Re: Release: 1211
Service Request: 14807
Error Report: 1573, 1588
Programs: PPEG002(new), PPP010, PPP013(new), PPPCMCHG, PPPCMFET, PPPCMUPD
DB2 Programs: PPEDEPDR, PEMEM05, PPQGNTN, PPKEYCHD, PPNETCLC, PPNETDTK, PPNETUPD, PPP0400, PPP420, PPP851, PPPCMUTL, PPPCMUTW, PPCRCNET, PPRNGTN(new), PPRNGTO(new), USER08, USER12
CICS Programs: PPWRC21
Copymembers: CPWSGNTN, CPWSRPCM, CPWSTGTN(new), CPWSXGTA, CPWSXGTN, CPWSXIC2
Include Members: PPPV400C, PPPVGTN, PPPVPCM2, PPPVZGTN, PPPVZPCM
DDL Members: PPPV400C, PPPVGTN, PPPVPCM1, PPPVPCM2, PPPVZGTN, PPPVZPCM, TBGTN00C, TBGTN04A(new), TBGTNH0C, TBGTNH4A(new), TBPCM00C, TBPCM13A(new)
Bind Members: PPP013(new), PPP400, PPRNGTO(new)
CICS Maps: None
Forms: UAPAY545, UAPAY571
Table Updates: System Parameter Table, Gross-to-Net Table, Data Element Table, System Messages Table, Routine Definition Table, Processing Group Table, Resource Definition Online
Urgency: Date Mandated (See Timing of Installation)

Service Request 14807

Vice President Broome, Financial Management, on August 4, 1998 announced the implementation of pretax transportation deductions. It was applicable to parking and transit pass payroll deductions. Pretax vanpooling will be announced separately.

The campuses were informed that they could offer pretax transportation deductions beginning September 1 or later, although the allowable reduction limit was not fully supported by the necessary Payroll/Personnel (PPS) changes. Campuses could manually assign individual employee deductions to a combination of pretax and post-tax deduction Gross-to-Net (GTN) numbers that in effect maintained the reduction limit. Release 1202 issued two one-time programs to aid the campuses in enrolling eligible employees in pretax parking. Campuses were responsible for establishing any transit pass GTN's and employee deductions.

Service Request 14807 asked that the Payroll/Personnel System (PPS) be modified to automatically handle the allowable reduction limits. This release addresses that automation.
The new process requires that employee deductions on the EDB only use the initial pretax transportation GTN number. When the deduction amount exceeds the allowed limit, the new process automatically reassigns deduction amounts to linked GTN's with appropriate reduction indicators, or GTN's that have no reduction. This GTN usage might require local EDB maintenance to reassign employee deductions for pretax transportation.

**Error Report 1573**

Error Report 1573 reported an error in the FWT and SWT Reduction Indicator display on the PPP0102 Gross-to-Net Table report. PPP010 interpreted a non-blank Reduction Indicator as a "yes" and a blank value as a "no". This resulted in an "N" being misrepresented as a "yes". Furthermore, in the Compute process a blank for the FWT or SWT is interpreted as a "yes". PPP010 has been modified to interpret a "Y" or blank as "yes" and an "N" as a "no".

**Error Report 1588**

Error Report 1588 concerns the System Calendar Table, and stated that transactions to add or delete System Calendar Table entries for years 2000 and beyond were rejected with fatal error 01-032, ‘Calendar: Century not “19”’. Additionally, it is noted that UPAY571, the System Calendar Table update form, contains ‘19’ hard-coded as the century value for all transactions.

**Programs**

**PPEG002(new)**

PPEG002 is a new EDB File Maintenance program that performs deduction edits. Employee deductions for pretax transportation can only be added using the initial GTN number of the linked GTN group. This ensures that the maximum reduction will be allowed for the employee.

**PPP010**

PPP010 updates the VSAM CTL file. It has been modified to process transaction updates for the two new PPPGTN fields: Initial Link GTN Flag and Linked GTN number. PPP010 has also been modified to correctly display Reduction Indicator values. This fixes the condition reported in Error Report 1573. PPP010 has also been modified to no longer reject transactions for the year 2000 and beyond, and to provide the proper century value on the System Calendar Table listing. This fixes the condition reported in Error Report 1588. It should be noted, however, that due to the construction of the VSAM System Calendar Table, calendar table listings will physically print the years 2000 and beyond before printing years in the 20th century. Correction of this problem would require extensive redesign of the VSAM calendar table. This work will not be undertaken, as the VSAM Control Table File is scheduled for obsolescence prior to the year 2000.

**PPP013(new)**

PPP013 is a new program that calls new program PPTRNGTN to edit the pretax transportation GTN's on the DB2 PPPGTN table. The linked GTN group structure must be set up correctly for the reduction. If errors are found a See Operations error is issued. PPP013 must run right after PPP010 and PPP851 update the VSAM and DB2 CTL, respectively. If fatal errors exist they must be corrected before the PPP400 step of the Compute can process.

**PPPCMCHG**

PPPCMCHG is a standard part of the EDB Fetch/Update complex for the PPPPCM table. It has been modified to process the new columns.

**PPPCMFET**

PPPCMFET is a standard part of the EDB Fetch/Update complex for the PPPPCM table. It has been modified to process the new columns.
Chester Ferguson, et al  
Page: 3  
October 13, 1998

**PPPCMUPD**
PPPCMUPD is a standard part of the EDB Fetch/Update complex for the PPPPCM table. It has been modified to process the new columns.

**DB2 Programs**

**PPEDTPDR**
PPEDTPDR performs the unique edits required for Compute pay transactions PS, DS, AND RF. It has been modified to disallow pretax transportation deductions being coded 'R' for replacement of current month's deduction.

**PPEM005**
PPEM005 set various flags based on pay status during periodic maintenance. It has been modified to increase the size of a working storage field used to contain a PPPPCM row.

**PPGTNHUP**
PPGTNHUP is a CDB update program that performs updates of the PPPGTNH table from PPPGTN data. It has been modified to move the two new columns added to the PPPGTN table to the PPPGTNH table.

**PPKEYCHD**
PPKEYCHD is called to perform EDB Employee ID changes. The SELECT of data from the PPPPCM table has been modified to include the two new columns.

**PPNETCLC**
PPNETCLC is a Compute program that calculates deduction amounts. It has been modified to add two new calculation processes for Calculation Routines 16 and 17, pretax parking and pretax vanpool/transit respectively. The routines calculate transportation reduction amounts and apply them to initial or linked GTN's, as appropriate for the deduction amount and how much of the allowed limit has already been taken.

**PPNETDTK**
PPNETDTK is a Compute program that processes deductions that are taken. It has been modified to delete a hard coded reference to an obsolete Special Calculation Routine 17.

**PPNETUPD**
PPNETUPD is a Compute program that processes special update logic. The new transportation GTN's all have Update Routine 78. However no update logic for this routine is required in PPNETUPD, so it has been modified to bypass Update Routine 78.

**PPP400**
PPP400 is one of the main Compute driver programs. It calls various PPNET* programs to calculate net and gross amounts. It has been modified to move the System Parameter values for the FWT and SWT reduction limits for transportation to fields in the linkage defined by copymember CPWSTGTN.

It has been modified to call new program PPTRNGTN to perform consistency edits of the pretax transportation GTN's and the FWT and SWT reduction limits and load CPWSTGTN fields for reduction limit calculation. If a FATAL condition is detected, a message will be issued and PPP400 will stop.

The SELECT from program specific View PPPV400C_PCM has been modified to include the new Parking Reduction Taken and Transit Reduction Taken columns. If a new pay month is being processed (determined by pay period end month), the transportation reduction amounts taken will be set to zero. The Parking Reduction Taken and Transit Reduction Taken amount is used to determine how much of current deductions can be taken within the monthly reduction limits.

Special Update 78 processing has been added to zero out any transitory G-balances applied to linked GTN's during the Compute process. Only the initial GTN, i.e. the GTN for which there is an entry on the PPPDBL table, retains a G-balance value.
Chester Ferguson, et al  
Page: 4  
October 13, 1998

PPP420  
PPP420 prints the checks and surepay advice reports. The new laser format displays a taxable gross box which includes reductions amounts. PPP420 has been modified to exclude reductions that are coded N for FWT Reduction.

PPP851  
PPP851 updates the DB2 CTL tables from the VSAM CTL file. It has been modified to process the two new PPPGTN columns Initial Link GTN Flag and Linked GTN number.

PPPCMUTL  
PPPCMUTL is a standard part of the EDB Fetch/Update complex for the PPPPCM table. It has been modified to process the new columns.

PPPCMUTW  
PPPCMUTW is a standard part of the EDB Fetch/Update complex for the PPPPCM table. It has been modified to process the new columns.

PPRCNET  
PPRCNET performs a role similar to PPP400 for online Rush Checks. It calls various PPNET* programs to calculate net and gross amounts.

It has been modified to move the System Parameter values for the federal and SWT reduction limits for transportation to fields in the linkage defined by copymember CPWSTGTN.

It has been modified to call new program PPTRNGTO to perform consistency edits of the pretax transportation GTN's and the federal and SWT reduction limits and load CPWSTGTN fields for reduction limit calculation. However, unlike PPP400 a GTN error condition does not stop processing.

PPTRNGTN(new)  
PPTRNGTN is a new program that performs consistency edits of the pretax transportation GTN's, the linked GTN's and the System Parameters values defining the federal and SWT transportation reduction limits. PPTRNGTN accesses the DB2 PPPGTN table. It is called from new program PPP013, which should run right after PPP010 and PPP851 have updated the VSAM and DB2 CTL tables. It is also called from PPP400. The limits imply the GTN entries needed to maximize pretax reduction and yet restrict reduction to the allowed limits. Pretax transportation GTN's must be set up in linked groups of GTN's that provide for this process. PPTRNGTN evaluates the existing pretax transportation GTN's and determines whether they are consistent with the requirements. It also edits for other values, such as Consistency Edit Routine 002 that is required to trigger EDB maintenance program PPEG002. If any GTN fails an edit, messages are issued and an error condition is signaled to the calling program. In the case of PPP400, the error condition will cause PPP400 to stop.

PPTRNGTO(new)  
PPTRNGTO is a new program that performs a subset of the PPTRNGTN functions for online rush check processing. The federal and SWT transportation reduction limits are obtained from the System Parameter table, and the generic GTN requirements are developed similarly to PPTRNGTN. This provides the GTN reduction limit structure in copymember CPWSTGTN that is required by PPNETCLC.

USER08  
USER08 is the main EDB maintenance edit driver called both online and in batch. USER08 loads several use-specific GTN arrays during its overall GTN table load process, e.g. 403B related GTN's. It has been modified to load Calculation 16 and 17 GTN's and data into an array defined in copymember CPWSTGTN. This array is used in PPEG002 to determine that pretax transportation deductions are appropriate.

USER12  
USER12 is the main EDB maintenance update driver called both online and in batch. USER12 loads several use-specific GTN arrays during its overall GTN table load process, e.g. 403B related GTN's. It has been modified to load Calculation 16 and 17 GTN's and data into an array defined in copymember CPWSTGTN. This array is used in PPEG002 to determine that pretax transportation deductions are appropriate.
CICS Programs

PPWR21
PPWR21 is the screen-processing program for the online Rush Check OPT2 function's Earnings and Deductions screen. Employee deductions for pretax transportation can only be entered using the initial GTN number of the linked GTN group. This ensures that the maximum reduction has been allowed for the employee.

Copymembers

CPWSGTNH
CPWSGTNH defines working storage for a PPPGTNH table row. Two fields have been added for the Initial Link GTN Flag and the Linked GTN number.

CPWSRPCM
CPWSRPCM defines working storage for a PPPPCM table row. Two fields have been for the month-to-date reduction amounts taken against the parking reduction limit and the transit reduction limit.

CPWSTGTN(new)
CPWSTGTN defines working storage for several arrays used in various processes involving reduction limit processing.

CPWSXGTA
CPWSXGTA defines working storage for PPPGTN table data. Two fields have been added for the Initial Link GTN Flag and the Linked GTN number.

CPWSXGTN
CPWSXGTN defines working storage for a PPPGTN table row. Two fields have been added for the Initial Link GTN Flag and the Linked GTN number.

CPWSXIC2
CPWSXIC2 defines various payroll constants, some of which are campus specific. Four fields have been added to define the System Parameter Numbers for the Federal Parking Reduction Limit, Federal Transit Reduction Limit, SWT Parking Reduction Limit and the SWT Transit Reduction Limit.

Include Members

PPPV400C
PPPV400C defines working storage for the program specific view PPPV400C_PCM of the PPPPCM table. Two columns have been added for the month-to-date reduction amounts taken against the parking reduction limit and the transit/vanpool reduction limit

PPPVGTNH
PPPVGTNH defines working storage for the full table view PPPVGTNH_GTNH of the PPPGTNH table. Two columns have been added for the Initial Link GTN Flag and the Linked GTN number.

PPPVPCM1
PPPVPCM1 defines working storage for the full table view PPPVPCM1_PCM of the PPPPCM table. Two columns have been added for the month-to-date reduction amounts taken against the parking reduction limit and the transit/vanpool reduction limit.

PPPVPCM2
PPPVPCM2 defines working storage for the full table view PPPVPCM2_PCM of the PPPPCM table. Two columns have been added for the month-to-date reduction amounts taken against the parking reduction limit and the transit/vanpool reduction limit.
PPPVZGTN
PPPVZGTN defines working storage for the full table view PPPVZGTN_GTN of the PPPGTN table. Two columns have been added for the Initial Link GTN Flag and the Linked GTN number.

PPPVZPCM
PPPVZPCM defines working storage for the full table view PPPVZPCM_PCM of the PPPPCM table. Two columns have been added for the month-to-date reduction amounts taken against the parking reduction limit and the transit/vanpool reduction limit.

DDL Members

PPPV400C
PPPV400C defines a program specific view of the PPPPCM table. Two columns have been added for the month-to-date reduction amounts taken against the parking reduction limit and the transit/vanpool reduction limit

PPPVGTNH
PPPVGTNH defines a standard full table view of the PPPGTNH table. Two columns have been added for the Initial Link GTN Flag and the Linked GTN number.

PPPVPCM1
PPPVPCM1 defines a standard full table view of the PPPPCM table. Two columns have been added for the month-to-date reduction amounts taken against the parking reduction limit and the transit/vanpool reduction limit.

PPPVPCM2
PPPVPCM2 defines a standard full table view of the PPPPCM table. Two columns have been added for the month-to-date reduction amounts taken against the parking reduction limit and the transit/vanpool reduction limit.

PPPVZGTN
PPPVZGTN defines a standard full table view of the PPPGTN table. Two columns have been added for the Initial Link GTN Flag and the Linked GTN number.

PPPVZPCM
PPPVZPCM defines a standard full table view of the PPPPCM table. Two columns have been added for the month-to-date reduction amounts taken against the parking reduction limit and the transit/vanpool reduction limit.

TBGTN00C
TBGTN00C defines the full table create for the PPPGTN table. Two columns have been added for the Initial Link GTN Flag and the Linked GTN number.

TBGTN04A(new)
TBGTN04A defines an ALTER table for the PPPGTN table to add two columns for the Initial Link GTN Flag and the Linked GTN number.

TBGTNH0C
TBGTNH0C defines the full table create for the PPPGTNH table. Two columns have been added for the Initial Link GTN Flag and the Linked GTN number.

TBGTNH4A(new)
TBGTNH4A defines an ALTER table for the PPPGTNH table to add the two columns for the Initial Link GTN Flag and the Linked GTN number.

TBPCM00C
TBPCM00C defines the full table create for the PPPPCM table. The two columns have been added for the month-to-date reduction amounts taken against the parking reduction limit and the transit/vanpool reduction limit.
TBPCM13A(new)
TBPCM13A defines an ALTER table for the PPPPCM table to add the two columns for the month-to-date reduction amounts taken against the parking reduction limit and the transit/vanpool reduction limit.

Bind Members

PPP013(new)
PPP013 is a plan bind for new program PPP013.

PPP400
The plan bind for PPP400 has been modified to include new program PPTRNGTN.

PPTRNGTO(new)
PPTRNGTO is a package bind for new program PPTRNGTO.

Forms

UPAY545
UPAY545 is the Gross-to-Net Table form. It has been modified to add the two new fields for the Initial Link GTN Flag and the Linked GTN number.

UPAY571
UPAY571 has been modified to remove the hard-coded ‘19’ as the century in the year field of the transactions.

Table Updates

System Parameter Table
Four System Parameters have been established to define the Federal Parking Reduction Limit, Federal Vanpool/Transit Reduction Limit, State Parking Reduction Limit and State Vanpool/Transit Reduction Limit:

Gross-to-Net Table
Pretax transportation GTN's will be established on the GTN table, as required. The campus Payroll Managers must define the GTN's per the requirements of this new process and the local sequencing of related GTN's such as FWT, SWT, FICA and DCP.

NOTE: The new GTN structure might also require changes via EDB maintenance to the deduction entries for employees on the PPPDBL table.

Data Element Table
The two new two columns for the month-to-date reduction amounts taken against the parking reduction limit and the transit/vanpool reduction limit have been defined on the Data Element Table.

System Messages Table
Various messages have been added. Primarily these are triggered by edits related to pretax transportation GTN's, and the processing of deductions using those GTN's. See the released UPAY554 form for the specific numbers, severity and text. In addition, message 01 '032 (Calendar: Century not “19”) is obsolete as of this release and has been deleted from the table.

Routine Definition Table
The new EDB file maintenance program PPEG002 has been defined on the Routine Definition Table.

Processing Group Table
The Processing Group Table has been modified to add PPEG002 to 08 and 12 processing groups for EDB file maintenance.
Resource Definition Online
The two new programs PPEG002 and PPTRNGTO have been defined to the online environments.

Test Plan
A complete test plan is provided with this release. Campuses are encouraged to use the base system test materials, as well as performing any other desired local tests.

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

Timing of Installation
Pretax vanpool deductions must be in place no later than paychecks issued December 1, 1998. This is because the dollar amount of the reduction must be included in the data that UCOP Benefits will use in its automatic calculation of the 1999 Maximum Annual Contribution (MAC) amount even though the data will reflect only one month of vanpool and/or transit pass reductions.

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

Phillip Thompson

c:  Jim Dolgonas
    Jerry Wilcox