

**Release 1722**

**Service Request 81447  
Error Reports 2035  
2038  
2006 Web Merit Enhancements  
Phase II  
Detail Design**

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## Introduction

Service Request 81451 and 81447 included the following background:

“PPS release 1428, dated August 9, 2002, implemented the initial Web Merit system, a web-based online application to automate the processing of merit increases. A subsequent release the following year, R1513, added new functionality to process across-the-board (ATB) cycles.

In 2005, Santa Barbara became the first campus to use the Web Merit system to process October merit increases for policy-covered (unit ‘99’) employees. Other campuses, in particular UCLA and UC Riverside, tested the application extensively or ran the application in parallel with the existing batch merit process (PPP670).

After the October 2005 merit cycles were complete, HR&B ISS solicited feedback from those campuses which had implemented or tested the application, with the goal of identifying critical and high-impact modifications which would allow more locations to use the application.”

In July, 2006, release 1713 addressed the requirements in Service Request 81451 and *some* of the requirements in Service Request 81447.

The remaining requirements from Service Request 81447 are as follows:

1. When a non-authorized user (with MERITCTL or MERITDPT authorization) attempts to access the administration page, the text of the message should be clarified.
2. On the Merit Cycle Definition and Merit Cycle Update screens, a new program type, PSM should be added for extracting both PSS and MSP personnel program types for an ATB cycle. This new program type code and description should also be added to the Program Type help screen.
3. The batch extract program in the PPS system should allow the new cycle type PSM (EDB 2007 values ‘1’ and ‘2’, excluding SMG titles).
4. The “Status” column header should contain a clickable Help link.
5. Any ‘Title Code Range’ criteria entered for the cycle should be displayed on the Cycle Criteria popup page.
6. On both the step-based and open-range rosters, if the cycle status is ‘H’, ‘D’, or ‘C’, the “Save Changes” and “Reset” buttons should not be displayed.
7. A new link should be added to the bottom of the roster page. The link, labeled “Back to Dept List”, should lead the user back to the original Roster Department Selection List page, from where the user accessed the current roster.
8. PPS stored procedures should return Title Code Name and Rate Effective Date to the calling online Web Merit system and these should be displayed on the title code detail page.
9. If the roster is open for input (that is, cycle status is not ‘H’, ‘D’, or ‘C’), instructional text should be added to the top of the roster page.

10. The Cycle Date, translated Cycle Status, Monthly Effective Date, and Biweekly Effective Date should be printed at the roster page.
11. The Cycle ID at the top of the page should be a clickable link. Clicking on the Cycle ID should launch the Cycle Criteria page in a popup window.
12. On the Employee Detail page, the Appointment Type Code (EDB 2020) should be added.
13. When an employee is deleted from a roster, no residual data should be displayed.
14. A feature should be added to the roster to allow deleted employees to be restored to the roster. In the case of an ATB, merit data should be displayed after the employee is restored.

This release also addresses Error Report 2035, which reads:

“For MSP employees, the Title Code Name field in PPPMLA is being set to 'Unknown' even if a code name description is present. The condition occurs when no rate is found. To resolve the problem, PPP675 should be revised such that if a code name is present, the Title Code Name field should be populated even though no rate is found.”

This release also addresses Error Report 2038, which reads:

"UCLA reported that in the Web Merit application, when there are multiple records for a single employee extracted in multiple cycles (for instance in both present and past cycles), the Employee Detail screen does not always display the employee data associated with the correct cycle ID.

Subsequently, it was verified that the SQL query for the Employee Detail screen does not correctly select the employee record based on the currently active cycle ID".

## Processing Overview

### Summary of Modifications

1. The DDL members SPTCTSP2 and SPTCTSP5 that will create the Stored Procedures PPTCTSP2 and PPTCTSP5 respectively will be changed to add the output parameters Title Code Name and Rate Effective Date at the end of the procedure definition. One-time DDL PPOT1722 that will grant execute on Stored Procedures PPTCTSP2 and PPTCTSP5 to the Web Merit system will be created.
2. The Stored Procedures PPTCTSP2 and PPTCTSP5 will have a logic to populate and return the two new output parameters Title Code Name and Rate Effective Date.
3. Logic will be added to the Merit Batch Extract program PPP675 to extract all appointments with program types of PSS and MSP when the value of the Cycle Program Type MCC\_PROG\_TYPE is 'PSM'.
4. Logic will be added to the following web objects to support the requirements:

#### Web/JavaSource/dataAccessBeans

- RosterDataAccessBean.java
- RosterEmpDetAccessBean.java
- CycleIdPerfAccessBean.java

#### Web/JavaSource/displayBeans

- RateTable.java
- RosterBaseObject.java
- ApptDataObject.java

#### Web/JavaSource/eventHandlers

- DeptListHandler.java
- RosterHandler.java

#### Web/WebContent/Javascript

- RosterCycleList.js
- RosterEmpDetail.js

#### Web/WebContent/Pages

- AdminCycleAddNew.jsp
- AdminCycleEdit.jsp
- DisplayProgramType.htm
- DisplayRangeRateTable.jsp
- DisplayStepRateTable.jsp
- RosterCycleList.jsp
- RosterDeptList.jsp
- RosterRangeBased.jsp
- RosterStepBased.jsp
- RosterCycleDetail.jsp
- RosterStepEmpDetail.jsp
- RosterRangeEmpDetail.jsp
- Constant.properties

### Error Report 2035 Changes:

Logic will be added to the Web Merit extract program PPP675 to move Title Code Name from PPTCTUTL call even when rates are not found for an existing Title Code.

**Error Report 2038 Changes:**

RosterEmpDetAccessBean.java will be modified to include cycle id in the selection criteria.

## **DDL Members**

### **SPTCTSP2**

This DDL member SPTCTSP2 creates the Stored Procedure PPTCTSP2. It will be changed to add the output parameters Title Code name and Rate Effective Date at the end of the procedure definition.

### **SPTCTSP5**

This DDL member SPTCTSP5 creates the Stored Procedure PPTCTSP5. It will be changed to add the output parameters Title Code name and Rate Effective Date at the end of the procedure definition.

### **PPOT1722**

PPOT1722 grants execute on Stored Procedures PPTCTSP2 and PPTCTSP5 to the Web Merit system.

## **COBOL Programs**

### **PPP675**

The Online Merit System needs data in its own DB2 tables that has to be populated from the existing PPS tables, residing in DB2 as well. In addition, some of the data going to the new tables needs to be formatted or calculated from other data fields before reaching the Online Merit tables. PPP675 is developed to take care of the extraction from EDB to the Merit tables.

This program PPP675 has the following changes.

1. Logic will be added to extract all appointments with program types of PSS and MSP when the value of the Cycle Program Type MCC\_PROG\_TYPE is 'PSM'.
2. Changes for Error Report 2035:

Currently, Title Code Name is defaulted to 'UNKNOWN' if no rate is present after the PPTCTUTL call for an existing Title Code. Logic will be added to move Title Code Name from PPTCTUTL call even when rates are not found for an existing Title Code.

## **PPTCTSP2**

PPTCTSP2 is the Stored Procedure interface to PPTCTUTL for step based rates. The input parameters identify a rate set that is wanted from the Title Code tables and the output parameter returns the relevant rates, if any. A logic will be added to populate and return the two new output parameters Title Code Name and Rate Effective Date to the calling Web Merit System.

## **PPTCTSP5**

PPTCTSP2 is the Stored Procedure interface to PPTCTUTL for range based rates. The input parameters identify a rate set that is wanted from the Title Code tables and the output parameter returns the relevant rates, if any. A logic will be added to populate and return the two new output parameters Title Code Name and Rate Effective Date to the calling Web Merit System.

## **Web/JavaSource/dataAccessBeans**

- RosterDataAccessBean.java
  - Added title code description and rate effective date in methods getRangeRateTable and getStepRateTable.
  - Changed the methods getStepRateTable and getRangeRateTable to return RateTable object, instead of an array list. This new RateTable object has the rate array list and two more variables for title code description and rate effective date
  - Changed method updateRoster to store the query into a variable for display on error screen (in case of any database errors)
  - Changed method updateRoster to use JDBC batch update
  
- RosterEmpDetAccessBean.java
  - Added new method undeleteEmployee to handle employee undelete operation (restore to roster). The employee delete flag is updated. For ATB merit employees existing new rate/salary information is kept unchanged. For regular merit employees, existing new rate/salary information is updated to default. The comments table record is deleted.
  - Added new method deleteEmployee to handle employee delete operation from roster. The employee delete flag is updated. For ATB merit employees existing new rate/salary information is kept unchanged. For regular merit employees, existing new rate/salary information is updated to default.
  - Error Report 2038 changes: In method setPPPMEE the where clause should be modified to include cycle id.
  
- CycleIdPerfAccessBean.java

- Modified updatePECodes and updatePerfRating to use JDBC batch update

## Web/JavaSource/displayBeans

- RateTable.java
  - New class for rate table data object . Rate data used to be handled in an array. But now, rate stored procedures return two more fields, viz., rate effective date and title code description. To accommodate these changes, this new class was created.
- RosterBaseObject.java
  - Added variables for title code description and effective date
- ApptDataObject.java
  - Added new variable for appointment type code

## Web/JavaSource/eventHandlers

- DeptListHandler.java
  - Added fields mo\_eff\_date and bw\_eff\_date to pass along to roster pages.
- RosterHandler.java
  - Added code to pass along mo\_eff\_date and bw\_eff\_date
  - Added code to handle a new return type of RateTable object from rate table lookup
  - Added code to handle employee undelete from roster (restore to roster) function
  - Modified the employee delete process to invoke new method for deleting employee

## Web/Webcontent/javascript

- RosterCycleList.js
  - Added fields selected\_mo\_eff\_date and selected\_bw\_eff\_date in function validate
- RosterEmpDetail.js
  - Added function Undelete to handle the button 'Restore to Roster' on employee detail page.

## Web/Webcontent/Pages

- AdminCycleAddNew.jsp
  - Added new program type PSM and alphabetized list.
- AdminCycleEdit.jsp
  - Added new program type PSM and alphabetized list
- DisplayProgramType.htm
  - Added new program type PSM and alphabetized list
- DisplayRangeRateTable.jsp
  - Added Title name and effective date
- DisplayStepRateTable.jsp
  - Added Title name and effective date
- RosterCycleList.jsp
  - Added clickable help for Status in the column headings and added hidden fields for selected\_mo\_eff\_date and selected\_bw\_eff\_date

- RosterDeptList.jsp
  - Added hidden fields for mo\_eff\_date and bw\_eff\_date
- RosterRangeBased.jsp
  - Added code to display the "Save Changes " and "Reset" buttons based on status codes
  - Added informational text at the top of the page
  - Made the cycle ID a clickable link to launch the Cycle Criteria page in a popup window.
  - Display cycle status code description
  - Added 'Back to Dept List' link to go back to the top level department list.
- RosterStepBased.jsp
  - Added code to display the "Save Changes" and "Reset" buttons based on status codes
  - Added informational text at the top of the page
  - Made the cycle ID a clickable link to launch the Cycle Criteria page in a popup window.
  - Display cycle status code description
  - Added 'Back to Dept List' link to go back to the top level department list.
- RosterCycleDetail.jsp
  - Added additional title code range display
- RosterStepEmpDetail.jsp
  - Implement employee undelete (restore to roster) functionality.
  - Add display of appointment type code
  - The new rate, new step, cost, FY cost are suppressed (if they have data) for deleted employees
- RosterRangeEmpDetail.jsp
  - Implement employee undelete (restore to roster) functionality.
  - Add display of appointment type code
  - The New Annual Salary / New Rate new rate, %incr, cost, FY cost are suppressed (if they have data) for deleted employees
- Constant.properties
  - Change message text for invalid access to merit cycles