Error Report 2427
MCB Recalculated Inappropriately

Technical Specification

February 2, 2012
Prepared by Maxine Gerber

Information Resources & Communications
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>12/22/11</td>
<td>Maxine Gerber</td>
<td>initial draft</td>
</tr>
<tr>
<td>1.1</td>
<td>02/02/12</td>
<td>Emma Sebastian</td>
<td>Finalized TSD with no specification changes to initial draft.</td>
</tr>
</tbody>
</table>
Table of Contents

Version History .................................................................................................................................................. 1
1 Introduction.................................................................................................................................................... 3
   1.1.1 Error Report 2427 .......................................................................................................................... 3
2 Background ................................................................................................................................................... 3
3 Overview of System Modifications .............................................................................................................. 3
   3.1.1 EDB Maintenance Process ............................................................................................................... 3
4 Design Considerations ................................................................................................................................ 3
5 Testing Considerations ................................................................................................................................. 3
6 Mainframe Design ...................................................................................................................................... 3
   6.1.1 Cobol Programs ............................................................................................................................... 3
7 Unit Testing Requirements .......................................................................................................................... 3
1 Introduction

1.1 Error Report 2427

Berkeley reported that MCBs are being re-calculated inappropriately during batch EDB update processes.

2 Background

Program PPEI720 determines whether to re-calculate the MCB for employees when certain data elements have been changed. In release 1885, a change was made to this program to re-calculate the MCB for a rehired employee after a 120-day break in service. RECALC-MCB-SW was added to this program, but is not initialized each time the program runs. So, in a batch process, once an employee’s MCB is recalculated due to a rehire after a 120-day break in service, the switch stays on and all other employees in the batch who trigger PPEI720 also have their MCBs recalculated.

This can cause the employees’ insurance premium to change, resulting in incorrect deductions during the compute.

Hosted Applications has added a local modification to PPEI720 to initialize the flag and this is preventing the problem from occurring.

3 Overview of System Modifications

3.1 EDB Maintenance Process

Implement the PPEI720 code provided by Hosted Applications.

4 Design Considerations

5 Testing Considerations

Testing should primarily consist of creating a test batch which will cause the problem to occur, and then verifying that it does not occur after the change is made.

6 Mainframe Design

6.1 Cobol Programs

6.1.1 PPEI720

PPEI720 performs consistency edits and maintenance on insurance salary bases and the Medical Contribution Salary Bases (MCBs). Modifications are as follows:

- In 1010-IMPLIED-MAINTENANCE, initialize the RECALC-MCB-SW. See the code currently in use by UC Hosted Apps.

7 Unit Testing Requirements

Unit testing is essentially the same as QA testing. Work with QA to get a set of test batch transactions.