Service Request 12821
TX Retroactive Payments
Phase Two

DETAIL DESIGN

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Information Systems & Computing
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Introduction

Release 1065 modified programs PPP930 and PPP940 as Phase One of this TX Retroactive Payments project. Some of the following text repeats references to those changes in order provide the context for the changes proposed in this document.

A decision by an Administrative Law Judge requires the University to pay retroactive range, merit and incentive awards to exclusively represented members of the Technical bargaining unit represented by UPTE (University Professional and Technical Employees). The University must also pay interest on these moneys based on when the employees should have received the original payment.

Campuses will use existing processes to update the employee data base with the range adjusted and/or merit adjusted rates.

The existing retroactive range process will be used. It has a component which will determine the adjustment amounts and create appropriate RA transactions.

For employees not included in an overlapping range adjustment, the existing retroactive merit process will be used. It has a component which will determine the adjustment amounts and create appropriate RA transactions.

For employees that are also included in the overlapping range adjustment, a modification to the existing process will be developed which will correctly identify records on the PAR file requiring adjustment, but which will determine the adjustment amount based on the actual merit component only, i.e. not including the range adjustment amount. This process will also create appropriate RA transactions.

For specific employees affected, incentive award payments will be coded and keyed as normal RA transactions. These transactions should be retained together in a separate file.

An additional issue has been raised regarding the hourly rates as defined on the range and merit pay scale files and calculated hourly rates on PAR earnings distributions. The pay scale hourly rates are only carried out to two decimal positions. In the Compute, however, when an hourly rate is calculated from a non-hourly pay rate, the hourly rate is calculated to four decimal positions. Rate matching between the pay scale files and such PAR earnings distributions results in a non-match, and this causes the record to be selected but defined as an exception. The correction of exceptions places a manual work load on the campuses during any retroactive adjustment processing. It is requested that some mitigation of this work load be developed as part of this project.
After the appropriate transaction files have been created, an intermediate process is needed prior to the Compute to do two things.

First, simple interest must be calculated for each retroactive amount from the time it was originally paid to the associated campus population to the time the amount is paid, i.e. the check date of the Compute in which it is processed. Separate FT transactions will be created for interest payments, using a special one-time DOS Code LTX. For interest payments for Federal Funds, a default Full Accounting Unit (FAU) will be used.

Second, since the Compute has a limit of 99 transactions per Employee ID, the multiple RA transactions will be collapsed, if necessary and where possible, on the basis of matching Employee ID, FAU, Title Code, DOS Code and Pay Rate Type. Despite the collapse into fewer transactions, the full detail upon which the calculations are based will be retained and can be displayed in report form.
Processing Overview

There are five main retroactive processes which must occur:

10/1/94 Retroactive Range for Title Codes contained in a UCOP provided Payscale table.

10/1/94 Retroactive Merit for APS Employee ID’s contained in a campus generated Merit payscale file (ID’s not included in Retro Range).

1/1/95 Retroactive Merit for Employee ID’s contained in a campus generated Merit payscale file (ID’s overlap with Retro Range).

7/1/95 Retroactive Merit for Employee ID’s contained in a campus generated Merit payscale file (ID’s overlap with Retro Range).

Variously dated Retroactive Incentive Awards for Employee ID’s identified by the campus.

1. The **existing** processes for the 10/1/94 Retro Range Adjustment will be performed. This includes the appropriate updates to the Prior Period Table. The RA transaction file should be retained, but not processed through any Compute.

2. The **existing** processes for the 10/1/94 Retro Merit Adjustment will be performed. This includes the appropriate updates to the Prior Period Table. The RA transaction file should be retained, but not processed through any Compute.

3. The **modified** process (i.e. PPP930 and PPP940 changes) will be used for the 1/1/95 Retro Merit Adjustment. Existing processes should be used to make appropriate updates to the Prior Period Table. The selection phase of PPP930 will be changed to allow for special processing of a Merit that overlaps with a Range Adjustment. First the Retro Range Payscale file will be accessed using the PAR pay rate, then the Retro Range Payscale New Rate, if one is found, will be used to access the Merit Match file. Otherwise, PPP930 will act consistently with normal Retro Merit processing. The RA transaction file should be retained, but not processed through any Compute.

4. The **modified** process (i.e. PPP930 and PPP940 changes) will be used for the 7/1/95 Retro Merit Adjustment. Existing processes should be used to make appropriate updates to the Prior Period Table. The selection phase of PPP930 will be changed to allow for special processing of a Merit that overlaps with a Range Adjustment. First the Retro Range Payscale file will be accessed using the PAR pay rate, then the Retro Range Payscale New Rate, if one is found, will be used to access the Merit Match file. Otherwise, PPP930 will act consistently with normal...
Retro Merit processing. The RA transaction file should be retained, but not processed through any Compute.

5. RA transactions will be keyed for Retroactive Incentive Awards. The Pay End date should be the Pay Period End Date the specific employee should have been paid the award. This transaction file should be retained, but not processed through any Compute.

6. New one-time programs will then process the four RA files and create a new RA/FT file for processing in an appropriate Compute. The programs will calculate due interest based on transaction Pay Period End Dates and a proposed payment date entered via the run specification record. They will, if necessary, collapse RA transactions based on Employee ID, FAU (default for Federal Contracts & Grants), Title Code and DOS Code. Supporting detail reports will be produced. **These are the changes that will be included in this Phase Two of the project.**

7. The RA/FT transaction file out of the new program will be processed through an appropriate Compute.
Changes from Requirements:

1. The Requirements Document stated that each pay cycle would have a separate rate, as follows:

   A rate of 1/12 of 10%, calculated as .008333, per monthly period.
   A rate of 1/24 of 10%, calculated as .004167, per semi-monthly period.
   A rate of 1/26 of 10%, calculated as .003846, per bi-weekly period.

   Instead, a daily rate will be used for all interest calculations:
   The rate will be 1/365 of 10%, calculated as .000274, per day.

2. The Requirements Document requested an Interest Summary by Fund Source report with breaks and subtotals by Fund. Additionally, it has been requested that the report be organized in Location/Fund order, with subtotals by Fund within Location and by Location. It was also decided that the interest for Federal Funds be reported under the default FAU, not the original FAU.
Program Changes

PPP930:

Program PPP930 processes Retroactive Range and Merit adjustments. It was modified as part of Release 1065.

PPP940:

Program PPP940 reads the report file produced by PPP930 and prints the reports. It was modified as part of Release 1065.
One-Time Programs

Three one-time programs will be created. The first will load the retroactive and incentive award RA transaction files into a work DB2 table. The second program will calculate the interest due for each transaction/row. The third program will create the reports and final RA/FT transaction files.

PPORRRRA:

The first one-time program will read the four RA files created during the retro processing and the RA file keyed for the incentive awards, and insert a row in a work DB2 table for each transaction read.

It will execute an SQL Delete statement to delete any existing data on the table, by File Source ID, for any file that is being loaded. This allows the loading of files one by one, if that is desirable. This also allows a partial or complete rerun if one of the retro files needs to be reprocessed through a FINAL phase of PPP930. The default will be to load all files, and thus to delete and replace all existing data on the table.

Run Specification Record edit:

The Run Specification Record will be read. If one does not exist, a message will be issued and the job will stop. If one exists, a standard program ID field will be edited to determine that the correct Run Specification Record is being used. If the ID is invalid, a message will be issued and the job will stop.

Next it will be determined if the flags requesting file loads contain valid values. Valid values will be Y (which means delete any table data from that file source and load the file data), N (which means do not delete the data from that file source, nor load any new data) and blank (which will default to Y). If any invalid value is entered for any of the five files, a message will be issued and the job will stop. Messages will be issued stating explicitly which files are being loaded and which are not.

A run specification form will not be created for this program. See Attachment B for the coding specifications.

Following is a sample for the Run Specification Record when requesting all files to be loaded: PPORRRRA-SPECYYYYY
File Processing:

For each of the five files, the Run Specification Record flag will be checked to determine if the file is being processed. If it is, an SQL DELETE statement will first be executed to delete all rows identified as having that File Source ID (see below for File Source ID’s).

The file will be opened. If the file is empty, a message will be issued and the job will stop. It will read the records until end-of-file and perform the following steps for each transaction.

1. For each record it will build a key consisting of the Employee ID, Pay Period End Date, Source File ID and a incremented sequence number. The Employee ID and Pay Period End Date will be obtained from the transaction. The sequence number will be incremented uniquely within File Source ID. The File Source ID’s will be:
   - RR for the 10/1/94 Retro Range RA transaction file
   - M1 for the 10/1/94 Retro Merit RA transaction file
   - M2 for the 1/1/95 Retro Merit RA transaction file
   - M3 for the 7/1/95 Retro Merit RA transaction file
   - IA for the Incentive Awards RA transaction file
2. The Employee ID will be used to obtain the employee name from the EDB. If the ID is not on the EDB the name will contain “Name Unknown”.
3. For later processing logic the transaction FAU, pay cycle code, Title Code, DOS code and Pay Rate Type (i.e. percentage, hours or flat amount) will be copied to their own fields.
4. The FAU Fund will be compared to the Federal Funds definition in CPWSXIC5 (IDC-FUND-MIN to IDC-FUND-MAX) to determine if the Fund is a Federal Fund. If so, a Federal Fund flag will be set to Y.
5. Three fields for pay amount, number of interest days and interest amount will be initialized to zero.
6. The RA transaction as a whole will be moved to a transaction image field, mainly for possible audit purposes.
7. The record will be released to an internal sort based on the table key structure.
8. The next transaction will be read. At end-of-file the file will be closed.

When all the files have been processed, a sortout procedure will receive the records released to the sort. Each record will be inserted as a row into the work DB2 table. The sorting should result in the rows being appropriately spaced across the defined table pages. Note that the more files that are processed the first time, the more efficient the paging and later processing will be.

The batch headers will be included in the table with initial values in the fields except for the Source File ID, sequence number and transaction image.
Simple counts will be kept for each file and an audit report will be issued.

**PPORRRRB:**

The second one-time program will read the RA work table and calculate the amount, interest days and interest due on each row. Since it will walk through every row and update each row, this job also will be rerunnable if the interest payment date needs to be adjusted and the interest recalculated.

**Run Specification Record edit:**

If a Run Specification Record does not exist, an error message will be issued and the job will stop. If the record exists, the ID will be edited. If the ID is invalid, an error message will be issued and the job will stop.

Since some campuses will have already paid the Incentive Awards and others not, a flag will be required that states whether or not RA transactions should be created for the retroactive payments for the Incentive Awards. In either case, RA’s for the interest will be generated. The valid values will be Y (yes, create retroactive payments) and N (no, do not create retroactive payments. **Blank will not default and will be considered invalid.** If the value is invalid, an error message will be issued and the job will stop.

An expected payment date must be entered. This date should be the check when the affected employees will receive the TX retroactive and interest money. **This date marks the end date for interest calculation.** It is assumed in this process that all TX retroactive payments, including interest, will be paid at the same time. The beginning date will differ, depending on the pay cycle and retroactive payment cycle and when the campus community was originally paid, but the end date will be the same. The date will be edited to ensure that it is a valid date. If the date is not valid, a message will be issued and the job will stop.

If subsequent events indicate that the date of the Compute that will eventually process the TX payments is going to be changed, then this job needs to be rerun with the new date in order to correctly calculate the interest. This program can be run repeatedly.

A run specification form will **not** be created for this program. See Attachment C for the coding specifications.
Following is a sample for the Run Specification Record that uses July 1, 1996 as the projected endpoint for interest calculation, i.e. the expected check date.

PPORRRRB-SPECY070196

**Interest Calculation Date Records:**

There will be one Interest Calculation Date Record for each Pay Cycle (monthly, semi-monthly, biweekly) within each retroactive file. For example, if the Retro Range Adjustment ran with Monthly and Biweekly Begin and End dates on the Prior Period Table, then there should be two Interest Calculation Date Records for that file. Each record will have a date on it which will represent the Pay Period End Date on which the associated campus population was paid. **This marks the beginning point for interest calculation.**

If there are no Interest Calculation Date Records, a message will be issued and the job will stop.

The Pay Cycle will be edited for values M, S and B. If the value is invalid a message will be issued and the job will stop.

The date will be the standard MMDDYY format. A simple edit of the date will be performed to ensure that it is a valid date. If a date is invalid a message will be issued and the job will stop.

The Interest Calculation Date Records will be printed and an internal table will be built containing the pay cycle and date data. The possible entries are:

- RR Monthly
- RR Biweekly
- RR Semi-monthly
- M1 Monthly
- M1 Biweekly
- M1 Semi-monthly
- M2 Monthly
- M2 Biweekly
- M2 Semi-monthly
- M3 Monthly
- M3 Biweekly
- M3 Semi-monthly
- IA Monthly
- IA Biweekly
- IA Semi-monthly

A special form will **not** be created for these records. See Attachment D for the coding specifications.
Following are samples of the Interest Calculation Date Records for the Range Adjustment monthly, semi-monthly and bi-weekly interest start dates:

RRM030195
RRS030195
RRB030895

**Interest Calculation:**

If there have not been errors to this point, then interest calculation will be performed.

Every row on the Work RA table will be read, ordered by Employee ID, Pay Period End Date, File Source and Pay Cycle.

First, the expected payment amount will be calculated using the rate and time or amount and percentage from the original transaction data. The amount field on the row will be updated with this value.

Next, the DOS Code will be used to access the DOS Code table to determine whether the DOS Code has a calculation Function code of ‘F’ (e.g. overtime) or has a TOC Indicator greater than spaces. In addition, consistent with past Compute logic, the hard coded value “TOC” will indicate a TOC DOS Code. A working copy of the calculated amount will be adjusted for either factor. **These factors might not represent what was in place at the time of the original payment, nor might they still be the same when the final Compute for this process is run.** Note that this is **not** the amount or rate field of the transaction image.

Whenever the File Source flag or Pay Cycle code change, they will be used in combination to access the table containing the Interest Calculation Date Records. If there is no match, then a message will be issued along with data defining the row, the **amount, interest days and interest fields will remain zeros**, but the job will continue by fetching the next row.

If there is a match, the date will be obtained for use as the beginning date for interest calculation.

If the Pay Period End Date on the table row is prior to the beginning date for interest calculation on the Interest Calculation Date Record, i.e. the paid date for the associated campus population, the Interest Calculation Date Record date will be used. Otherwise, the Pay Period End Date will be used as the beginning date for interest calculation.

The begin date and end date will then be used to calculate the number of days for which interest is owed. The interest days field on the row will be updated with this value. There is one variation from this logic for the Incentive Awards, if the campus has already paid the award and the flag
The Requirements Document stated that each pay cycle would have a separate rate, as follows:
A rate of 1/12 of 10\%, calculated as .008333, per monthly period.
A rate of 1/24 of 10\%, calculated as .004167, per semi-monthly period.
A rate of 1/26 of 10\%, calculated as .003846, per bi-weekly period.

**Instead, a daily rate will be used for all interest calculations:**
A rate of $1/365$ of 10\%, calculated as .000274, per day.

The interest due will be calculated as:
The beginning date will be passed to LE/370 date service CEEDAYS to convert it to a Lilian format (number of days since 10/15/1582).
The check date from the Run Specification Record will be passed to LE/370 date service CEEDAYS to convert it to a Lilian format.
Number of days of interest will be calculated by subtracting the beginning number of Lilian days from the ending number of Lilian days.
Interest will be calculated as .000274 times the number of days of interest times the amount (adjusted for non-zero factors).

The interest field on the row will be updated with the calculated interest.

Note that the interest amount will be on a row even if its Pay Period End Date is before the beginning date for interest calculation, but the calculated interest will from that later beginning date.

The next row will be fetched until there are no more rows, and the previous process repeated.

**PPORRRRC:**

The third one-time program will create the final RA transaction files and reports.

**Run Specification Record edit:**

If a Run Specification Record does not exist, an error message will be issued and the job will stop. If the record exists, the ID will be edited. If the ID is invalid, an error message will be issued and the job will stop.
Since some campuses will have already paid the Incentive Awards and others not, a flag will be required that states whether or not RA transactions should be created for the retroactive payments for the Incentive Awards. In either case, RA’s for the interest will be generated. The valid values will be Y (yes, create retroactive payments) and N (no, do not create retroactive payments). Blank will not default and will be considered invalid. If the value is invalid, an error message will be issued and the job will stop.

A default FAU must be provided to replace original Federal Contract and Grant fund sources for interest payments. If the field is spaces, an error message will be issued and the job will stop.

A batch header number must be provided for the batch header created for the output file. If the field is not numeric an error message will be issued and the job will stop.

A pay period end date must be provided for use on the interest payment transactions. The date will be in standard MMDDYY format. The date will be edited to ensure that it is a valid date. If the date is not valid, a message will be issued and the job will stop.

A run specification form will not be created for this program. See Attachment E for the coding specifications.

Following is the layout for the Run Specification record when requesting retroactive payments:

PPORRRRC-SPECYLAAAAAACCCCFFFFFPFFFPS091070196

**RA Compression and File Creation:**

A first cursor will select Employee ID, Pay Period End Date, Source File ID and transaction image from each row.

A second cursor will sum interest grouped by Employee ID, FAU, Title Code, DOS Code and Federal Fund flag (yes or no). “Grouping” uses a DB2 function to organize and consolidate the data rather than using application program code. “Grouped” means that a “row” is returned for each unique set of grouping fields along with the sum of the interest on all the rows whose data matches the grouping fields. For example, Employee ID 123456789 was paid on a REG DOS code on Title Code 0001 but under two FAU’s (FAU1 and FAU2). There could be fifty rows on the table representing all the transactions from the many months of retroactive pay. This cursor would return two rows, one for Employee ID 123456789, DOS Code REG, Title Code 0001 and FAU1 with a summed interest amount from all the rows so grouped, and a second row for Employee ID 123456789, DOS Code REG, Title Code 0001 and FAU2 with a summed interest amount from all the rows so grouped.
The logic will walk through the first cursor. When a break on Employee ID occurs, the logic to issue the interest transactions will occur first.

The second cursor will be opened for the Employee ID. Each non-Federal Fund group’s data and the summed interest will be used to issue an FT transaction using the special LTX DOS Code. If it is a Federal Fund, then the interest is accumulated for the Employee ID, but no individual group transaction is written. At the end of the groups for this employee, if the accumulated interest for federal Funds is greater than zero, a single FT for interest against Federal Funds will be written using the default FAU from the Run Specification Record and the LTX DOS Code.

A count will be maintained of the number of interest transactions written for the employee. A count will be made of the number of rows on the PPPWRA table for the employee. If the combined total of rows and interest transaction already written is greater than 99 a flag will be set noting this fact.

If the flag does not indicate a greater than 99 count, then the individual rows for the current Employee ID are processed via the first cursor. The transaction image is written as is to the output file, i.e. the original transaction output from the retroactive process or keyed for incentive awards will be the final transaction processed by the eventual Compute.

If the flag indicates a count greater than 99 then a cursor like the one used to group the interest will be used to group the amount field. An RA transaction will be written for each group using the summed amount as the transaction amount with a 100% percentage, or the summed amount and summed hours will be used to calculate a new rate which will be used along with the summed hours.

This grouping of data may still result in greater than 99 transactions. A warning message will be issued for any Employee ID that has a total number of transactions greater than 99, but no further compression will be done.

**Reporting:**

Two reports are required.

**Interest Summary by Fund Source Report**

First the DB2 SUM function will be used to get the total interest on all rows with a Federal Fund Flag of Y. A dummy row will be inserted into the PPPWRA table using the summed amount and the default FAU.
A cursor will be defined to select all rows, grouped by FAU and ordered by Location, Fund, Account, Cost Center, Project and Sub. If the default FAU is unique, this cursor will return it as its own group. If the default FAU matches other rows’ FAU, then the federal fund interest will be grouped with other rows interest.

Each group will be processed, and the FAU and interest will be printed. A running total of interest will be maintained for the Location, Fund and grand total.

On a break on Location, a subtotal will be printed for the Fund and Location.

On a break on Fund, a subtotal will be printed for the Fund.

The next group will be fetched and the above logic repeated until there are no more groups to be fetched.

At the end a grand total will be printed.

The dummy federal fund row will be deleted.

See Attachment F for a sample report

**Employee Interest Detail Report**

A cursor will be defined to select all rows ordered by Employee ID, Pay Period End Date and File Source.

For each fetched row, the Pay Period End Date, Retroactive Amount and Interest Amount will be printed. A running total of interest will be maintained by Employee ID.

On a break in Employee ID, the total interest amount will be printed.

The rows will be fetched until there are no more rows of data.

See Attachment G for a sample report.
PCD Work RA Table (PPPWRA):

This table will be by the one-time programs. It will be defined and tested as part of the Base PCD database, but the campuses may choose to define it within a different database.

It is assumed that after the TX retroactive process is complete, the tablespace will be dropped and the related DDL and INCLUDE members made obsolete.

TSWRA00C:

This defines the PPPWRA tablespace.

```
CREATE TABLESPACE PPPWRA
  IN PPPPCD
  USING STOGROUP P70004D
  PRIQTY 100
  SECQTY 10
  BUFFERPOOL BP0
  FREEPAGE 5
  PCTFREE 5
  LOCKSIZE ANY
  CLOSE NO;
```

TBWRA00C:

This defines the PPPWRA table.

```
CREATE TABLE PPPWRA
  ( WRA_EMPLOYEE_ID CHAR(09) NOT NULL WITH DEFAULT,
    WRA_PAY_PRD_END_DT DATE NOT NULL,
    WRA_SOURCE_FILE CHAR(02) NOT NULL WITH DEFAULT,
    WRA_SEQ SMALLINT NOT NULL WITH DEFAULT,
    WRA_LOC CHAR(01) NOT NULL WITH DEFAULT
  )
```
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, WRA_ACCT CHAR(06) NOT NULL WITH DEFAULT
, WRA_COST CHAR(04) NOT NULL WITH DEFAULT
, WRA_FUND CHAR(05) NOT NULL WITH DEFAULT
, WRA_PROJ CHAR(06) NOT NULL WITH DEFAULT
, WRA_SUB CHAR(01) NOT NULL WITH DEFAULT
, WRA_TITLE_CODE CHAR(04) NOT NULL WITH DEFAULT
, WRA_DOS_CODE CHAR(03) NOT NULL WITH DEFAULT
, WRA_AMOUNT DEC(09,04) NOT NULL WITH DEFAULT
, WRA_INTEREST DEC(07,02) NOT NULL WITH DEFAULT
, WRA_INTEREST_DAYS SMALLINT NOT NULL WITH DEFAULT
, WRA_RATE_TYPE CHAR(01) NOT NULL WITH DEFAULT
, WRA_FED_FUND CHAR(01) NOT NULL WITH DEFAULT
, WRA_PAY_CYCLe CHAR(01) NOT NULL WITH DEFAULT
, WRA_Emp_NAME CHAR(26) NOT NULL WITH DEFAULT
, WRA_RA_IMAGE CHAR(102) NOT NULL WITH DEFAULT
)

IN PPPPCD.PPPWRA;

IXWRA00C:

This defines the unique primary index for the PPPWRA table.

CREATE UNIQUE INDEX PPPXWRA ON PPPWRA
(WRA_EMPLOYEE_ID
, WRA_PAY_PRD_END_DT
, WRA_SOURCE_FILE
, WRA_SEQ
)

SUBPAGES 1
BUFFERPOOL BP0
CLOSE NO
CLUSTER
FREEPAGE 0
PCTFREE 10 ;
PPPVZWRA:

This defines the whole table View of the PPPWRA table.

CREATE VIEW PPPVZWRA_WRA
AS SELECT
    WRA_EMPLOYEE_ID,
    WRA_PAY_PRD_END_DT,
    WRA_SOURCE_FILE,
    WRA_SEQ,
    WRA_LOC,
    WRA_ACCT,
    WRA_COST,
    WRA_FUND,
    WRA_PROJ,
    WRA_SUB,
    WRA_TITLE_CODE,
    WRA_DOS_CODE,
    WRA_AMOUNT,
    WRA_INTEREST,
    WRA_INTEREST_DAYS,
    WRA_RATE_TYPE,
    WRA_FED_FUND,
    WRA_PAY_CYCLE,
    WRA_EMP_NAME,
    WRA_RA_IMAGE
FROM PPPWRA;
INCLUDE Members

PPPVZWRA:

This INCLUDE member declares the COBOL working storage and Creates the table, i.e. View, used to access the PPPWRA table.

10 WRA-PAY-PRD-END-DT PIC X(10).
10 WRA-SOURCE-FILE PIC X(02).
10 WRA-SEQ PIC S9(4) USAGE COMP.
10 WRA-LOC PIC X(01).
10 WRA-ACCT PIC X(06).
10 WRA-COST PIC X(04).
10 WRA-FUND PIC X(05).
10 WRA-PROJ PIC X(06).
10 WRA-SUB PIC X(01).
10 WRA-TITLE-CODE PIC X(04).
10 WRA-DOS-CODE PIC X(03).
10 WRA-AMOUNT PIC S9(5)V9(4) USAGE COMP-3.
10 WRA-INTEREST PIC S9(5)V9(2) USAGE COMP-3.
10 WRA-INTEREST-DAYS PIC S9(4) USAGE COMP.
10 WRA-RATE-TYPE PIC X(01).
10 WRA-FED-FUND PIC X(01).
10 WRA-PAY-CYCLE PIC X(01).
10 WRA-EMP-NAME PIC X(26).
10 WRA-RA-IMAGE PIC X(102).

EXEC SQL DECLARE PPPVZWRA_WRA TABLE
( WRA_EMPLOYEE_ID CHAR(09) NOT NULL,
  WRA_PAY_PRD_END_DT DATE NOT NULL,
  WRA_SOURCE_FILE CHAR(02) NOT NULL,
  WRA_SEQ SMALLINT NOT NULL,
  WRA_LOC CHAR(01) NOT NULL,
  WRA_ACCT CHAR(06) NOT NULL,
  WRA_COST CHAR(04) NOT NULL,
  WRA_FUND CHAR(05) NOT NULL,
  WRA_PROJ CHAR(06) NOT NULL,
  WRA_SUB CHAR(01) NOT NULL,
  WRA_TITLE_CODE CHAR(04) NOT NULL );
WRA_DOS_CODE                         CHAR(03) NOT NULL
WRA_AMOUNT                           DECIMAL(09,04) NOT NULL
WRA_INTEREST                         DECIMAL(07,02) NOT NULL
WRA_INTEREST_DAYS                    SMALLINT NOT NULL
WRA_RATE_TYPE                        CHAR(01) NOT NULL
WRA_FED_FUND                         CHAR(01) NOT NULL
WRA_PAY_CYCLE                        CHAR(01) NOT NULL
WRA_EMP_NAME                         CHAR(26) NOT NULL
WRA_RA_IMAGE                         CHAR(102) NOT NULL
) END-EXEC.
One-Time Binds

**PPORRRRA:**

A plan bind will be created for one-time program PPORRRRA.

BIND
- PLAN(PPORRRRA)  
- MEMBER(PPORRRRA)  
- ACTION(REPLACE)  
- RETAIN  
- VALIDATE(BIND)  
- ISOLATION(CS)  
- FLAG(I)  
- ACQUIRE(USE)  
- RELEASE(COMMIT)  
- EXPLAIN(YES)

**PPORRRRB:**

A plan bind will be created for one-time program PPORRRRB.

BIND
- PLAN(PPORRRRB)  
- MEMBER(PPORRRRB, PPTCTUTL)  
- ACTION(REPLACE)  
- RETAIN  
- VALIDATE(BIND)  
- ISOLATION(CS)  
- FLAG(I)  
- ACQUIRE(USE)  
- RELEASE(COMMIT)  
- EXPLAIN(YES)

**PPORRRRC:**
A plan bind will be created for one-time program PPORRRRC.

<table>
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<tr>
<td>RETAIN</td>
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<td>VALIDATE(BIND)</td>
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<td>ISOLATION(CS)</td>
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<td>FLAG(I)</td>
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<td>ACQUIRE(USE)</td>
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<td>RELEASE(COMMIT)</td>
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<tr>
<td>EXPLAIN(YES)</td>
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</tbody>
</table>
Forms Changes

Error! Bookmark not defined. **PPP930 Program Run Specification (UPAY678)**

The **UPAY678** form was modified in Release 1065.
Table Updates

Description of Service Table:

A one-time DOS Code will be added for use with the lump-sum interest paid on the retroactive range and merit payments.

See Attachment B for a sample update form.
TX Retroactive Payment-Phase Two
Detail Design

Attachments

Attachment A  Sample Description of Service UPAY650 form.
Attachment B  PPORRRRA Run Specification Record
Attachment C  PPORRRRB Run Specification Record
Attachment D  PPORRRRB Interest Calculation Date Records
Attachment E  PPORRRRC Run Specification Record
Attachment F  Interest Summary by Fund Source Report
Attachment G  Employee Interest Detail Report