

Release 1848

Service Request 82367

120-Day Transfer of Expense (TOE) Enhancements

Service Request 82254

SSN Removal from CICS Screens

Error Report 2190

S0CB ABEND in PPP450

Detail Design

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Introduction

Service Request 82367

Service Request 82367 asks for the following 120-Day Transfer of Expense (TOE) related enhancements to the expense distribution process of Payroll/Personnel System (PPS):

1. Allow for the bypass of expense transfers involving credits.
2. Use the Month-End Date that the payroll expense was discovered instead of the Transaction Date to determine the 120-day expense transfer cutoff.
3. Change the system warning message for expense transfers over 120 days.
4. For Zero Gross Transfers, use the sum of all the benefits that will be transferred in deciding the Credit or Debit applied to a restricted fund for the 120 day rule.

Service Request 82254

Service Request 82254 asks for the removal of SSN display information from two Payroll/Personnel System (PPS) CICS screens. The affected CICS screens are the Single Expense Transfer (EDTS) screen and the Accrued Leave Expense Transfer (EDTL) screen.

Error Report 2190

Error Report 2190 reports that the program PPP450 is abending with S0CB (Decimal Divide Exception) while calculating transfer percent when ET-SORT-DTL-ORIG-GRS (Original Gross Earnings), which is used as a divisor, is zero. This issue is related to release 1825, which made expense transfer of benefits with zero original gross earnings legal.

Overview of PPS Modifications

Summary of PPS Modifications for Service Request 82367

1. The control table System Messages Table (08) will be updated to change the message 35-075.
2. A new input field to pass the sign of the transfer amount will be added into the linkage copy member CPLNETFE that interfaces PPETFEDT 120-day edit routine with the calling programs.
3. The dual use funds edit routine PPETFEDT will be changed to edit the input FROM and TO restricted funds for 120-day transfer limit, only if there is a debit to that fund.
4. The dual use edit routine PPEXPTRN will be changed to pass the new sign of the transfer amount and Month End date of TOE ET Month as Transaction Date when it calls the 120-day limit on expense transfer edit program PPETFEDT. In addition, for Zero Gross Transfers, it will be changed use the sum of all the benefits that will be transferred in deciding the Credit or Debit applied to a restricted fund for the 120 day rule.
5. The batch program PPP350 will be changed to format and print 35-075 message warning for per transfer TOE record of Mass Transfer in the same format of the Single Transfer TOE record in the PPP3504 report.
6. The batch program PPP450 will be modified to pass the sign of the transfer amount and Month End date of TOE ET Month as Transaction Date when it calls the 120 day edit program PPETFEDT.

Summary of PPS Modifications for Service Request 82254

1. The SSN label and the SSN display field will be removed from the EDTL screen panel, PPEDTL0.
2. All SSN references in the EDTL screen formatting program, PPWEDTL, will be removed.
3. Field Level help text associated with the SSN label and the SSN display field on the EDTL screen will be removed.
4. The SSN label and the SSN display field will be removed from the EDTS screen panel, PPEDTS0.
5. All SSN references in the EDTS screen formatting program, PPWEDTS, will be removed.
6. Field Level help text associated with the SSN label and the SSN display field on the EDTS screen will be removed.

Note: Both the EDTL and the EDTS screens have an SSN label and an SSN “data capture” field located toward the bottom of each screen. This SSN field is used to navigate from one employee to another via their SSN identifier. This SSN screen navigation field is not being removed from the EDTL and EDTS screens with this effort.

Summary of PPS Modifications for Error Report 2190

The batch program PPP450 will be modified to default Transfer Percent to 1, when the Original Gross Earning Amount, which is used as a divisor during the calculation of the Transfer Percent, is zero (zero gross transfer of benefits). This is to fix the error of program PPP450 is abending with SOCB (Decimal Divide Exception) while calculating the transfer percent used to find the actual transferred benefits from the total benefits.

Programs

New and Modified Programs

PPETFEDT

PPETFEDT is a dual use funds edit routine that will edit the input FROM and TO funds against the PPPFND fund table and checks for 120 Day Limit on Transfers of Payroll Expense. It will access the PPPPRM parameter table to get the parameter number 202. This program will call the FAU edit routines PPFAU002 and PPFAU018 and will use a linkage copy member CPLNETFE to interface with the calling program.

This program will be changed to check the input sign of the transfer amount passed through the linkage copy member CPLNETFE and edit the input FROM and TO restricted funds for 120-day transfer limit, only if there is a debit to that fund.

The following rules will be applied using the sign of the transfer in deciding whether to allow transfer or not to a restricted fund:

- If the transfer amount is positive, then it is a credit to the FROM FAU and debit to the TO FAU. Therefore, the 120 day transfer rule will be applied to this transaction if the TO FAU is a restricted fund.
- If the transfer amount is negative, then it is a credit to the TO FAU and debit to the FROM FAU. Therefore, the 120 day transfer rule will be applied to this transaction if the FROM FAU is a restricted fund.

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PPEXPTRN

PPEXPTRN is the routine called from CICS or batch programs to edit Expense Transfer transactions (TS, TM, and TL) and create E1, E2, and E3 records using the details stored in the Transfer of Expense table PPPTOE.

This edit routine is called for data changes from CICS screens EDTS (Single Expense Transfer), EDTM (Multiple Expense Transfer), and EDTL (Vacation Leave Transfer).

In addition, the batch programs PPP350 and PPP450 calls PPEXPTRN to edit Single Expense Transfer (TS), Multiple Expense Transfer (TM), and Vacation Leave Transfer (TL) batch transactions.

PPEXPTRN program will be modified to pass the sign of the transfer amount for TS, TM, and TL transactions and the Month-End Date of TOE ET Month instead of the TOE Transaction Date while calling PPETFEDT for the edit of 120 Day Limit on Transfers of Payroll Expenses.

The sign of the transfer amount will be arrived using the following logic for the different types of transaction:

- For Single Transfer (TS), the sign of the transfer gross amount will be used.
- For Mass Transfer (TM), the sign of the Original Gross Amount minus TOE Transferred Gross will be used.
- For Vacation Transfer (TL), the sign of the transfer Leave Hours will be used.

For Zero Gross Transfers, it will be changed to use the sum of all the benefits that will be transferred in deciding the Credit or Debit applied to a restricted fund for the 120 day rule.

In addition, PPEXPTRN program will be modified to pass the print details for per transfer TOE record of Mass Transfer to the program PPP350, if the transfer has the 120 day warning (35-075). PPP350 program will print them in the Expense Transfer Edit Report PPP3504 for each transfer of the Mass Transfer with a 35-075 warning.

The following details will be populated in the linkage copybook CPLNKEXP in the same format of Single Transfer fields for each 35-075 Mass Transfer record for the PPP3504 report:

- Employee ID
- Transfer Gross
- Original Gross Earnings
- Total Original Benefits
- PPP5302 report's ET Month, Page, and Line Number

PPP350

PPP350 program processes all the input activity record to the payroll process and creates a sorted Payroll Input Activity file with a control record as its first record. This program also produces edit reports for the expense/leave transfer requests and a control file.

Program PPP350 will be changed to format and print 35-075 message warning for per transfer TOE record of Mass Transfer in the same format of the Single Transfer TOE record in the PPP3504 report.

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PPP450

PPP450 program produces reports based on the Payroll Audit file (PAR) data.

Program PPP450 will be modified to pass the sign of the transfer amount and Month End date of TOE ET Month as Transaction Date when it calls the 120 day edit program PPETFEDT to create the Tab Delimited file of all the transfers that exceed 120 days.

For Zero Gross Transfers, it will be changed to use the sum of all the benefits that will be transferred in deciding the Credit or Debit applied to a restricted fund for the 120 day rule.

In addition, it will be modified to default Transfer Percent to 1, when the Original Gross Earning Amount, which is used as a divisor during the calculation of the Transfer Percent, is zero (zero gross transfer of benefits).

PPWEDTL

PPWEDTL is the detail screen processor for the Accrued Leave Expense Transfer (TL) transaction entered from the EDTL screen. It receives user input data from the EDTL screen, does field level and relational edits of that input, then retrieves the associated employee data and displays that data for the end user.

This program will be modified to remove all references to the SSN data fields currently being processed to display the Social Security Number on the EDTL screen.

PPWEDTS

PPWEDTS is the detail screen processor for the Single Expense Transfer (TS) transaction entered from the EDTS screen. It receives user input data from the EDTS screen, does field level and relational edits of that input, then retrieves the associated employee data and displays that data for the end user.

This program will be modified to remove all references to the SSN data fields currently being processed to display the Social Security Number on the EDTS screen.

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Copylib Members

CPLNETFE

CPLNETFE is a copy member that defines the linkage between program PPETFEDT and PPEXPTRN / PPP450 modules.

It has an input area to accept FROM FAU, TO FAU, Transaction date of the expense transfer, Pay Period End date, and the type of call (Call from PPEXPTRN – Check, PPP450 – Check and provide additional data).

It has an output area to send FROM FAU Restricted and Department details, TO FAU Restricted and Department details, Flag to inform whether the Expense Transfer is 120 days old or not if one of the FROM/TO FAU is Restricted, Return Code, and a Failure Text if the Return Code is not zero.

This linkage copy member is changed to add a new input field to pass the sign of the transfer amount to the 120-day edit routine PPETFEDT.

CPLNKEXP

CPLNKEXP defines a linkage area for PPEXPTRN.

It has an input area to accept TS, TM, and TL transaction details and an output area to send error details and TOE record details from the PPEXPTRN program.

This linkage copy member is changed to add the following new output fields to send the print details for per transfer TOE record of Mass Transfer to the program PPP350, if the transfer has the 120 day warning (35-075):

- Employee ID
- Transfer Gross
- Original Gross Earnings
- Total Original Benefits
- PPP5302 report's ET Month, Page, and Line Number

CICS Map Changes

PPEDTLO

This map is used by screen processor program PPWEDTL.

This screen map will be modified to remove appropriate labels and data fields for **displaying** the Social Security Number (EDB 0111).

PPEDTS0

This map is used by screen processor program PPWEDTS.

This screen map will be modified to remove appropriate labels and data fields for **displaying** the Social Security Number (EDB 0111).

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CICS Help Updates

CICS Help Text Anchors

CICS Help text anchors for the following will be removed from the EDTL and EDTS functions and will be replaced with CICS screen level help when the PF1 key is pressed,

- EDB 0111 (Social Security Number)

Control Table Updates

System Messages Table (PPPMSG)

Error Messages 35-075 will be used while editing for 120-day limit on Expense Transfers and the message text of this error message will be changed into System Messages table (PPPMSG) as below:

MSG_NUMBER	→ 35-075	MSG_REFERENCE	→ 1
MSG_SEVERITY	→ 2	MSG_TURNAROUND	→
MSG_TEXT	→ EXPENSE TRANSFER IS OVER 120 DAYS OLD		
MSG_BATCH_SEVERITY	→ 3	MSG_ONLIN_SEVERITY	→ 3