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Re:	Release:	1487
	Service Request:	14888
	Error Reports:	1853, 1856
	Programs:	PPCB02, PPCTGTNE, PPCTGTNU, PPCTR02, PPCTT02, PPDDGFET, PPDDGUPD, PPDDGUTL, PPDDGUTW, PPEC146, PPEC717, PPEDBRTL, PPEG600, PPESTEDB, PPESTREJ, PPESTRP1, PPESTRP2, PPESTUTL, PPGTNHUP, PPGTNUT2, PPIIVR, PPKEYCHD, PPP050, PPP130, PPP250, PPP430
	CICS Programs:	PPAPEUFE, PPAPEULF, PPAPEUPU, PPAPEUSR
	Copymembers:	CPCTGTNI, CPLNKDDG, CPWSEDDG, CPWSEPTR, CPWSGTNH, CPWSRDDG, CPWSXESR, CPWSXESS, CPWSXEST, CPWSXGTA, CPWSXGTN, CPWSXICE, CPWSXIC2, CPWSXIDC, CPWSXIVR, CPWSXNGO, CPWSXTBI
	Include Members:	PPPVDDG1, PPPVDDG2, PPPVGTNH, PPPVZDDG, PPPVZGTN
	DDL Members:	IXDDG00C, PPOT1487, PPPVDDG1, PPPVDDG2, PPPVGTNH, PPPVZDDG, PPPVZGTN, TBDDG00C, TBGTNH0C, TBGTNH5A, TBGTN00C, TBGTN05A, TSDDG00C
	Bind Members:	PPDDGUTL, PPDDGUTW, PPEC717, PPP040, PPP050, PPP080, PPP120, PPP130, PPP170, PPP250
	CICS Maps:	None
	Forms:	UPAY545
	Table Updates:	System Messages Table, Code Translation Table, Data Element Table, Gross-to-Net Table, Routine Definition Table, Processing Group Table
	Urgency:	Date Mandated (see Timing of Installation)

Service Request 14888

The University of California wishes to facilitate participation of University employees in investments towards educational savings under IRC 529 Plans. As such, the University recently adopted a policy providing for employees, who enroll in the Golden State ScholarShare Trust (ScholarShare) college savings program, established by the State of California, to do so by using the University's payroll deduction facility. Service Request 14888 requested PPS modifications to support ScholarShare participation.

ScholarShare is currently administered by Teachers Insurance and Annuity Association-College Retirement Equities Fund (TIAA-CREF) Tuition Financing, Inc. Enrollment in ScholarShare will be processed by TIAA-CREF. They will provide a file for PPS update. Deductions taken will be processed for automatic deposit via the Automated Clearing House (ACH) file.

Error Report 1853

Error Report 1853 reported that in some rare cases Appointment Begin and End Dates can be low values, i.e. 01/01/0001. When these dates are passed to Sybase they are treated as invalid and cause abends. PPIIVR has been modified to replace low value Appointment Begin and End Dates with the Sybase low date value of 01/01/1900 and high value Appointment Begin and End Dates with Sybase high date value 06/06/2079.

Error Report 1856

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. This code change was not included in the stand-alone version of PPCB02, and as released in R1460, PPCB02 incorrectly issues message 01-954 for uncovered entries.

Programs

PPCB02

PPCB02 performs CTL cross-table consistency edits. It has been modified to bypass uncovered entries when editing for a blank UDUE Base on the PPPBUF table.

PPCTGTNE

PPCTGTNE performs transaction data edits for updates of the Gross-to-Net Table. It has been modified to edit the new Direct Deposit GTN Indicator field. The allowed values are blank, 'N' and 'Y'. All other values result in a transaction rejection.

PPCTGTNU

PPCTGTNU performs table updates of the Gross-to-Net Table. It has been modified to update or insert the new Direct Deposit GTN Indicator field.

PPCTR02

PPCTR02 creates the Gross-to-Net Table report. It has been modified to display the new Direct Deposit GTN Indicator field. The cursor for reporting in GTN Priority order has been modified to add GTN Number as a secondary key.

PPCTT02

PPCTT02 creates the internal work transaction from the input transactions for updates of the Gross-to-Net Table. It has been modified to process the new Direct Deposit GTN Indicator field.

PPDDGFET (new)

The standard fetch complex PPDDGFET module has been created for the PPPDDG table.

PPDDGUPD (new)

The standard fetch complex PPDDGUPD module has been created for the PPPDDG table.

PPDDGUTL (new)

The standard fetch complex PPDDGUTL module has been created for the PPPDDG table

PPDDGUTW (new)

The standard fetch complex PPDDGUTW module has been created for the PPPDDG table

PPEC146 (new)

A new Consistency Edit module has been created to enforce ScholarShare edits during Daily EDB Maintenance, which now processes ScholarShare transactions along with the IVR/Web sourced data.

PPEC717 (new)

A new Set Transaction Consistency Edit module has been created for explicit EDB Update via the new DG transaction. Initially, it is not expected that ScholarShare updates will be processed via EDB Update, but this provides a path for a DG transaction through batch update. The field editing is minimal at this time.

PPEDBRTI

PPEDBRTI formats the PPEDBFET chain-indexes for the non-initial request call. It has been modified to bypass reordering the multiple occurrence PPPDDG data elements.

PPEG600 (new)

A new Consistency Edit module has been created to enforce ScholarShare G-Balance edits during explicit EDB Update. A non-zero G-Balance will not be allowed if the employee does not have an account entry on the new PPPDDG table.

PPESTEDB

PPESTEDB is executed during the PPP130 IVR/Web special process to read transactions from the PPPEST table which contains the daily IVR and Web sourced transaction images. PPESTEDB is coded to recognize various transaction types within the transaction file. PPESTEDB has been modified to recognize the new transaction type DG for adding GTN's to the new PPPDDG Table, and the GTN 600 X1 transaction for the ScholarShare G-Balance.

PPESTREJ

PPESTEDB is executed during the PPP130 IVR/Web special process to report rejected transactions from the PPPEST table. It has been modified to report rejected ScholarShare transactions.

PPESTRP1

PPESTRP1 is executed during the PPP130 IVR/Web special process to report transaction rejections. It has been modified to remove display statements left in it as of Release 1261.

PPESTRP2

PPESTRP2 is executed at the end of the PPP130 IVR/Web special process to report transaction activity for the PPPEST table. It has been modified to display DG transaction counts using the fields defined in modified copymember CPWSXESS.

PPESTUTL

PPESTUTL is executed during the PPP130 IVR/Web special process to process and count transactions for the PPPEST table. It has been modified to add DG transaction counts using the fields defined in modified copymember CPWSXESS.

PPGTNHUP

PPGTNHUP is a Control Table History program that performs updates of the PPPGTNH table from PPPGTN data. It has been modified to move the new Direct Deposit GTN Indicator column to the PPPGTNH table.

PPGTNUT2

PPGTNUT2 is a utility program which loads an array of GTN data indexed by GTN Number. It has been modified to select and store the Direct Deposit GTN Indicator.

PPIIVR

PPIIVR performs the EDB extract for IVR processing. PPIIVR has been modified to include the ScholarShare Deduction Amount (GTN 600 G-Balance) and YTD Amount (GTN 600 Y-Balance) in Group 9 of the deduction file.

PPIIVR has been modified to replace low value Appointment Begin and End Dates with the Sybase low date value of 01/01/1900 and high value Appointment Begin and End Dates with Sybase high date value 06/06/2079.

PPKEYCHD

PPKEYCHD performs key changes and deletions. It has been modified to process the new PPPDDG table for key changes and deletions.

PPP050

PPP050 processes EDB update transactions and uses the card type definitions on the Data Element Table to break transactions down into data element parts. PPP050 has been modified to process the new DG transaction type.

PPP130

PPP130 is the main driver for Periodic EDB Maintenance. It has been modified to process the new PPPDDG table and report on its updates.

PPP250

PPP250 prints the Data Base Record Display. It has been modified to process the multiple occurrence PPPDDG table data and display it at the end of the PPP2501 report.

PPP430

PPP430 creates the direct deposit ACH file. It processes net pay in the main file, and Direct Deposit GTN's defined in copymember CPWSXNGO in separate batches. It has been modified to process entries on the PPPDDG table and to create a separate ScholarShare batch. These entries, like net pay transaction, but unlike the other batches, contain employee specific account numbers obtained from the PPPDDG table.

CICS Programs

PPAPEUFE

PPAPEUFE is the online EDB Update "Final Edit" processor. It manipulates current rows/arrays and prior held values of rows/arrays. The array processing has been modified to support the new PPPFCB table.

PPAPEULF

PPAPEULF is the online EDB Update "Logical Functions" processor. It manipulates current rows/arrays and prior held values of rows/arrays. The array processing has been modified to support the new PPPFCB table.

PPAPEUPU

PPAPEUPU is the online EDB Update "Pre-Update" processor. It manipulates current rows/arrays and prior held values of rows/arrays. The array processing has been modified to support the new PPPFCB table.

PPAPEUSR

PPAPEUSR is the online EDB Update "Store/Restore" processor. It writes and reads TSQ's for current rows/arrays and prior held values of rows/arrays. The array processing has been modified to support the new PPPFCB table.

Copymembers

CPCTGTNI

CPCTGTNI defines working storage for the internal work transaction for Gross-to-Net table updates. The new Direct Deposit GTN Indicator field has been added.

CPLNKDDG (new)

A copymember CPLNKDDG has been created to define linkage for calls to new program PPDDGUTL.

CPWSEDDG (new)

A copymember CPWSEDDG has been created to define working storage for an array of PPPDDG rows for a single Employee ID. Initially an employee can only have the one ScholarShare entry.

CPWSGTNH

CPWSGTNH defines working storage for a DB2 Gross-to-Net History table row. The new Direct Deposit GTN Indicator field has been added.

CPWSRDDG (new)

A copymember CPWSRDDG has been created to define working storage for a single PPPDDG row.

CPWSXESR

CPWSXESR defines working storage for various transaction error texts issued by Web/IVR processes. It has been modified to format rejected DG data for display.

CPWSXESS

CPWSXESS defines working storage for various transaction counts and switches used by Web/IVR processes. It has been modified to include counts for DG data processing.

CPWSXEST

CPWSXEST defines working storage for various transactions passed by Web/IVR processes. It has been modified to include an X1 transaction which will contain the ScholarShare Deduction Amount (GTN 600 G-Balance), and a separate DG transaction containing Employee Direct Deposit GTN data.

CPWSXGTA

CPWSXGTA defines working storage for an array of Gross-to-Net table records indexed by GTN Number. The new Direct Deposit GTN Indicator field has been added.

CPWSXGTN

CPWSXGTN defines working storage for a Gross-to-Net table record. The new Direct Deposit GTN Indicator field has been added.

CPWSEPTR

CPWSEPTR defines pointers used for request arrays used in the EDB fetch complex. The OCCURS for table count has been increased to +35 for the additional PPPDDG table.

CPWSXICE

CPWSXICE defines various constants used in the EDB fetch complex. PPEDBUPD-NO-TBL-SELECTIONS has been increased to +35 for the additional PPPDDG table.

Tables capable of multiple entries per single Employee ID are also defined in CPWSXICE. It has been modified to add PPPDDG to the array of multiple row tables.

CPWSXIC2

CPWSXIC2 defines various constants used in the EDB fetch complex. IDC-MAX-NO-DDG has been added to set the maximum number of PPPDDG rows for an employee to +10.

CPWSXIDC

CPWSXIDC defines various constants used in the EDB fetch complex. IDC-MAX-NO-DDG has been added to set the maximum number of PPPDDG rows for an employee to +10.

CPWSXIVR

CPWSXIVR defines working storage for IVR active deductions. It places GTN's in a plan or group, and provides mapping between locally used GTN's and standard IVR GTN's. The ScholarShare GTN 600 has been added to Plan 9, an array sizes increased accordingly. This, along with modifications to PPIIVR, will cause GTN 600 data to be included on the IVR Deduction files.

CPWSXNGO

CPWSXNGO contains data defining Direct Deposit GTN's which are currently included on the ACH file. Processing for the GTN's defined in XNGO-GTN-IN-ACH-LIST has been modified to include TIAA-CREF organization data and the ScholarShare GTN 600.

CPWSXTBI

CPWSXTBI defines an array of table change indicators. The OCCURS has been increased to +35 for the additional PPPDDG table.

Include Members

PPPVDDG1(new)

PPPVDDG1 is a standard Include defining the working storage and View for the new PPPDDG table.

PPPVDDG2(new)

PPPVDDG2 is a standard Include defining the working storage and View for the new PPPDDG table.

PPVGTNH

PPVGTNH defines the working storage and view for the PPPGTNH table. It has been modified to include the new Direct Deposit GTN Indicator.

PPPVZDDG(new)

PPPVZDDG is a standard Include defining the working storage and View for the new PPPDDG table.

PPPVZGTN

PPPVZGTN defines the working storage and view for the PPPGTN table. It has been modified to include the new Direct Deposit GTN Indicator.

DDL Members

IXDDG00C(new)

IXDDG00C creates the Index the new PPPDDG table.

PPOT1487(one-time)

PPOT1487 is a one-time Grant to re-establish web access to a recreated View of the PPPGTN table.

PPPVDDG1(new)

PPPVDDG1 creates a View of the new PPPDDG table.

PPPVDDG2(new)

PPPVDDG2 creates a View of the new PPPDDG table.

PPVGTNH

PPVGTNH creates a View of the PPPGTNH table. It has been modified to include the new Direct Deposit GTN Indicator.

PPPVZDDG(new)

PPPVZDDG creates a View of the new PPPDDG table.

PPPVZGTN

PPPVZGTN creates a View of the PPPGTN table. It has been modified to include the new Direct Deposit GTN Indicator.

TBDDG00C(new)

TBDDG00C creates the new PPPDDG table.

TBGTNH0C

TBGTNH0C creates PPPGTNH table. It has been modified to include the new Direct Deposit GTN Indicator.

TBGTNH5A

TBGTNH5A is an Alter Table for the PPPGTNH table. It adds the new Direct Deposit GTN Indicator.

TBGTN00C

TBGTN00C creates PPPGTN table. It has been modified to include the new Direct Deposit GTN Indicator.

TBGTN05A

TBGTN05A is an Alter Table for the PPPGTN table. It adds the new Direct Deposit GTN Indicator.

TSDDG00C (new)

TBDDG00C creates the Tablespace for the new PPPDDG table.

Bind Members

PPDDGUTL(new)

A new package bind member has been created for PPDDGUTL.

PPDDGUTW(new)

A new package bind member has been created for PPDDGUTW.

PPEC717(new)

A new package bind member has been created for PPEC717.

PPP040

Members PPDDGUTL and PPDDGUTW have been added to the plan bind for PPP040.

PPP050

Members PPDDGUTL and PPDDGUTW have been added to the plan bind for PPP050.

PPP080

Member PPDDGUTL has been added to the plan bind for PPP080.

PPP120

Members PPDDGUTL and PPDDGUTW have been added to the plan bind for PPP120.

PPP130

Members PPDDGUTL and PPDDGUTW have been added to the plan bind for PPP130.

PPP170

Members PPDDGUTL and PPDDGUTW have added to the plan bind for PPP170.

PPP250

Member PPDDGUTL has been added to the plan bind for PPP250.

Forms

UPAY545 Gross-to-Net Table

The form has been modified to add a one character field for Direct Deposit GTN Indicator to Transaction 1 in column 76.

Table Updates

System Messages Table

Messages have been added for various Direct Deposit GTN related edits.

Code Translation Table

A Code translation for the new ScholarShare GTN 600 has been added to the Code Translation Table.

Data Element Table

The new PPPDDG data elements have been added to the Data Element Table. The new DG set transaction has been defined.

Gross-to-Net Table

The new ScholarShare GTN 600 has been added to the Gross-to-Net table.

Routine Definition Table

The new ScholarShare edit programs PPEC146, PPEC717 and PPEG600 have been added to the Routine Definition table.

Processing Group Table

The new program PPEC146 have been added to the special process group which executes daily for IVR and Web sourced updates, and now TIAA-CREF sourced updates as well. The new programs PPEC717 and PPEG600 have been added to 08 and 12 processing groups for EDB Update.

Test Plan

A separate Test Plan has been issued with this release.

Installation Instructions

A separate set of Installation Instructions has been issued with this release.

Timing of Installation

Installation of this release is Date Mandated. The release must be installed in production not later than Monday, June 2. That date is the absolute first date that any ScholarShare enrollment transactions can appear in the daily transaction feed, although the actual appearance of transactions for your location will depend upon employee enrollment.

There is no problem with an installation of the release prior to the deadline date given above. We will not deliver ScholarShare enrollment transactions earlier than that date. Note that at this time the only allowable ScholarShare

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enrollments are those coming in the daily transactions, generated from data provided to UCOP by TIAA-CREF. No attempts to manually enroll employees in ScholarShare should be made at the locations.

If there are any questions, please send electronic mail to Phil.Thompson@ucop.edu, or call at (510) 987-0468.

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cc: Jerry Wilcox