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| Re: | Release: | 1592 |
| | Service Request: | 16932 |
| | Programs: | PPCTC09, PPCTNGLE, PPCTNGLU, PPCTNGOE, PPCTNGOU, PPCTR45, PPCTT45, PPCTT45A, PPCTT45B, PPEC717, PPEG600, PPEULOAD, PPGETMN, PPNGOUT2(new), PPP420, PPP430, PPP520, PPP530, PPWEDDG (new), PPWIDDG (new), USER08, USER12 |
| | Copymembers: | CPCTNGLI (new), CPCTNGOI (new), CPLNKNGO (new), CPWSEDDG, CPWSGETM, CPWSRNGI (new), CPWSRNGO (new), CPWSXCWA, CPWSXIC2, CPWSXIDC, CPWSXRTN |
| | Include Members: | PPPVZGNI (new), PPPVZNGO (new) |
| | DDL Members: | IXNGL00C (new), IXNGO00C (new), PPPVZNGO (new), PPPVZNGO (new), TBNGL00C (new), TBNGO00C (new), TSNGL00C (new), TSNGO00C (new) |
| | Bind Members: | PPP004, PPP080, PPP120, PPP420, PPP430, PPP520, PPP530, PPWEDDG (new), PPWIDDG (new) |
| | CICS Maps: | PPIDDG0 (new), PPEDDG0 (new) |
| | Forms: | UPAY907B, UPAY918 (new) |
| | Table Updates: | Data Element-to-Screens Table, Data Element Table, System Messages Table, NACHA GTN Organization Table (new), CICS Help |
| | Urgency: | Not Urgent (see Timing of Installation) |

This release addresses Service Request 16932:

In Release 1487, TIAA-CREF ScholarShare was established as an organization using the Direct Deposit Gross-to-Net method in the Payroll/Personnel System, (PPS). In order to accommodate the remittance arrangement for ScholarShare specifically, the existing ACH mechanism was modified such that ScholarShare deductions were processed so as to direct deposit individual GTN deductions through multiple ACH transactions to the appropriate financial institution involved. Release 1487 also established the ability to record the employee's individual account number associated with a GTN, in a new Direct Deposit GTN (DDG) table on the Employee Data Base (EDB). The ability to update this information was limited to batch transactions received from the TIAA-CREF ScholarShare.

General Description of Proposed Changes

There is a need to extend the ACH process established in Release 1487 such that it is made available in conjunction with other organizations such as credit unions, and banks using the Direct Deposit GTN method.

In order to accomplish this, the ability to record individual account numbers associated with GTNs which are identified as 'direct deposit GTNs' is required. The Direct Deposit GTN data should be updateable in both the on-

line and batch environments. Batch update was made available in release 1487 via the 'DG' transaction. These requirements will specify the creation of on-line entry/update screens, along with appropriate edits on the data.

In addition, several references to 'Surepay' will be removed. Surepay is a proprietary term used by Wells Fargo, and should not be used to apply to non-Wells Fargo direct deposit activity. Note however that the name of the existing Surepay Bank Table will not be changed as part of this project.

Data Elements

All the required data elements to implement a generalized direct deposit process were added in release 1487.

Data element EDB 0785 was added with the data element name "Direct Deposit GTN Surepay Bank Key". "Surepay" is a proprietary term used by Wells Fargo, and should not be used to apply to non-Wells Fargo direct deposit activity. This data element name should be changed in the Data Dictionary and in on-line help to remove the reference to Surepay. Thus, the data element name should be changed to "Direct Deposit GTN Bank Key".

On-line Screens

Two new CICS screens (IDDG and EDDG) must be developed for display and update of DDG data.

The creation of a Web EDB Inquiry screen is not being requested at this time.

Sample draft screen layouts (Attachments A and B) are in the detail design document.

On-line Help

Field-level help should be provided for all data elements on the screen based on existing data dictionary definitions. Additionally, the ability to go to the Surepay Bank Table to view valid values should be provided on the IDDG and EDDG screen for data element 0780 (Direct Deposit GTN Key). Screen-level help should be provided for the IDDG and EDDG screens.

EDB File Maintenance Edits

Release 1487 added minimal edits for the DDG data. Additional edits should be added and existing edits modified in support of on-line update of DDG data. Some of these edits may have been tailored specifically to the ScholarShare GTN, and these should be made available to any GTN where the Direct Deposit Indicator is 'Y'.

Maximum DDG Entries Edit

Currently, DDG array processing is controlled by the maximum number of DDG entries defined in copy members CPWSIC2 and CPWSXIDC. Release 1487 established a limit of 10 DDG entries per employee, "...to limit unneeded array processing". It is noted that the design phase will increase this limit by 2.

At this time, only the ScholarShare deduction and the upcoming 457(b) deductions have been positively identified as needing the Direct Deposit GTN process, but future possibilities that have been mentioned are Fidelity 403(b) and DCP deductions, and credit unions. Therefore, increasing the maximum number of DDG entries to 12 should be sufficient.

NACHA File Processing – Direct Deposit GTN Related

The process that recognizes GTNs to be included in ACH files must be modified to recognize GTNs where the new Direct Deposit GTN Indicator field (on the GTN Table) is "Y", and to include the following associated Direct Deposit GTN Account information on ACH file records:

EDB 0783 – Direct Deposit GTN Account Number

EDB 0784 – Direct Deposit GTN Account Type
EDB 0785 – Direct Deposit GTN Bank Key

In addition, to assign the Transit Routing Number to the ACH file records, the value in EDB 0782 – Direct Deposit GTN Bank Transit Number should be used if the Direct Deposit GTN Bank Key is not provided (blank). If the Direct Deposit GTN Bank Key is provided on the DDG table, then the Transit Number from the Surepay Bank Table should be used.

This process must create a separate batch for each unique organization using the Direct Deposit GTN method.

New Control Tables for Direct Deposit Activity

In addition to the requirements specified in Service Request 16932, it is proposed that the NACHA Prenote and Deposit information currently stored in copy member CPWSXNGO be moved to the DB2 Control Table(s). This should provide ease of maintenance for the establishment of future direct deposit deductions. Thus, neither programming nor copy member changes will be necessary.

Programs

PPCTC09

PPCTC09 is a consistency edit used to report on inconsistencies between the NACHA GTN Organization Link Table and the Gross-to-Net Table.

PPCTNGLE

PPCTNGLE edits the NACHA GTN Organization transaction data (from transaction number 3).

PPCTNGLU

PPCTNGLU updates the NACHA GTN Organization Link Table during update mode.

PPCTNGOE

PPCTNGOE edits the NACHA GTN Organization transaction data (from transaction numbers 1 and 2).

PPCTNGOU

PPCTNGOU updates the NACHA GTN Organization Table during update mode.

PPCTR45

PPCTR45 produces a report listing of the NACHA GTN Organization Table and the related NACHA GTN Organization Link Table.

PPCTT45

PPCTT45 is the transaction handler for the National Automated Clearing House Association (NACHA) GTN Organization Table 45. It passes all Table 45 transactions to the appropriate modules.

PPCTT45A

PPCTT45A passes all Table 45 transactions with a Transaction Type of '1' or '2', and moves the data into the structure defined by copy member CPCTNGOI for processing by edit module PPCTNGOE and update module PPCTNGOU.

PPCTT45B

PPCTT45B passes all Table 45 transactions with Transaction Type of '3', and moves the data into the structure defined by copy member CPCTNGOI for processing by edit module PPCTNGOE and update module PPCTNGOU.

PPEC717

This module has been modified to execute the direct deposit edit logic when a GTN is associated with a Direct Deposit Indicator value of 'Y' on the GTN Table.

If the DDG ADC Code is 'D', the entire DDG entry is initialized, except the DDG GTN Number and DDG ADC Code.

Additional edits have been added and existing edits modified in support of on-line update of DDG data.

PPEG600

The iteration logic of DDG entries has been changed to loop through the entire 12 DDG entries. The XNGO Array (EXTERNAL) and XNGL Array (EXTERNAL) replaced the single XNGO record defined in Working Storage.

If the DDG Account data entry contains a non-blank DDG GTN Number and the ADC Code is equal to 'D' (both fields retained from PPEC717), the DDG GTN Number and ADC Code are set to blank, and the ***Suppress-Message flag*** is turned so that the entire DDG Account data is explicitly deleted in this module.

Note that the rest of the DDG data items were initialized in PPEC717 prior to executing PPEG600.

If the ***Suppress-Message flag*** is off (No DDG Account data) and the deduction (G-balance) is greater than zero, message 08-119 (DEDUCTION NOT ALLOWED - DIRECT DEPOSIT ACCOUNT NUMBER REQUIRED) is issued.

If the ***Suppress-Message flag*** is on (DDG Account data is explicitly deleted) and the deduction (G-balance) is greater than zero, message 08-177 (DDG ACCOUNT DATA BEING DELETED; DEDUCTION WILL BE SET TO ZERO) is issued.

PPEULOAD

Logic has been added to reference the DB2 NGO Pointer and DB2 NGL Pointer (defined in CPWSXCWA) for the GETMAIN and FREEMAIN phases of CICS.

PPGETMN

Logic has been added to reference the DB2 NGO Pointer and DB2 NGL Pointer (defined in CPWSXCWA) for the GETMAIN and FREEMAIN phases of CICS.

PPNGOUT2

This utility module is developed to retrieve NGO (NACHA GTN Organization) records from the NACHA GTN Organization Table (PPPNGO) and the NACHA GTN Organization Link Table (PPPNGL). NGO records are loaded into the internal NACHA GTN Organization Array (fields defined in CPWSRNGO). NGL records are loaded into the internal NACHA GTN Organization Link Array (fields defined in CPWSRNGL), and both arrays are returned via structures CPWSRNGO and CPWSRNGL to the calling program.

PPP420

New copy members CPWSRNGI and CPWSRNGO replaced copy member CPWSXNGO. PPP420 calls PPNGOUT2 to load the NGO and NGL data into the internal NACHA GTN Organization arrays in the initialization phase, and returns the data via structures CPWSRNGI and CPWSRNGO.

PPP430

New copy members CPWSRNGI and CPWSRNGO replaced copy member CPWSXNGO. PPP430 calls PPNGOUT2 to load the NGO and NGL data into the internal NACHA GTN Organization arrays in the initialization phase, and returns the data via structures CPWSRNGI and CPWSRNGO.

In addition, the logic has been changed such that the DDG Bank Key (EDB 0780) (if not blank) is used to obtain the Transit Number from the Surepay Table to assign to the ACH record. If the DDG Bank Key is blank, then the DDG Transit Number (EDB 0782) is assigned to the ACH record.

PPP520

New copy members CPWSRNGI and CPWSRNGO replaced copy member CPWSXNGO. PPP520 calls PPNGOUT2 to load the NGO and NGL data into the internal NACHA GTN Organization arrays in the initialization phase, and returns the data via structures CPWSRNGI and CPWSRNGO.

PPP530

New copy members CPWSRNGI and CPWSRNGO replaced copy member CPWSXNGO. PPP530 calls PPNGOUT2 to load the NGO and NGL data into the internal NACHA GTN Organization arrays in the initialization phase, and returns the data via structures CPWSRNGI and CPWSRNGO.

PPWEDDG

This program is the new screen processor for the EDB/Entry Update function EDDG. This function allows entry and update of Direct Deposit GTN (DDG) data.

PPWIDDG

This program is the new screen processor for the Inquiry function IDDG.

The employee's DDG data is displayed on the IDDG screen. The screen format is similar to the EDDG screen except that the account number format is not displayed.

USER08

USER08 calls PPNGOUT2 to load the NGO and NGL data into the internal NACHA GTN Organization arrays, and return the data via structures CPWSRNGI and CPWSRNGO.

USER12

USER12 calls PPNGOUT2 to load the NGO and NGL data into the internal NACHA GTN Organization arrays, and return the data via structures CPWSRNGI and CPWSRNGO.

Copymembers

CPCTNGLI

This copy member defines the NACHA GTN/Link Table inputs for the PPPNGL Table.

CPCTNGOI

This copy member defines the NACHA GTN Organization Table inputs for the PPPNGO Table.

CPLNKNGO

This copy member is defined to serve as linkage between new module PPNGOUT2 and the calling programs.

CWSEDDG

The OCCURS 10 has been changed to OCCURS 12.

CWSGETM

The Resource ID for the DB2 PPPNGO and PPPNGL tables has been added to this copy member.

CWSRNGL

The array defined in this copy member contains the data fields for the NACHA GTN Link Table.

CWSRNGO

The array defined in this copy member contains the data fields for the NACHA GTN Organization Table.

CWSXCWA

Pointer definitions for the DB2 PPPNGO and PPPNGL Tables will be added to this copy member.

CWSXIC2, CPWSXIDC

The OCCURS value related to IDC-MAX-NO-DDG has been changed to 12 so that the CICS Direct Deposit GTN screens (EDDG and IDDG) can fully display 6 DDG records per screen page with a maximum of 2 screen pages. Array processing considerations should be reviewed when the maximum number of DDG entries is increased which may cause unnecessary array processing.

The maximum number of NGO and NGL entries that can be loaded into the NGO/NGL internal arrays (defined in CPWSRNGO and CPWSRNGL) is set to '99'.

CPWSXRTN

PPNGOUT2 has been added to the list of commonly called modules.

Include Members

PPPVZNGL

PPPVZNGL contains the standard Include member defining the COBOL fields and DB2 columns for a table row in the PPPNGL table.

PPPVZNGO

PPPVZNGO contains the standard Include member defining the COBOL fields and DB2 columns for a table row in the PPPNGO table.

DDL Members

IXNGL00C

This member contains the DDL statements to create index for table PPPNGL.

IXNGO00C

This member contains the DDL statements to create index for table PPPNGO.

PPPVZNGL

This member contains DDL statements to create the view of table PPPNGL.

PPPVZNGO

This member contains DDL statements to create the view of table PPPNGO.

TBNGL00C

This member contains the DDL statements to create table PPPNGL.

TBNGO00C

This member contains the DDL statements to create table PPPNGO.

TSNGL00C

This member contains the DDL statements to create the table space for table PPPNGL.

TSNGO00C

This member contains the DDL statements to create the table space for table PPPNGO.

Bind Members

PPP004

The plan bind for PPP004 has been modified to add the necessary members for SQL active modules related to processing the PPPNGO table.

PPP080, PPP120, PPP420, PPP430, PPP520, PPP530

The module PPNGOUT2 is added to the list of bind members.

PPWEDDG

A package bind member is created for the new screen detail processor PPWEDDG.

PPWIDDG

A package bind member is created for the new screen detail processor PPWIDDG.

CICS Maps

PPEDDG0

PPEDDG0 is the Direct Deposit GTN screen for function EDDG. This map defines the label fields and data fields for the new EDDG screen.

PPIDDG0

PPIDDG0 is the Direct Deposit GTN screen for function IDDG. This map defines the label fields and data fields for the new IDDG screen.

Forms

UPAY907B

Table 45 (NACHA GTN Organization Table) has been added to the form.

UPAY918 (new)

The UPAY918 contains the transaction formats for entering NACHA GTN Organization data to the PPPNGO and PPPNGL Tables.

Table Updates

System Messages Table

Existing messages have been revised, and new messages have been added for various Direct Deposit GTN related edits. In addition, messages have been added for processing update transactions to the PPPNGO and PPPNGL Tables.

Data Element-to-Screens Table

Data elements related to Direct Deposit data have been added to this table for screen function EDDG.

Data Element Table

Valid values of 'C' and 'S' have been added to EDB 0784 (DDG Account Type).

NACHA GTN Organization Table (new)

Because the NACHA data is campus-specific at each location, the NACHA transactions to initially load the NACHA GTN Organization Tables (NGO and NGL) are not provided in this release. The UPAY918 form that defines the NACHA GTN Organization data format can be used for coding the campus-specific input transactions. It is suggested that each location determine the appropriate data to load the new NGO/NGL Tables by examining the data currently defined in copy member CPWSXNGO.

CICS Help

CICS on-line field-level help and screen-level help have been developed for the new IDDG and EDDG screens. In addition, the existing field-level helps for EDB 0780 and EDB 0785 have been modified.

JCL Changes

The JCL for PPP004 is modified to add DD Name of PPP0445 for producing the NACHA GTN Organization report.

The CTL Load and Unload JCLs are modified to reflect the two new CTL tables PPPNGO and PPPNGL. The tables have been defined as SYSREC76 for the PPPNGO Table and SYSREC77 for the PPPNGL Table in the **Base CTL**

Load JCL, and as SYSREC77 for the PPPNGO Table and SYSREC78 for the PPPNGL Table in the **Base CTL Unload JCL**.

Test Plan

A separate Test Plan document is provided with this release.

Installation Instructions

A separate Installation Instructions document is provided with this release.

Timing of Installation

The installation of this release is Not Urgent.

As usual, campuses are encouraged to install this release in as timely a fashion as possible, and in the normal numeric sequence of releases.

If there are any questions, please send electronic mail to Jackson.Quan@ucop.edu, or call at (510) 987-0464.

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