Service Request SR100612
EX 3% Lump Sum
Technical Specification

April 18, 2014
Prepared by Peter Parker
Information Technology Services
Office of the President
University of California
## Version History

<table>
<thead>
<tr>
<th>Version #</th>
<th>Date</th>
<th>Revised By</th>
<th>Reason for Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>04/18/2014</td>
<td>Peter Parker</td>
<td>1st draft (SEE TBD)</td>
</tr>
<tr>
<td>1.1</td>
<td>05/01/2014</td>
<td>Peter Parker</td>
<td>Remove some TBD, (see active TBD)</td>
</tr>
<tr>
<td>1.2</td>
<td>05/05/2014</td>
<td>Peter Parker</td>
<td>Remove erroneous reference to $100 lump sum in section 1.1.1 Service Request SR100612</td>
</tr>
<tr>
<td>1.3</td>
<td>05/05/2014</td>
<td>Peter Parker</td>
<td>Add $10 flat amount lump sum.</td>
</tr>
<tr>
<td>1.4</td>
<td>05/15/2014</td>
<td>Peter Parker</td>
<td>Add Control report heading text. Remove section Changes to requirements sent via e-mail</td>
</tr>
</tbody>
</table>
Table of Contents

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

1 Introduction.............................................................................................................................................. 3
  1.1.1 Service Request SR100612 ........................................................................................................... 3

2 Background ............................................................................................................................................ 3

3 Overview of System Modifications ........................................................................................................... 3
  3.1.1 Compute ......................................................................................................................................... 3

4 Design Considerations ............................................................................................................................... 3
  4.1 Assumptions and Dependencies ......................................................................................................... 3

5 Mainframe Design ................................................................................................................................... 4
  5.1.1 EX One Time Lump Sum Payment ............................................................................................... 6
  5.1.2 Cobol Programs ............................................................................................................................. 6
  5.1.3 Bind Members PPOTRRRR ........................................................................................................... 8

6 Unit Testing ............................................................................................................................................. 8
  6.1 Test cases .......................................................................................................................................... 8
1 Introduction

Distribute a one-time lump sum payment to eligible members of bargaining unit EX as specified in the bargaining contract ratified on ???.

1.1.1 Service Request SR100612

The lump sum payment must occur in each employee’s regular pay cycle. The payment should be included in the following cycles:

<table>
<thead>
<tr>
<th>Pay Cycle</th>
<th>Period Covering:</th>
<th>Pay Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bi-Weekly</td>
<td>August 3, 2014 through August 16, 2014</td>
<td>August 27, 2014</td>
</tr>
<tr>
<td>Monthly</td>
<td>August 1, 2014 through August 31, 2014</td>
<td>August 29, 2014</td>
</tr>
<tr>
<td>Month Arrears</td>
<td>August 1, 2014 through August 31, 2014</td>
<td>September 8, 2014</td>
</tr>
</tbody>
</table>

2 Background

This onetime process is very similar to the process developed for RX TX One-time Lump Sum - SR100456 release number 2113 see PAY.BASE.COBOL (PPOT2113).

3 Overview of System Modifications

Using PAY.BASE.COBOL(PPOT2113) as a starting place, write a onetime program with the same file outputs.

3.1.1 Compute

Generated FT transactions will be processed by the Compute to create LUMP SUM payments.

4 Design Considerations

4.1 Assumptions and Dependencies

The existing code in PPOT2113 will be reused as much as possible. Most of the code required to produce the output files required can be reused. It is expected that the code required to select the eligible populate as well as the code that calculates the LUMP sum amount must be rewritten.
5 Mainframe Design

The requirements matrix from the Business Requirements is reproduced here:

<table>
<thead>
<tr>
<th>Req. ID</th>
<th>Requirement Type</th>
<th>Requirement Description</th>
</tr>
</thead>
</table>
| R0001   | One-time Process | Select Eligible Employees for processing based on EDB data.  
  - The employee must have current EDB appointments associated with Appointment Title Unit Code EX and Appointment Representation Code C on the day the one-time program is run.  
  - The employee must have at least one active distribution on the day the one-time program is run. |
| R0002   | One-time Process | Lump Sum payment is the sum of eligible PAR earnings time 0.03 (3%). If employee is paid via BW cycle and will receive a lump sum payment based on eligible PAR earnings time 0.03 (3%), add $10 to the amount calculated.  
To be included in the accumulated earnings for the lump sum calculation, PAR earnings must have  
- Any PPS DOS Code  
- A PAR Title Unit Code of EX and PAR Representation Code equal to “C”  
- The transaction Pay Period End Date must be greater than or equal to March 31, 2013 for BW  
- The transaction Pay Period End Date must be less than or equal to March 29, 2014 for BW  
- The transaction Pay Period End Date must be greater than or equal to April 1, 2013 for NOT BW  
- The transaction Pay Period End Date must be less than or equal to March 30, 2014 for NOT BW |
| R0003   | One-time Process | Prorate the payment across FAU based on EDB data  
- For each distinct FAU associated with a current regular distribution in appointments having Appointment Title Unit Code “EX” and Appointment Representation Code “C”.  
- In case of rounding off differences among prorated amounts for an employee which can lead to the sum of the prorated amounts being less than the total payment (flat dollar amount), the declining balance method (subtract against the total payment) should be used |
### Requirement Description

<table>
<thead>
<tr>
<th>Req. ID</th>
<th>Requirement Type</th>
<th>Requirement Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>to calculate each prorated amount.</td>
</tr>
<tr>
<td>R0004</td>
<td>One-time Process</td>
<td>Create 7 Output Files</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Lump Sum Payment Transactions (one for each pay cycle MO, MA, SM, BW)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Warnings and Controls Report</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Tab delimited detail report</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Standard Costing Transactions File (for input to PPP960)</td>
</tr>
<tr>
<td>R0005</td>
<td>One-time Program</td>
<td>Lump Sum Transactions</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Generate an FT transaction for each FAU having DOS code LSP and pay period end date coinciding with the next regular pay cycle for the employee.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>o MA 08/31/14</td>
</tr>
<tr>
<td></td>
<td></td>
<td>o MO 08/31/14</td>
</tr>
<tr>
<td></td>
<td></td>
<td>o BW 08/16/14</td>
</tr>
<tr>
<td></td>
<td></td>
<td>o SM 08/15/14</td>
</tr>
<tr>
<td>R0006</td>
<td>One-time Program</td>
<td>Output</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- For employees with Employment Status Code “A” or “P” output to transactions file, tab delimited file, costing file.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Transactions are placed in one of four files depending on the employees primary pay cycle.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- For employees with Employment Status Code “N” output to tab delimited file only. Issue message “&lt;ERROR&gt; *UNPAID LEAVE OF ABSENCE; PAYMENT BYPASSED “to warnings and control report.</td>
</tr>
<tr>
<td>R0007</td>
<td>One-time Program</td>
<td>Tab Delimited File</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For each FT transaction:</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Data Definition</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Location (two-digit numeric code) – include with each record</td>
</tr>
</tbody>
</table>
### Warnings and Controls Report

- The report should show totals for all payments processed.
- Totals should be grouped by primary pay schedule
- For each pay schedule, the report should display the number of transactions and the total amount of the lump sum payments
- The one-time program should produce a control report. The heading should be as follows: SPECIAL ONE-TIME PROCESS EX 2014 LUMP SUM - WARNING & CONTROL REPORT

---

### EX One Time Lump Sum Payment

#### 5.1.2 Cobol Programs

5.1.2.1 **PPOTRRRR (RRRR = release number, determined at release time)**

PPOTRRRR is a one-time program that will generate FT transactions.

* DESCRIPTION: */

Revise the description in FLOWERBOX

Inputs and Outputs

Seven output files, the same as PPOT2113
EX 3% Lump Sum
Technical Specification
April 18, 2014

* * *
*--> WARNING AND CONTROL REPORT
SELECT PRINT-FILE   COPY CPSLXPRT.
*--> FT TRANS FILES FOR MO / BW / SM / MA PAY SCHEDULES
SELECT FT-TRANS-MO    ASSIGN TO UT-S-FTPAYMO.
SELECT FT-TRANS-BW    ASSIGN TO UT-S-FTPAYBW.
SELECT FT-TRANS-SM    ASSIGN TO UT-S-FTPAYS.
SELECT FT-TRANS-MA    ASSIGN TO UT-S-FTPAYMA.
*--> FT COSTING FILE FOR PROCESSING IN PPP960
SELECT FT-COST-FILE   ASSIGN TO UT-S-FTCOSTFL.
*--> ELECTRONIC FILE (TAB DELIMITED)
SELECT ELECTRIC-FILE  ASSIGN TO UT-S-ELECFILE.

WORKING-STORAGE

Start with working storage the same as PPOT2113 Customize as needed.

All three DECLARE CURSOR SQL statements must be modified.

'RX', 'TX' => 'EX'

Remove AND DIST_DOS   IN
(SELECT DOS_EARNINGS_TYPE
 FROM PPPVZDOS_DOS
 WHERE DOS_RANGE_ADJ_IND = 'Y')

Remove AND PAY_SCHED_CODE  = 'B'

Remove AND DIST_DOS   IN
(SELECT DOS_EARNINGS_TYPE
 FROM PPPVZDOS_DOS
 WHERE DOS_HOURS_CODE   = 'R')

PROCEDURE DIVISION

R0001 – Determine eligible employee population

Use CURSORs APP_ROW and DIS_ROW to define the population that is eligible.

R0002 – Set a Lump Sum amount for each employee eligible for a lump sum payment

Program PPOT2113 must be modified. A global change of “.04” to “.03” is required as well as other adjustments.

Use CURSOR ERN_ROW to fetch PAR earnings for each eligible employee.

R0003 Prorate the payment across FAU based on EDB data, Create Lump Sum Transactions;

Program PPOT2113 contains the required code.

R0004 – Code in PPOT2113 should provide the framework for creation the 7 output files.

R0005 Generate FT transaction for each FAU
EX 3% Lump Sum
Technical Specification
April 18, 2014

Program PPOT2113 contains the required code.

R0006 Output

Program PPOT2113 contains the required code.

R0007 Tab Delimited File

Program PPOT2113 contains the required code.

R0008 Warnings and Controls Report

Program PPOT2113 contains the required code.

5.1.3  Bind Members PPOTRRRR

Program PPOT2113 contains the required code.

5.1.3  Bind Members PPOTRRRR

*******************************************************************************
* BIND MEMBER: PPOTRRRR                                                       *
* RELEASE: ___RRR______ SERVICE REQUEST(S): ____8SSSS____                     *
* NAME:_________________ CREATION DATE:      ___??/??/??__                    *
* DESCRIPTION:                                                            *
* * - BIND FOR A NEW ONE-TIME PROGRAM.                                    *
* * - BIND FOR A NEW ONE-TIME PROGRAM.                                    *
*******************************************************************************

BIND

PLAN(PPOTRRRR) -
MEMBER(PPOTRRRR) -
OWNER(PAYADM) -
ACTION(REPLACE) -
RETAI -
VALIDATE(RUN) -
ISOLATION(CS) -
FLAG(1) -
ACQUIRE(USE) -
RELEASE(COMMIT) -
EXPLAIN(NO) -

6  Unit Testing

6.1  Test cases

This SQL returned 27 employee ids. This means that there are some test cases available in PAY.BASE.UDB2* PDS database unloads.

SELECT 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
FROM PBTDA.PPPVZERN_ERN
WHERE RECORD_TYPE <> '65'
AND TITLE_UNIT_CODE = 'EX'
AND APPT_REP_CODE = 'C'
AND PAID_AMT <> 0
AND PAY_PER_END_DATE >= '2013-04-01'
AND PAY_PER_END_DATE <= '2014-03-31'
ORDER BY EMPLOYEE_ID, TITLE_CODE ;