

**Release 1487**

**Service Request 14888  
ScholarShare**

**Test Plan**

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### **Load DB2 CTL Database (LOADCTL)**

Load the DB2 CTL.

This includes all the CTL table updates except the Gross-to-Net Table changes which are tested as part of this test plan. It does reflect the PPPGTN DDL changes however.

#### **Verification**

Confirm the job ran to successful completion.

### **Load DB2 CDB Database (LOADCDB)**

Load the DB2 CTL History database.

It contains the PPPGTNH DDL changes.

#### **Verification**

Confirm the job ran to successful completion.

### **Load DB2 EDB Database (LOADEDDB)**

Load the DB2 EDB. It contains the DDL changes for the new PPPDDG table.

#### **Verification**

Confirm the job ran to successful completion.

The SPUFI list should show two entries on the PPPDDG table for ID's 333333010 and 333333011.

### **Update the Gross-to-Net Table (RUN004)**

This job updates the Gross-to-Net Table. A new Direct Deposit GTN Indicator has been added to the GTN Table. GTN's must be coded with a Y in this field in order to use the GTN in rows on the new Direct Deposit Table. This is the first step in adding a new GTN to the Direct Deposit process.

The UPAY545 form has been modified to include the new field.

This job adds ScholarShare GTN 600, and attempts to update the Direct Deposit GTN Indicator for three other GTN's.

#### **Verification**

The PPP0400 report shows the edit results for the attempted update.

The ScholarShare GTN 600 Add transactions was accepted.

The GTN 500 and 501 Change transactions was accepted, the first setting the Direct Deposit Indicator to Y, the latter to N.

The GTN 502 transaction was rejected due to an invalid value.

The PPP0402 report shows the result of the updates. The indicator is at the far right of the first line of each GTN entry. Confirm that GTN's 500 and 501 were changed. Confirm that GTN 502 was not changed. Confirm that GTN 600 was added.

### **Update the Gross-to-Net History Table (RUN741)**

This job updates the Gross-to-Net History Table from the Gross-to-Net Table changes. The new Direct Deposit GTN Indicator has also been added to the GTN History Table.

#### **Verification**

The SPUFI list displays the entries for GTN's 500, 501 and 600. There should be a new row for each, with the appropriate Direct Deposit GTN Indicator value for each new row.

## **EDB Batch File Maintenance (RUNFM)**

This job updates the EDB with batch DG and X1 GTN 600 transactions. Although the path for update for ScholarShare is via the daily process, the architecture for processing the DG transaction type has been added to the explicit update process. This provides a path for future Direct Deposit GTN's. It is important to remember that the edits in this process are **very minimal**. The GTN must be so indicated on the GTN Table, and the transaction ADC Code, Transit Number, Bank Account Number and Bank Account Type must not be spaces. The ADC Code must be consistent with the existence, or not, of current data.

Before any future DG GTN is added, if the intent is to update via this path, transaction edits will need to be defined, and the appropriate code added to the programs in this path.

Two DDG entries already exist on the EDB for ID's 333333010 and 333333011.

### **Verification**

The first PPP1001 report shows the messages issued by PPP080.

The 333333003 DG transaction for GTN 800 was rejected because GTN 800 is not defined with a Direct Deposit Indicator of Y.

The 333333010 DG transaction was rejected because it had an Add ADC Code and an entry already exists.

The DG transactions for ID's 333333016, 333333017 and 333333018 were rejected due to missing data on the DG transaction. Again, note, this is a minimal edit associated at this time only with ScholarShare.

The DG transaction for ID 333333999 was rejected because the ID does not exist on the EDB.

The second PPP1001 report shows the messages issued by PPP120. For each of the rejected DG transactions, the complete transaction set should be rejected.

The PPP1800 report lists the EDB Change File. The rejected updates should not appear. Note that ID 333333011 shows a change. Unlike the transaction for ID 333333010, the 333333011 transaction ADC Code was C.

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The PPP2501 report shows the results on the EDB. Confirm that the expected updates are reflected.

## **March MO Compute (COMMARMO)**

This job runs a March MO Compute. This tests the reporting of GTN 600 as a Direct Deposit GTN, aka a Surepay GTN. It especially tests the inclusion or exclusion of data on/from the Automated Clearing House (ACH) file.

Even though the ScholarShare transit and account numbers come from the new PPPDDG table, the GTN has been added to the CPWSXNGO copymember used to define direct deposit GTN's and organizations. Most of the Compute processes related to direct deposit GTN's on the ACH file are driven off this copymember, and thus did not require modification. The main work was in PPP430, where the normal process is interrupted for defined GTN's, at this time only GTN 600, in order to obtain the transit and account numbers from the PPPDDG table rather than from the single transit and account numbers defined for other direct deposit organizations in the CPWSXNGO copymember.

A few one-time transactions for GTN 600, two DS transactions and one RF transaction, are processed. These should process normally through the Compute, but will only reach the ACH file if the employee has an appropriate PPPDDG entry.

### **Verification**

Taking the last report first, the PPP4401 report shows the GTN 600 deduction activity. Not all the ID's that were added during EDB Maintenance were paid, but most were. The one-time transactions should appear as well.

The PPP4103 report of GTN Activity shows the GTN 600 activity. The two one-time DS transactions and one RF transaction are included. Note that this shows payroll deduction activity, and does not necessarily reflect what will end up on the ACH file, as we shall see.

The PPP4207 report shows GTN Surepay (sic) activity. The ScholarShare data is displayed. This report shows activity that will be blocked for negative net value if an organization does not accept negative amounts. TIAA-CREF, the organization for ScholarShare, is defined in the CPWSXNGO copymember as not accepting negative amounts. ID 333333001 has a G-Balance of 101.00, but a one-time RF transaction was processed for 102.00. The net is -1.00, which will **not** be added to the ACH file.

The PPP4207 Bank Disbursement Request report shows all GTN Surepay. The ScholarShare data is included.

The Advice for ID 000000001 shows an OTHER deduction for ScholarShare, in this case the result of a one-time DS transaction.

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The PPP4302 Surepay Employee Activity report shows direct deposit GTN activity in the far right column under Deduction Amt. The ScholarShare transactions are bunched on page 1. Note that the bank transit field contains 123456789, per their DDG entries, and the bank account numbers contain the individual account numbers, again per their DDG entries. The other two direct deposit GTN amounts are for Fidelity 403b.

The PPP4303 Surepay Bank Activity report shows the records batched by bank transit number. Page 4 shows the ScholarShare batch. Note that the total amount is 886.00, which does not agree with the earlier reports. This is due to blocked activity.

The PPP4306 Blocked GTN Surepay Activity report shows the blocked transactions.

ID 333333001, due to the refund, has a negative net, and thus is blocked for ScholarShare.

ID's 000000001 and 000050130 had one-time activity, but no DDG entry, so without a known transit or account number, these transactions cannot be added to the ACH file. The net blocked amount is 130.00. When added to 886.00, this is 1016.00, which is the total reported back on the PPP4103 report, and the GTN Amount on the PPP4207 report. The latter report shows a Transmitted Org Amount of 1017.00. This reflects the blocked negative amount, but not the missing DDG amounts. If you subtract 131.00 from 1017.00 you get 886.00, the true amount shipped.

## **Expense Distribution (Expense)**

This job processes the March MO Compute PAR file for Expense Distribution. In Base account information is obtained from the Account/Fund Profile, which has been set up for ScholarShare for account 115052. If this does not exist on the local FAU version of the Account/Fund Profile, the "ScholarShare" description will not appear.

### **Verification**

Confirm the ScholarShare account appears on the PPP5304 Expense Distribution Gross-to-Net Summary report. Confirm it is also included in the GTN Surepay Entries, and is credited to Salary and Wages Payable (115010) as requested in the Service Request.

## **IVR/Web/ScholarShare Daily Process (RUN130IV)**

This job executes PPP130 running the Special Daily Process for IVR/Web sourced, and now TIAA-CREFF sourced, data.

### **Verification**

Like IVR and Web sourced data, the presumption is that the data is correct. Aside from the more complex health benefits related transactions, minimal editing is performed in this process, primarily BELI eligibility (not relevant here), existence on the EDB, and ADC Codes.

The PPESTRP1 report shows the rejected transactions.

ID 000050005 is a Change record and is rejected because an entry does not already exist.

ID 333333005 is an Add record and is rejected because an entry does already exist.

ID 333333020 is a Delete record and is rejected because an entry does not already exist.

ID 333333999 is rejected because the ID is not on the EDB.

ID 000050002 is a transaction for GTN 700 which is invalid as a Direct Deposit GTN. It is not rejected because the Daily process assumes correct GTN's are coming through. Unlike EDB Update, there is no check of the Direct Deposit GTN Indicator. However, the X1 transaction is not even processed because each transaction must be identified to the process and an X1 for GTN 700 is not so identified. The end result is that the DDG entry will exist, but the G-Balance will not. This should not occur in production, assuming the TIAA-CREF process is working correctly.

The PPESTRP2 report shows transaction counts. The DG transaction is now included. Note that the Total Recs Added refers to records added to the PPPEST table for processing, not a count of records which pass the final edits.

The PPP1800 report displays the EDB Change File. Note that ID 333333001 was successfully deleted, and ID 333333003 was changed. And the various other Add's also worked.

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The PPP2501 report displays the results on the EDB. Note that ID 000050002 does indeed have a DDG entry but no G-Balance. Note that ID 000050005 does not have a DDG entry, and the accompanying X1 G-Balance amount was backed out as well.

## **IVR Extract (RUNIVR)**

This job creates IVR update and history files. GTN 600 has been added to the Deduction files. The record should contain a G-Balance, zero D-Balance, Y-Balance if any, and a low value Effective Date (Sybase 01/01/1900).

### **Verification**

The records are by SSN, but for most test cases the SSN matches the ID so records can be identified. The FileAid steps extract records from the Deduction Update and History files for GTN 600.

The first update record shows the 103.00 G-Balance, zero D-Balance, zero Y-Balance and low value Effective Date. The next record for ID 333333004 shows the 104.00 G-Balance, zero D-Balance, 104.00 Y-Balance and low value Effective Date. Similar results can be seen on the history records.

## **Employee ID Change (RUN040)**

This job executes PPP040 to perform an ID change. It tests that the new PPPDDG table has been included in the process.

### **Verification**

The first PPP2501 report shows the data for ID 333333011, and that ID 444444011 does not exist.

The second PPP2501 report shows the results. ID 333333011 now has a stub record. ID 444444011 now exists with the previous 333333011 data, including the PPPDDG data.

### **ScholarShare Activity Reporting (RUN490)**

Service Request 14888 a new report, either regular or ad hoc, be provided to report on employee participation in ScholarShare. The Detail Design Differences from Requirements noted that the standard PPP490 report seemed to provide the necessary information, and thus no new report would be created.

This job shows sample reporting of GTN 600 activity on the March MO Compute PAR file.

#### **Verification**

The PPP4903 report shows the GTN 600 activity. Note that this reports deduction activity, and does not necessarily, and in this case does not, reflect what was included on the ACH file.

## **CTL Consistency Edits (PPCB02)**

Originally the PPPBUF table only contained covered entries, and that is when the edit for a blank UDUE Base was added to PPCB02. Message 01-954 is issued when the UDUE Base is blank.

Release 1430 added uncovered entries to the PPPBUF table, and modified the previous called version of PPCB02 to bypass uncovered entries for this edit.

Unfortunately this code was not added to the staged stand-alone version of PPCB02 that was being prepared for Release 1460. That version of PPCB02 incorrectly issues message 01-954 for uncovered entries. Error Report 1856 reported this problem.

PPCB02 has been modified to bypass uncovered entries for this edit. A before and after test could be performed to compare results. The result here is for the version modified for this release.

### **Verification**

Confirm the PP0198 report does not contain any 01-954 messages for uncovered entries on the PPPBUF table.

## **Online Testing**

This testing confirms that GTN 600 G-Balances can be updated when an employee has a matching PPPDDG entry, but that they cannot be established for ID's that do not have a matching PPPDDG entry.

### **Verification**

Using one of the ID's with a PPPDDG entry and G-Balance, e.g. 333333004, use the EDED and EGTN screens to modify the G-Balance amount for GTN 600. Zero out and then re-establish a G-Balance. Confirm that a D-Balance and Effective Date cannot be added.

Using one of the ID's with a PPPDDG entry and G-Balance that was paid in the Compute, e.g. 333333004, use the IDED and IGTN screens to confirm that the G-Balance and Y-Balance are displayed for GTN 600.

Using any ID without a PPPDDG entry, use the EDED screen to attempt to set up a G-Balance for GTN 600. Confirm that Employee Reject message 08119 is issued on the ECON screen and that the update is blocked.