Service Request 83457
UCRS Dummy SSN Assignment

Technical Specification

September 27, 2011 (DRAFT)
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>9/27/11</td>
<td>Maxine Gerber</td>
<td>Initial Version</td>
</tr>
</tbody>
</table>


# Table of Contents

Version History ........................................................................................................................................................................... 1  
1 Introduction .................................................................................................................................................................................. 3  
   1.1 Service Request 83457 ......................................................................................................................................................... 3  
   1.2 Error Report 2428 ............................................................................................................................................................ 3  
2 Background ................................................................................................................................................................................. 3  
3 Overview of System Modifications ............................................................................................................................................... 3  
   3.1 UCRS Interface .................................................................................................................................................................... 3  
4 Design Considerations ............................................................................................................................................................... 3  
   4.1 Assumptions and Dependencies .......................................................................................................................................... 3  
   4.2 General Constraints ............................................................................................................................................................ 3  
   4.3 External Impact .................................................................................................................................................................... 3  
      4.3.1 UCRS ............................................................................................................................................................................. 3  
5 Mainframe Design ........................................................................................................................................................................ 4  
   5.1 UCRS Interface .................................................................................................................................................................... 4  
      5.1.1 Cobol Programs .......................................................................................................................................................... 4  
6 Unit Testing Requirements ........................................................................................................................................................... 4
1 Introduction

This is the technical specification for PPS changes related to Service Request 83457 and Error Report 2428.

1.1 Service Request 83457

This service request asks for a change to the method of assigning dummy SSNs assigned in the UCRS interface files.

1.2 Error Report 2428

This error report says that a change to program PPI730 was requested for release 1695 but was never made (the change was made in program PPI740). The problem is that the dummy SSN is only derived for selected campuses and should be derived for all.

2 Background

Currently, dummy SSNs are created by replacing the first digit of the employee ID with “8”. The IRS has begun to assign SSNs beginning with “8”, so the dummy SSNs may conflict with real ones in UCRS.

3 Overview of System Modifications

3.1 UCRS Interface

Programs PPI730 and PPI740 create interface files to UCRS. They both contain logic to replace a zero SSN with either the Fidelity ID, if one exists, or to derive a dummy SSN using the employee ID with the first digit replaced by “8”. Both of these programs will be modified to use the new method to derive the dummy SSN.

4 Design Considerations

4.1 Assumptions and Dependencies

- None

4.2 General Constraints

- None

4.3 External Impact

4.3.1 UCRS

When this release is installed for a campus, the interface files from that campus will begin to have records with dummy SSNs beginning with “9” instead of “8”. There will probably be a period during which UCRS will receive both 8’s and 9’s when some campuses have installed the release and others have not.
5 Mainframe Design

5.1 UCRS Interface

5.1.1 Cobol Programs

5.1.1.1 PPI730
PPI730 creates the UCRS transaction file from the month-end PAR.

PROCEDURE DIVISION
In section 33500-SSN-CHECK, modify the code which derives the SSN as follows:

- Move the employee ID to the SSN field (as is currently being done).
- Remove the code which only derives the SSN for locations 1, 2, 3, 4, 6 and 9. It should be derived for all locations.
  This addresses error report 2428.
- Move “9” to the first digit of the SSN field (instead of 8 as is currently being done).
- If the first three digits of the SSN field are “998”, move “0” to the second digit of the SSN field.

5.1.1.2 PPI740
PPI740 produces the monthly UCRS maintenance interface file.

PROCEDURE DIVISION
In section 02410-VALIDATE-SOCIAL, modify the code which derives the SSN as follows:

- Move the employee ID to the SSN field (as is currently being done).
- Move “9” to the first digit of the SSN field (instead of 8 as is currently being done).
- If the first three digits of the SSN field are “998”, move “0” to the second digit of the SSN field.

6 Unit Testing Requirements

- Create test cases for employees with zero SSNs who do not have Fidelity IDs, with some who have “98” as the 2nd and 3rd digit of their employee IDs and others who don’t.
- Create a PAR for those employees.
- Run PPI730 and PPI740 to generate the UCRS files. Confirm that the correct dummy SSN is generated.