Service Request 83510
ScholarShare Transition from Fidelity to TIAA-CREF
Phase II

Technical Specification
## Version History

<table>
<thead>
<tr>
<th>Version #</th>
<th>Date</th>
<th>Revised By</th>
<th>Reason for Change</th>
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<tbody>
<tr>
<td>1.0</td>
<td>1/18/12</td>
<td>Maxine Gerber</td>
<td>Initial Draft</td>
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<td>• Changed new program to PPP493 instead of PPP492.</td>
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<td>Miscellaneous corrections after development.</td>
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1 Introduction

This document is the PPS technical specification for changes related to Phase II of SR83510, ScholarShare Transition from Fidelity to TIAA-CREF.

1.1.1 Service Request 83510

This service request asks for changes to support the transition of the management of the ScholarShare Program from Fidelity Investments (Fidelity) to TIAA-CREF (TC). Phase I provided for a one-time reconciliation report between the file provided by TC and the EDB. Phase II addresses the PPS changes to support the transition.

2 Background

Beginning November 4, 2011, management of ScholarShare transferred from Fidelity Investments (Fidelity) to TIAA-CREF (TC) following Fidelity’s contract expiration.

Release 2000 temporarily discontinued the ScholarShare deductions in PPS to allow time for development of the TC interface.

SR83510 requests the changes needed to provide the TC interface. Phase I provided one-time report to reconcile TC’s data with the EDB. Phase II includes PPS and PIP changes needed to support the transition.

3 Overview of System Modifications

3.1.1 Control Table Updates

The GTN table will be updated to reactivate the ScholarShare deduction, GTN 600.

The NGL & NGO tables will be updated to remove the ScholarShare deduction (GTN 600) from the NACHA process.

3.1.2 Compute Process

Program PPP490 will be run after each compute to produce a ScholarShare deduction report and file.

A Standard Deduction report will be created by a new execution of PPP490, with ScholarShare deduction information.

A new program will be developed to create a new interface file for BFDS with the ScholarShare deduction information for each employee in the compute.

3.1.3 One-Time Process

A one-time program will be developed to change the DDG table entries to the new bank numbers. This will not affect any processing, but is being done to avoid having incorrect information in the table.

3.1.4 VSFTP

A new vsftp account will be established for BFDS.

New folders should be established in each campus’ vsftp account for the new interface files.

3.1.5 PIP

A PIP process will be developed to encrypt campus files from PPS and place them in the BFDS folder on UCOP’s vsftp server.
4 Design Considerations

4.1 External Impact

- BFDS will be receiving and decrypting the interface file and reconciling it with the ACH transmissions from each campus.
- Campuses must arrange for the ACH transmission after each compute based on the total in the PPP490 report.

5 Testing Considerations

Testing should include vendor testing with BFDS. It may be necessary to use campus data for this.

6 VSFTP Design

A request should be sent to the Unix group to do the following:

- Create a new account for BFDS and the following directory:
  /ftpother/ftpusrbfds/get/sch
- For each campus account, create a new directory
  /ftphome/ftpusrX/put/sch
Permissions should be set on these directories such that user isclib has read/write access  
(PII.R0009)

7 PIP Design

- Public encryption key for BFDS will be added to pippro’s keyring on BERT
- Directory structure will be added to BERT
  - /apps/iscp/pro/pip/data_in/BFDS
  - /apps/iscp/pro/pip/data_out/BFDS
- Two scripts will be added to BERT
  - One in /apps/iscp/pro/pip/cryption/ to encrypt the file
  - One in /apps/iscp/pro/pip/ to copy files from campuses directories on vsftp, call the encryption script to encrypt them, put them back on vsftp in the BFDS directory and to rename the input file in the campus directory
- Each day, a PIP process will run to do the following:
  - Look for any new files in /ftphome/ftpusrX/put/sch.
  - Copy the files to /ftphome/ftpusrX/put/sch
  - Encrypt the vendor files and rename without the SCH_ at the beginning and with a .pgp extension.
8 Mainframe Design

8.1 Compute

8.1.1 Control Table Updates

8.1.1.1 CTL Database

UPAY forms are included with the requirements document and will contain detailed CTL update transactions. These will be keyed by the programmer and applied to the CTL database by running program PPP004.

8.1.1.1.1 GTN

PPPGTN contains data for each deduction/reduction/contribution that is used to calculate net pay, such as the scheduling of the GTN, balances to be maintained for the GTN, calculation routines, permitted values, related GTNs, and FAU information for expense distribution. For more details, see GTN table processing.

One transaction will be generated to update the GTN_STATUS from I to spaces for GTN 600, using UPAY545.

This will cause the ScholarShare deduction to be taken from the participant’s gross pay

8.1.1.2 NGO/NGL

PPPNGO contains data for each organization whose deductions are processed via NACHA, such as the organization identifier, prenote data, and format processing routine. JCL Changes

PPPNGL contains the GTNs associated with each distinct NACHA GTN organization link.

Transactions should be generated to end-date GTN 600 in these two tables, using UPAY918.

This will cause GTN 600 to be excluded from the ACH process and 430 reports.

8.1.1.3 MSG

Two new messages should be added to the system messages table, PPPMSG.

- INPUT DEDUCTION FILE FOR SCHOLARSHARE IS EMPTY
- DEDUCTION GTN IS NOT SCHOLARSHARE (600)

8.1.2 Cobol Programs

8.1.2.1 PPOT2030 (new)

This will be a one-time program to change the bank information in the DDG records on the EDB to the new values for TIAA-CREF.

Processing will be similar to PPO1840A.

Inputs and Outputs
Inputs
- PPPDDG DB2 table
- Spec card indicating report or update mode

Outputs
- PPPDDG DB2 table
- Employee Change File, for generation of PPP180 report
- Run statistics report

WORKING-STORAGE
Define a DB2 cursor joining (on employee ID) the DDG table to the PAY table. Limit DDG rows to those where DDG_GTN_NUMBER = ‘600’. Obtain all DDG columns and just the social security number from the PAY table.

PROCEDURE DIVISION
Loop through the cursor as follows:
- Change the DDG_TRANSIT_NUM field to “011000028”.
- Generate the new DDG_ACCT_NUM by concatenating “99058463” and the employee SSN.
- Write the ECF record.
- If running in update mode, update the DDG table with the new values.

8.1.2.2 PPP493 (new)
(PIL.R0004)
(PIL.R0010)
This program will be run for each compute. It will create the new interface file which will be sent to UCOP’s vsftp so that it can be encrypted and delivered to BFDS. It will use the output a new execution of program PPP490 which will contain all of the ScholarShare deductions for the compute.

This program will be similar to PPP491 which produces an interface to Cal Casualty. PPP491 can be used as a model for this program.

Inputs and Outputs

Inputs
- TAPEFILE output from PPP490 run for GTN 600.

Outputs
- New interface file. See BRD for layout.
- Standard control totals report.

PROCEDURE DIVISION
- Loop through the input file. For each record:
  - Format and write a record to the interface file.
  - If the input file is empty, indicating that there were no ScholarShare deductions from this compute, set the return code to 0003. (The FTP step should be skipped if this occurs).
8.1.3  Bind Members

8.1.3.1  PPOT2030 (new)
Plan bind member for PPOT2030.

8.1.3.2  PPP493 (new)
Plan bind member for new program PPP493.

8.1.4  JCL Updates

8.1.4.1  PPOT2030 (new)
Sample JCL for running PPOT2030
(PII.R0008)

8.1.4.2  PPP490
A new execution of existing program PPP490 should be scheduled for each compute to create a deduction report and file containing the ScholarShare deduction information. The report will be sent to campus payroll offices and will provide the total dollar amount to be used for the ACH transmission. The output file (TAPEFILE) will be used by program PPP493 to create the interface file for BFDS.

(PII.R0012)
The spec card for this execution should be as follows:

```
---+---1---2---3---4---5---6---7---8---9---10---11---12---13---14---15---
//CARDFIL DD *
AT600 600 ScholarShare Deduction Report *
DR600600                                                SAI1  T
---+---1---2---3---4---5---6---7---8---9---10---11---12---13---14---15---
```

For reference, the following is a description of the spec card columns. UPAY643 also describes the spec cards.

```
CARD 1:
CC 1- 2 'AT'
CC 3- 5 REPORT IDENTIFICATION
CC 6-55 DESCRIPTIVE TITLE INFORMATION
CC 56-80 SPACES

CARD2:
CC 1- 2 'DR'
CC 3- 5 REPORT IDENTIFICATION
CC 6-50 UP TO 15 (3 DIGIT) DEDUCTION NUMBERS
CC 51-55 SPACES
CC 56 REPORT TYPE
    S - STANDARD REPORT
    D - DETAILED REPORT
CC 57 SELECTION CRITERIA
    A - ALL EMPLOYEES WITH ANY ACTIVITY
    C - LIST ONLY EMPLOYEES WITH CURRENT ACTIVITY
    S - LIST ONLY EMPLOYEES WITH SUSPENDED BALANCES
CC 58 REPORTING SEQUENCE
    I - EMPLOYEE IDENTIFICATION NUMBER ORDER
```
8.1.4.3 PPP493 (new)

(PII.R0004)

This is the JCL to create the new interface. See the sample JCL for program PPP491 in release 1835.

This process should be added to the post-compute process immediately after the new run of PPP490.

- The first step will execute new program PPP493. It uses the TAPEFILE output from PPP490 as input.
- A second step will FTP the file to the UCOP vsftp server. This step may not need to be included in the sample JCL, but should be included in the installation instructions:
  - The file should be placed in directory /ftphome/ftpusrX/put/sch
  - The file name should be SCH_UCllccmmddyy where
    - UC is constant
    - ll = 2-digit location code
    - cc = pay cycle (MO, BW, etc.)
    - mmddyy = check date. Note that most interface files use the pay period end date, but in this case the check date must be used.