Service Request 100699

Enhancements to PPP6005 Report - EDD Quarterly Contribution Return and Report of Wages “UI” File

Technical Specification

June 11, 2014
Prepared by Kathy Stevens
Information Resources & Communications
Office of the President
University of California
**Version History**

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<th>Version #</th>
<th>Date</th>
<th>Revised By</th>
<th>Reason for Change</th>
</tr>
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<td>1.0</td>
<td>6/11/2014</td>
<td>Kathy Stevens</td>
<td>Initial version</td>
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1 Introduction

Service Request 100699 requests a change to program PPTAXUIR to display employees with invalid characters. This change will be reflected on the PPP6005 UI Wages and California SWT Exceptions Report to include all employees with invalid first or last names on this report so that campuses can use this information to correct the name on the EDB.

2 Background

SR83741 was created to modify the file format for processing the Quarterly Contribution Return and Report of Wages (DE 9C) with the Employment Development Department (EDD) from the current format to XML. The PPP6005 change was originally part of SR83741; however, it was later determined that it should be addressed in a separate BRD because it is a change to the Payroll system and not the PIN process.

3 Overview of System Modifications

Employees with invalid first name or last name will be written to the PPP6005 Exception Report. This will enable the campuses to correct the name on the EDB and request a rerun. These employees will still ALSO be written to the UI Unemployment Insurance (UI) Extract file (ddname CALUI) from PPTAXUIT. The message “invalid name” will appear on the next line below the name.

A name will be deemed invalid if it contains other than alpha, space or the following allowed characters: .&’/-

4 Design Considerations |

4.1 Assumptions and Dependencies

Although a comma in a name is an allowed character and will not cause the name to be written to the exception report, it is handled differently in the PIN ETL process. Any commas in the first or last name will be stripped out. This is because an intermediary file is create in this process that is comma delimited and an additional comma prevents the subsequent data from being processed correctly.

If the name is not corrected by the campus, it will go thru as is to the PIN ETL process. Any other special characters than listed above or numbers will be handled by the PIN ETL process by substituting the invalid character with an ampersand.

Middle Initial is not being validated. This is an optional field on the EDD UI interface file and if not an alphabetic character, the PIN ETL process does not include it on the record.

4.2 General Constraints

Current logic that identifies exceptions as those with a combination of negative and zero quarterly amounts will not be changed.

4.3 External Impact

Campuses have been instructed to review this report and correct any names that are displayed.
5 Testing Considerations

Names can be modified in an environment on the EDB that contain:

- Invalid characters – ex. Jo$n Smith
- Valid characters – ex. Marjorie-Miller Gabriel

6 Mainframe Design

6.1 Report Maintenance Changes

6.1.1 COBOL Program

6.1.1.1 PPTAXUIR

R0001 – in 10000-EMPLOYEE-REPORT-LINE

IF NOT TXUI-EMP-EXCEPTION
   PERFORM 11000-UI-WAGES-EMPLOYEE-LINE
ELSE
   PERFORM 12000-UI-EXCEPTION-EMP-LINE.

Determine if First or Last Name is Invalid
IF INVALID-NAME
   Test if just wrote exception (ie RPT005) record for employee
   (ie TXUI-EMP-EXCEPTION is True
   and TXUI-EMP-SSN = SSN-STRUCTURE )
IF NO,
   Move 'YES' to UI-EXCEP-ONTAPE-IND
   Format RPT005 line
   Write RPT005 line
   Move ‘INVALID-NAME’ to message-line
   Write RPT005 line from message-line
IF YES,
   Move 'NO' to UI-EXCEP-ONTAPE-IND
   Move 'INVALID-NAME' to message-line
   Write RPT005 line from message-line

R0002 – in new paragraph 14000-DET-NAME-VALID

Test Each char in name for other than alpha, space, or allowed special characters
IF True
   Set INVALID-NAME to True
7  Unit Testing Requirements

7.1  Set-up

Load a test environment from Base, which is to May 1, 2014. This includes EDB, CTL, IID, PAR. Remove all programs from test region.

7.2  Methodology

Two separate tests will be needed to ensure that the existing PPP005 report is unchanged in regards to displaying employees with a combination of negative and zero quarterly amounts.

Before Test:
1. Set-up test cases by modifying names on the EDB.
2. Run a before test with jcl pointing all programs to base.
3. Keep UI Extract File from before test

After Test:
1. Install the changed batch program into the test region.
2. Run an after test with jcl pointing to changed program in environment
3. Compare before and after UI Extract files; Should be identical.
4. The PPP6005 report should show same individuals with negative amounts but with the addition of all employees with invalid names.

7.3  Test-Cases

- Modify amounts on 3 employees to cause it to be on the exception report because of negative amts; Change amounts on PPPPCM if 3 employees not found with
  - Negative – QTD UI GROSS, QTD SWT GROSS & QTD CA STATE TAX
  - Modify one of these 3 to have a name with a valid special character
  - Modify one of these 3 to have an invalid name
- Change First and/or Last Names on EDB:
  - Valid Names (first or last) with an allowed special character – Expected results are will be on UI Extract File but not listed on Exception Report
    - Name with a space
    - Name with a period
    - Name with a single quote
    - Name with a double quote
    - Name with an ampersand
    - Name with a slash
Invalid Names (first or last) with an allowed special character - Expected results are will be on UI Extract File and **listed** on Exception Report

- Name with a $  
- Name with a numeral  
- Name with a parenthesis  
- Name with an asterisk  
- Name with a pound sign  
- Name with an exclamation mark  
- Name with a plus signs
### Example of Report:

<table>
<thead>
<tr>
<th>EMPLOYEE NAME</th>
<th>ID. NO.</th>
<th>SOC SEC NO</th>
<th>EDB</th>
<th>UI GROSS</th>
<th>DEP/TIP</th>
<th>UI GROSS</th>
<th>CA SWT GRS</th>
<th>CA SWT TAX TAPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yuen, Garrick K</td>
<td>732196126</td>
<td>*<strong>-</strong>-8909</td>
<td>.00</td>
<td>.00</td>
<td>.00</td>
<td>1,345.85</td>
<td>37.01</td>
<td>No</td>
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<tr>
<td>Ucclin, Florian</td>
<td>123456789</td>
<td>*<strong>-</strong>-9992</td>
<td>.00</td>
<td>.00</td>
<td>.00</td>
<td>360.85</td>
<td>10.00</td>
<td>Yes</td>
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<tr>
<td>Piattie, Theresa</td>
<td>234567891</td>
<td>*<strong>-</strong>-9993</td>
<td>.00</td>
<td>.00</td>
<td>.00</td>
<td>15.00</td>
<td>5.00</td>
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**Page Total**

<table>
<thead>
<tr>
<th>EDB</th>
<th>UI GROSS</th>
<th>DEP/TIP</th>
<th>UI GROSS</th>
<th>CA SWT GRS</th>
<th>CA SWT TAX TAPE</th>
</tr>
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<tbody>
<tr>
<td>.00</td>
<td>.00</td>
<td>.00</td>
<td>.00</td>
<td>1,000.00</td>
<td>32.01</td>
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</table>

**Grand Total**

<table>
<thead>
<tr>
<th>EDB</th>
<th>UI GROSS</th>
<th>DEP/TIP</th>
<th>UI GROSS</th>
<th>CA SWT GRS</th>
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**Total Number of Exception Employees:** 3