and call it as QUERY2, as below:

```
AND PAY_PER_END_DATE <= '01/04/2014'
```

All the employees not having earning in the range 12/22/2013 to 01/04/2014 should be dropped from lump sum

Verify that from QUERY1, only the employees selected from the above QUERY2 are written into Tab-Delimited File and Costing transaction file.

All the employees with Employment Status of ‘S’ or ‘I’ should be dropped from lump sum

Verify that from QUERY1, even if the employee is found in QUERY2, if the Employment Status of the employee is ‘S’ or ‘I’, then the employee is dropped altogether from all the output files / reports.

All the employees with a Separation Date prior to Program Run Date should be dropped from lump sum

Verify that from QUERY1, even if the employee is found in QUERY2, if the Separation Date is prior to the program run date (and not low date), then the employee is dropped altogether from all the output files / reports.

All the employees with a Separation Date prior to Program Run Date should be dropped from lump sum

Verify that from QUERY1, even if the employee is found in QUERY2, if the Separation Date is prior to the program run date (and not low date), then the employee is dropped altogether from all the output files / reports.

All the employees with Employment Status of ‘N’ should be dropped from FT Transaction File

Verify that from QUERY1, even if the employee is found in QUERY2, if the Employment Status of the employee is ‘N’, then the employee is dropped only from FT transaction file; however, they should be outputted into costing and tab-delimited files.
Check for the correct percentage used for Lump Sum calculation

Get the Maximum Step Rate for the Title Code

Choose an employee in the Tab-Delimited file. Verify the lump sum amount in the Tab-Delimited file using the QUERY1 records for the employee. For each QUERY1 record for the employee, calculate the percentage as below:

Using the Title Code (example, 9999) go to PPPTSL table query TITLQRY1 below and check to make sure that the TSL_RATE_LOOKUP_CD is ‘S’ for the step based title.

```sql
SELECT TSL_TITLE_CODE   "TITLE CODE" , 
       TSL_EFFECTIVE_DATE    "EFFECTIVE DATE" ,
FROM PPPTSL
WHERE TSL_PAY_REP_CODE  = 'COV'
AND TSL_RATE_LOOKUP_CD = 'S'
ORDER BY TSL_TITLE_CODE, TSL_EFFECTIVE_DATE DESC;
```

Run the following query called TITLQRY2 to select the max step rates for all the step based titles, as below:

```sql
SELECT TRR_TITLE_CODE ,
       TRR_PAY_INTERVAL ,
       TRR_MO_RATE ,
       TRR_HR_RATE ,
       TRR_ALT_RATE
FROM PPPT
WHERE TRR_PAY_REP_CODE = 'COV'
AND TRR_TITLE_CODE = '9999'
ORDER BY TRR_EFFECTIVE_DATE DESC, TRR_PAY_INTERVAL DESC;
```

Get the Maximum Step Rate for the Title Code (Alternate Query Method)

Alternatively, execute the following query to get the max step rate for a title code:

```sql
SELECT TRR_TITLE_CODE   "TITLE" , 
       TRR_SUB_LOCATION   "SUBL" , 
       TRR_EFFECTIVE_DATE "EFFDT" , 
       TRR_PAY_INTERVAL   "PIVAL" , 
       TRR_MO_RATE        "MO RT" , 
       TRR_HR_RATE        "HR RT" , 
       TRR_ALT_RATE       "ALTRT"
FROM PPPTRR A
WHERE TRR_PAY_REP_CODE = 'COV'
AND TRR_TITLE_CODE = A.TRR_TITLE_CODE
AND TRR_SUB_LOCATION = A.TRR_SUB_LOCATION
AND TRR_EFFECTIVE_DATE =
  (SELECT MAX(TRR_EFFECTIVE_DATE)
   FROM PPPTRR
   WHERE TRR_PAY_REP_CODE = 'COV'
   AND TRR_TITLE_CODE = A.TRR_TITLE_CODE
   AND TRR_SUB_LOCATION = A.TRR_SUB_LOCATION )
AND TRR_PAY_INTERVAL =
  (SELECT MAX(TRR_PAY_INTERVAL)
   FROM PPPTRR
   WHERE TRR_PAY_REP_CODE = 'COV'
   AND TRR_TITLE_CODE = A.TRR_TITLE_CODE
   AND TRR_SUB_LOCATION = A.TRR_SUB_LOCATION )
AND TRR_TITLE_CODE IN
  (SELECT TSL_TITLE_CODE
   FROM PPPTSL B)
```
WHERE TSL_PAY_REP_CODE = 'COV'
AND TSL_RATE_LOOKUP_CD = 'S'
AND TSL_SUB_LOCATION = A.TRR_SUB_LOCATION
AND TSL_EFFECTIVE_DATE =
(SELECT MAX(TSL_EFFECTIVE_DATE)
  FROM PPPTSL
  WHERE TSL_PAY_REP_CODE = 'COV'
    AND TSL_RATE_LOOKUP_CD = 'S'
    AND TSL_TITLE_CODE = B.TSL_TITLE_CODE
    AND TSL_SUB_LOCATION = B.TSL_SUB_LOCATION
)
ORDER BY TRR_TITLE_CODE, TRR_EFFECTIVE_DATE DESC;

for the base, look for the maximum rates in the latest CTL TCT data report at

Choose the Monthly and Hourly rates from the first returned row.
Get the Maximum Step Rate for the Title Code (Alternate Method)

Alternatively, for the base, look for the maximum rates in the latest CTL TCT data report at http://payroll.ucop.edu/CTL_PDF/PPP0433.PDF.

In the following example, the monthly rate of 7259.00 and Hourly Rate of 41.7184 are obtained for the details marked below:

TCT Title Code: 9334
Pay Rep Code: COV

TSL Rate Lookup Code: S

Number of Pay Intervals: 25

Sub Location: ** (** represents ALL sub locations)
Calculate the Lump Sum percentage

Calculate the lump sum percentage using the onetime logic, as below:

1. If the Maximum Title Code Step Rate (TRR rate) is at or above the PAR rate, then the lump sum percentage is 0%.

2. If the Maximum Title Code Step Rate (TRR rate) is below the PAR rate, then

   Calculate the percentage needed to make up the difference between TRR rate and PAR rate.

   If the above calculated rate is more than 4%, then calculate the percentage to be 4%.

For an employee, have an array with the columns of Title Code, Total Amount and Lowest Percentage. Save the Title Code, add the paid amount with Total Earning Amount, and calculate the lowest percentage for that title.

After all the earning records for an employee is completed, then calculate the Lump Sum amount for the employee by going through the above array and adding the multiplied value of Total Paid Amount with the associated lowest lump sum percentage.

Check for the correct Lump Sum amount totals

Add all the lump sum amounts for the employee from the above calculation and from the tab-delimited file.

Match the total amounts with the total amount in the tab-delimited file for the employee.

Both the amounts should be equal.

Check for the correct distribution of Lump Sum amount

Get the ED-ARRAY details, using the query called EDARRAY below (assuming the current date is '02/12/2014'):

```
SELECT A.EMPLOYEE_ID   "EMPLOYEE ID",
       CHAR(A.APPT_NUM) "APP",
       CHAR(DIST_NUM)   "DIS",
       TITLE_CODE       "TITLE",
       APPT_TYPE        "ATYP",
       DIST_PERCENT     "DIS %",
       DOS_TOT_GROSS_IND "GR IND",
       FULL_ACCT_UNIT   "FAU",
       PRI_PAY_SCHED    "SCHEDULE"
FROM PPPAPP A,
     PPPDIS B,
     PPPPCM C,
     PPPDOS D
WHERE A.EMPLOYEE_ID    = B.EMPLOYEE_ID
  AND A.EMPLOYEE_ID    = C.EMPLOYEE_ID
  AND A.APPT_NUM       = B.APPT_NUM
  AND TITLE_UNIT_CODE IN ('RX', 'TX')
  AND APPT_REP_CODE    = 'C'
  AND DIST_PERCENT     > 0
  AND APPT_END_DATE    >= '02/12/2014'
```
AND PAY_END_DATE >= '02/12/2014'
AND DIST_DOS = D.DOS_EARNINGS_TYPE
AND DIST_DOS IN
(SELECT DOS_EARNINGS_TYPE
 FROM PPPDOS
 WHERE DOS_HOURS_CODE = 'R')
ORDER BY PRI_PAY_SCHED, A.EMPLOYEE_ID;

Choose an employee in the Tab-Delimited file. Verify the lump sum amount in the Tab-Delimited file is distributed using the details from the EDARRAY records for the employee. For each EDARRAY record for the employee, calculate the percentage by combining the Dist Percent * DOS Gross Indicator, for the common Title Code, Appt Type, and FAU key values.

Verify the following:

1. All the employees with a particular Primary Pay Schedule should go to the FT transaction File dedicated to that Cycle.
2. Each FT transaction amount for the employee is distributed according to their combined distribution percent.
3. If one of the Combined Dist Percent turns to negative, the whole employee is rejected from all FT, Costing, and Tab-Delimited files. However, the employee should be reported into the warning file with the Payment Amount and Error details.

Check for the correct posting of Lump Sum amount in a compute

Using the FT transactions file, run a MO or BW compute and verify that all the FT transaction amounts are posted correctly in the PAR for few sample employees.
Attachment A – Electronic Tab-Delimited File Header (Column Heading)

<table>
<thead>
<tr>
<th>Data Definition</th>
<th>Column Heading Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location (from Campus Control Record)</td>
<td>LOC</td>
</tr>
<tr>
<td>Employee ID</td>
<td>ID</td>
</tr>
<tr>
<td>Employee Name</td>
<td>EMPL_NAME</td>
</tr>
<tr>
<td>Home Department</td>
<td>DEPT</td>
</tr>
<tr>
<td>Home Department Description</td>
<td>DEPT DESCR</td>
</tr>
<tr>
<td>Employment Status Code</td>
<td>STATUS</td>
</tr>
<tr>
<td>Deduction Pay Schedule Code</td>
<td>SCHED</td>
</tr>
<tr>
<td>Title Code</td>
<td>TITLE</td>
</tr>
<tr>
<td>Title Code Description</td>
<td>TITLE DESCR</td>
</tr>
<tr>
<td>FT transaction amount</td>
<td>AMOUNT</td>
</tr>
<tr>
<td>Full Accounting Unit (FAU)</td>
<td>FAU</td>
</tr>
<tr>
<td>Program Run date</td>
<td>RUN DATE</td>
</tr>
<tr>
<td>Employee Hire Date</td>
<td>HIRE DATE</td>
</tr>
</tbody>
</table>

Attachment B – APP_ROW Details from PPPAPP Table

APP_ROW cursor, sorted in the Employee ID and Appt Number order, is defined to select the following details from the appointment table PPPAPP with the conditions outlined in the detailed description.

<table>
<thead>
<tr>
<th>APP_ROW Data Names from Appt Table</th>
<th>Column Name selected from PPPAPP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employee ID</td>
<td>EMPLOYEE_ID</td>
</tr>
<tr>
<td>Appointment Number</td>
<td>APPT_NUM</td>
</tr>
<tr>
<td>Appt Begin Date</td>
<td>APPT_BEGIN_DATE</td>
</tr>
<tr>
<td>Appt End Date</td>
<td>APPT_END_DATE</td>
</tr>
<tr>
<td>Title Code</td>
<td>TITLE_CODE</td>
</tr>
<tr>
<td>Appt Type</td>
<td>APPT_TYPE</td>
</tr>
<tr>
<td>Title Unit Code</td>
<td>TITLE_UNIT_CODE</td>
</tr>
<tr>
<td>Appt Representation Code</td>
<td>APPT_REP_CODE</td>
</tr>
<tr>
<td>Appt Department</td>
<td>APPT_DEPT</td>
</tr>
<tr>
<td>Appt Special Handling</td>
<td>APPT_SPCL_HNDLG</td>
</tr>
</tbody>
</table>
Attachment C – Employee Details from PPPPER table

The EDB employee details are selected from the PPPPER table whenever the APP_ROW fetches the next employee’s appt record. The details of these columns and the reported output files are described below:

<table>
<thead>
<tr>
<th>Data Names from PPPPER Table</th>
<th>Column Name selected from PPPPER</th>
<th>Reported in the Output File</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employee ID</td>
<td>EMPLOYEE_ID</td>
<td>Electronic Tab-Delimited File</td>
</tr>
<tr>
<td>Appointment Number</td>
<td>EMP_NAME</td>
<td>Electronic Tab-Delimited File</td>
</tr>
<tr>
<td>Name Suffix</td>
<td>NAMESUFFIX</td>
<td>Costing File</td>
</tr>
<tr>
<td>Employee Status</td>
<td>EMP_STATUS</td>
<td>Electronic Tab-Delimited File</td>
</tr>
<tr>
<td>Home Department</td>
<td>HOME_DEPT</td>
<td>Electronic Tab-Delimited File</td>
</tr>
<tr>
<td>Separation Date</td>
<td>SEPARATE_DATE</td>
<td>Electronic Tab-Delimited File</td>
</tr>
<tr>
<td>Hire Date</td>
<td>HIRE_DATE</td>
<td>Electronic Tab-Delimited File</td>
</tr>
<tr>
<td>Employee Bargaining Unit Code</td>
<td>EMP_CBUC</td>
<td>Costing File</td>
</tr>
<tr>
<td>Employee Relations Unit</td>
<td>EMP_REL_UNIT</td>
<td>Costing File</td>
</tr>
<tr>
<td>Employee Distribution Unit Code</td>
<td>EMP_DIST_UNIT_CODE</td>
<td>Costing File</td>
</tr>
<tr>
<td>Employee Representation Code</td>
<td>EMP_REP_CODE</td>
<td>Costing File</td>
</tr>
<tr>
<td>Employee Special Handling</td>
<td>EMP_SPEC_HAND</td>
<td>Costing File</td>
</tr>
<tr>
<td>Employee Relation Code</td>
<td>EMP_REL_CODE</td>
<td>FT Payment File</td>
</tr>
</tbody>
</table>
Attachment D: DIS_ROW Cursor Definition for the Distribution Details

DIS_ROW cursor is defined to select the following details from the distribution table PPPDIS for the current employee and appointment that satisfies the conditions explained in the detailed description.

<table>
<thead>
<tr>
<th>DIS_ROW Data Fields from Distribution Table</th>
<th>Column Name selected from PPPDIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employee ID</td>
<td>EMPLOYEE_ID</td>
</tr>
<tr>
<td>Appointment Name</td>
<td>APPT_NUM</td>
</tr>
<tr>
<td>Distribution Number</td>
<td>DIST_NUM</td>
</tr>
<tr>
<td>Full Accounting Unit</td>
<td>FULL_ACCT_UNIT</td>
</tr>
<tr>
<td>Distribution Department Code</td>
<td>DIST_DEPT_CODE</td>
</tr>
<tr>
<td>Pay Begin Date</td>
<td>PAY_BEGIN_DATE</td>
</tr>
<tr>
<td>Pay End Date</td>
<td>PAY_END_DATE</td>
</tr>
<tr>
<td>Distribution Percent</td>
<td>DIST_PERCENT</td>
</tr>
<tr>
<td>Distribution Pay Rate</td>
<td>DIST_PAYRATE</td>
</tr>
<tr>
<td>Distribution DOS</td>
<td>DIST_DOS</td>
</tr>
<tr>
<td>Distribution Unit Code</td>
<td>DIST_UNIT_CODE</td>
</tr>
</tbody>
</table>

Attachment E: Eligible Distributions Array Layout

The array of Eligible Distributions for an employee is used in building the FT transaction files, costing file, and tab-delimited file. All the details are built from the employee details stored in the DB2 tables of EDB.

<table>
<thead>
<tr>
<th>Eligible Distributions Array Fields</th>
<th>EDB Table – Field Description</th>
<th>Sort (add dist %)?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eligible Appt Title Code</td>
<td>PPPAPP - Appt Title Code</td>
<td>Yes</td>
</tr>
<tr>
<td>Eligible Appt Representation Code</td>
<td>PPPAPP - Appt Rep Code</td>
<td>Yes</td>
</tr>
<tr>
<td>Eligible Appt Type</td>
<td>PPPAPP - Appt Type</td>
<td>Yes</td>
</tr>
<tr>
<td>Eligible Dist FAU</td>
<td>PPPDIS - Dist FAU</td>
<td>Yes</td>
</tr>
<tr>
<td>Eligible Dist Unit Code</td>
<td>PPPDIS - Dist Unit Code</td>
<td>Yes</td>
</tr>
<tr>
<td>Eligible Appt Title Unit Code</td>
<td>PPPAPP - Appt Title Unit Code</td>
<td>No</td>
</tr>
<tr>
<td>Eligible Appt Special Handling</td>
<td>PPPAPP - Appt Special Handling</td>
<td>No</td>
</tr>
<tr>
<td>Eligible Dist Percent (5 precision)</td>
<td>PPPDIS - Dist Percent</td>
<td></td>
</tr>
<tr>
<td>Eligible Dist FT Amount</td>
<td>Calculated as part of FT pay</td>
<td></td>
</tr>
</tbody>
</table>
Attachment F: ERN_ROW Cursor Definition for the PAR Earning Details

The PAR earning details are selected from the PPPERN table for an employee whenever the eligible distribution array has one or more records. The details of these columns are described below:

<table>
<thead>
<tr>
<th>Data Names from PPPERN Table</th>
<th>Column Name selected from PPPERN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pay Cycle End Date</td>
<td>PAY_CYCLE_END_DATE</td>
</tr>
<tr>
<td>Pay Cycle Code</td>
<td>PAY_CYCLE_CODE</td>
</tr>
<tr>
<td>Employee ID</td>
<td>EMPLOYEE_ID</td>
</tr>
<tr>
<td>Record Type</td>
<td>RECORD_TYPE</td>
</tr>
<tr>
<td>Primay Gross Control Number</td>
<td>PRI_GROSS_CTL</td>
</tr>
<tr>
<td>PAR Pay Cycle Code</td>
<td>PAY_SCHED_CODE</td>
</tr>
<tr>
<td>Distribution DOS Code</td>
<td>DIST_DOS</td>
</tr>
<tr>
<td>Appointment Representation Code</td>
<td>APPT_REP_CODE</td>
</tr>
<tr>
<td>Title Unit Code</td>
<td>TITLE_UNIT_CODE</td>
</tr>
<tr>
<td>Title Code</td>
<td>TITLE_CODE</td>
</tr>
<tr>
<td>Paid Amount</td>
<td>PAID_AMT</td>
</tr>
<tr>
<td>Pay Period End Date</td>
<td>PAY_PER_END_DATE</td>
</tr>
<tr>
<td>Sub Location</td>
<td>ERN_SUB_LOCATION</td>
</tr>
<tr>
<td>Earning Rate Type</td>
<td>RATE_TYPE_CODE</td>
</tr>
<tr>
<td>Earning Pay Rate</td>
<td>DIST_PAYRATE</td>
</tr>
</tbody>
</table>
Attachment G: FT Transaction File Record Layout

Employee’s EDB details and the array of Eligible Distributions are used in building the FT transaction file.

<table>
<thead>
<tr>
<th>Eligible Distributions Array Fields</th>
<th>Position</th>
<th>EDB / Eligible Distributions Array Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employee ID</td>
<td>01 - 09</td>
<td>Employee ID from PPPPER</td>
</tr>
<tr>
<td>Transaction Code</td>
<td>10 - 11</td>
<td>’FT’</td>
</tr>
<tr>
<td>Filler</td>
<td>12 - 18</td>
<td>Blank</td>
</tr>
<tr>
<td>FAU</td>
<td>19 - 48</td>
<td>Eligible Dist FAU</td>
</tr>
<tr>
<td>Filler</td>
<td>49</td>
<td>Blank</td>
</tr>
<tr>
<td>Title Code</td>
<td>50 - 53</td>
<td>Eligible Appt Title Code</td>
</tr>
<tr>
<td>DOS Code</td>
<td>54 – 56</td>
<td>‘LSP’</td>
</tr>
<tr>
<td>Payment Amount</td>
<td>57 – 63</td>
<td>Eligible Dist FT Amount</td>
</tr>
<tr>
<td>Filler</td>
<td>64 - 70</td>
<td>Blank</td>
</tr>
<tr>
<td>Pay End Date (MMDDYY format)</td>
<td>71 – 76</td>
<td>’051014’ for BW; ’051514’ for SM; ’053114’ for MO and MA</td>
</tr>
<tr>
<td>Filler</td>
<td>77 - 78</td>
<td>Blank</td>
</tr>
<tr>
<td>Work Study</td>
<td>79</td>
<td>Blank</td>
</tr>
<tr>
<td>Filler</td>
<td>80</td>
<td>Blank</td>
</tr>
<tr>
<td>Employee Relations Code</td>
<td>81</td>
<td>Employee Relationship Code from PPPPER</td>
</tr>
<tr>
<td>Appt Type Code</td>
<td>82</td>
<td>Eligible Appt Type</td>
</tr>
<tr>
<td>Dist Unit Code</td>
<td>83</td>
<td>Blank</td>
</tr>
<tr>
<td>Filler</td>
<td>84 - 120</td>
<td>Blank</td>
</tr>
</tbody>
</table>
**Attachment H: Electronic Tab-Delimited File Record Layout**

The array of Eligible Distributions and the selected EDB details for an employee are used in building the tab-delimited file.

<table>
<thead>
<tr>
<th>Tab-Delimited File Data</th>
<th>EDB / Eligible Distributions Array Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location (from Campus Control Record)</td>
<td>Location from PPPCCR</td>
</tr>
<tr>
<td>Employee ID</td>
<td>Employee ID from PPPPER</td>
</tr>
<tr>
<td>Employee Name</td>
<td>Employee Name from PPPPER</td>
</tr>
<tr>
<td>Home Department</td>
<td>Home Department from PPPPER</td>
</tr>
<tr>
<td>Home Department Description</td>
<td>Home Department Description from PPHME</td>
</tr>
<tr>
<td>Employment Status Code</td>
<td>Employee Status from PPPPER</td>
</tr>
<tr>
<td>Deduction Pay Schedule Code</td>
<td>Primary Pay Schedule from PPPCM</td>
</tr>
<tr>
<td>Title Code</td>
<td>Eligible Appt Title Code</td>
</tr>
<tr>
<td>Title Code Description</td>
<td>Title Description from PPTCTUTL call</td>
</tr>
<tr>
<td>FT transaction amount</td>
<td>Eligible Dist FT Amount</td>
</tr>
<tr>
<td>Full Accounting Unit (FAU)</td>
<td>Eligible Dist FAU</td>
</tr>
<tr>
<td>Program Run date</td>
<td>Current Run Date calculated from the system in ISO</td>
</tr>
<tr>
<td>Employee Hire Date</td>
<td>Hire Date (EDB0113) from PPPPER</td>
</tr>
</tbody>
</table>
Attachment I: Costing File Record Layout

The array of Eligible Distributions and the selected EDB details for an employee are used in building the standard costing transactions file.

<table>
<thead>
<tr>
<th>Costing File Data</th>
<th>EDB / Eligible Distributions Array Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employee ID</td>
<td>Employee ID from PPPPER</td>
</tr>
<tr>
<td>Employee Name</td>
<td>Employee Name from PPPPER</td>
</tr>
<tr>
<td>Employee Name Suffix</td>
<td>Employee Name Suffix from PPPPER</td>
</tr>
<tr>
<td>Costing Action Code</td>
<td>'32'</td>
</tr>
<tr>
<td>Costing Effective Date (YYMMDD format)</td>
<td>'140510' for BW; '140515' for SM; '140531' for MO and MA</td>
</tr>
<tr>
<td>Title Code</td>
<td>Eligible Appointment Title</td>
</tr>
<tr>
<td>Full Accounting Unit (FAU)</td>
<td>Eligible Distribution FAU</td>
</tr>
<tr>
<td>Rate Code</td>
<td>Blank</td>
</tr>
<tr>
<td>Percent</td>
<td>100.00</td>
</tr>
<tr>
<td>DOS</td>
<td>'LSP'</td>
</tr>
<tr>
<td>Old Rate</td>
<td>0.00</td>
</tr>
<tr>
<td>New Rate</td>
<td>Eligible Distribution FT Amount (calculated)</td>
</tr>
<tr>
<td>FTE</td>
<td>0.00</td>
</tr>
<tr>
<td>Employee CBUC</td>
<td>Employee CBUC (EDB 0161) from PPPPER</td>
</tr>
<tr>
<td>Employee Relations Unit</td>
<td>Employee Relations Unit (EDB 0255) from PPPPER</td>
</tr>
<tr>
<td>Employee Special Handling Code</td>
<td>Employee Special Handling Code (EDB 0256) from PPPPER</td>
</tr>
<tr>
<td>Employee Dist Unit Code</td>
<td>Employee Dist Unit Code (EDB 0257) from PPPPER</td>
</tr>
<tr>
<td>Employee Representation Code</td>
<td>Employee Representation Code (EDB 0295) from PPPPER</td>
</tr>
<tr>
<td>Appointment Title Unit Code</td>
<td>Eligible Appointment Title Unit Code</td>
</tr>
<tr>
<td>Distribution Unit Code</td>
<td>Eligible Distribution Unit Code</td>
</tr>
<tr>
<td>Appointment Coverage</td>
<td>Eligible Appointment Representation Code</td>
</tr>
<tr>
<td>Appointment Special Handling</td>
<td>Eligible Appointment Special Handling</td>
</tr>
<tr>
<td>Duration of Employment</td>
<td>Blank</td>
</tr>
<tr>
<td>Pay Period End Date (YYMMDD format)</td>
<td>'140510' for BW; '140515' for SM; '140531' for MO and MA</td>
</tr>
<tr>
<td>Error Code</td>
<td>zero</td>
</tr>
</tbody>
</table>