

**Release 1475**

**Service Request 80400**

**Error Report 1846**

**Error Report 1848**

**Modify HCRA Effective Date and  
Termination Date Retention**

**Detail Design**

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## **Introduction**

Release 1440 added HCRA related data elements to PPS. HCRA Effective Date (GTN 338) is stored on the PPPBRS table. When a HCRA Termination Date is reached, Release 1440 code zeroed out the G-Balance, but retained the PPPBRS Effective Date for SHPS reporting.

The retention of the Effective Date together with a zero balance results in edit errors due to the logic of GTN editing for GTN's which require an effective date. The GTN edit expects either both a G-Balance and an Effective Date, or neither. This edit error can block the update of other unrelated GTN's.

SHPS has confirmed that once the original HCRA Effective Date has been passed, SHPS processes can tolerate a subsequent zero filled Effective Date field on the file passed to the carrier.

Service Request 80400 requests that the PPS process be modified to also delete the HCRA Effective Date whenever the G-Balance is zeroed out. Additionally, a one-time process was requested to identify orphan HCRA Effective Dates and delete them.

Additionally, Error Report 1848 reported that HCRA Termination Dates were being established during Separation and I4 Separation for employees not enrolled in HCRA. This can cause subsequent abends when an employee is separated, and then rehired, and attempts to enroll via the Web for initial HCRA enrollment. Initialization of inappropriate HCRA Termination Dates has been folded into the above one-time process.

## **Programs**

### **PPEA006**

PPEA006 enforces Separation consistency edits when a Separation is performed, including the establishment of a HCRA Termination Date.

PPEA006 will be modified to derive HCRA Termination Dates only when the employee is enrolled in HCRA, i.e. has a GTN 338 U-Balance greater than zero.

### **PPEG338**

PPEG338 enforces HCRA consistency edits during explicit EDB Maintenance. It also executes as part of nightly Web/IVR processing to derive HCRA Declining balances from passed Annual Amounts, i.e. GTN 338 U-Balances.

PPEG338 will be modified to bypass blocking logic and perform the Declining Balance derivation.

### **PPEM107**

PPEM107 is an Implied Maintenance module which performs I-4 Separation edits during Monthly Periodic EDB Maintenance, including the establishment of a HCRA Termination Date.

PPEM107 will be modified to derive HCRA Termination Dates only when the employee is enrolled in HCRA, i.e. has a GTN 338 U-Balance greater than zero.

### **PPEM338**

PPEM338 is an Implied Maintenance module which enforces HCRA termination during Periodic EDB Maintenance. Currently it sets the GTN 338 G-Balance to zero when the HCRA Termination Date is in a prior month.

PPEM338 will be modified to also initialize the BRS Effective Date for GTN 338 whenever the G Balance is initialized.

## One-Time Programs

### PPOTRRRR

A one-time program will be created to perform two corrections. It will delete any HCRA Effective Date, if a PPPBRS Effective Date exists and the GTN 338 G-Balance is zero. It will also initialize any HCRA Termination Date that is not already initial value when the GTN 338 U-Balance is greater than zero.

The program will be capable of running in non-update and update mode. An EDB Change File (ECF) will be created in either mode. This will allow review of results prior to actual update.

A Run Specification record at DD CARDFIL will be required to indicate whether non-update mode (REPORT) or update mode (UPDATE) is requested.

PPOTRRRR-SPECREPORT

Or

PPOTRRRR-SPECUPDATE

If the Run Specification record is missing, or the program ID is incorrect, or the requested mode is invalid, an error message will be issued and the job will end with a Condition Code 8.

A UNION cursor will be defined to select Employee ID's with PPPBRS GTN 338 HCRA Effective Dates, or a non-initial HCRA Termination Date.

```
EXEC SQL
    DECLARE HCRA_CSR CURSOR FOR
        SELECT  EMPLOYEE_ID
            FROM  PPPVZBRS_BRS
            WHERE BENRATE_GTN = '338'

        UNION

        SELECT  EMPLOYEE_ID
            FROM  PPPVZBEN_BEN
            WHERE HCRA_TERM_DATE > '0001-01-01'

        ORDER BY EMPLOYEE_ID
END-EXEC.
```

For each fetched cursor row, a SELECT will be attempted on the PPPBRS table for a HCRA Effective Date.

```
EXEC SQL
    SELECT  CHAR (DED_EFF_DATE, ISO)
        INTO :DED-EFF-DATE
            FROM  PPPVZBRS_BRS
            WHERE EMPLOYEE_ID = :WS-EMPLOYEE-ID
            AND  BENRATE_GTN = '338'
END-EXEC.
```

If an Effective Date is found, a SELECT will be attempted on the PPPDBL table for a GTN 338 G-Balance.

```
EXEC SQL
    SELECT  GTN_AMT
```

```
      INTO :GTN-AMT
      FROM PPPVZDBL_DBL
      WHERE EMPLOYEE_ID = :WS-EMPLOYEE-ID
            AND GTN_NUMBER = '338'
            AND GTN_IND = :WS-GTN-IND
END-EXEC.
```

If the row does not exist, or has a zero value (should not occur), the PPPBRS Effective Date will be targeted for deletion.

The Employee ID and HCRA Effective Date will be displayed at DD SYSOUT in either mode:  
EMPLOYEE ID 00000001 HCRA EFFECTIVE DATE 2002-12-31 DELETED.

An ECF record will be written at DD EDBCHG reflecting this change in either mode.

If running in update mode, the PPPBRS row will be deleted.

```
EXEC SQL
  DELETE FROM PPPVZBRS_BRS
  WHERE EMPLOYEE_ID = :WS-EMPLOYEE-ID
        AND BENRATE_GTN = :WS-GTN-338
END-EXEC.
```

Also for each fetched cursor row, a SELECT will be attempted on the PPPBEN table for a HCRA Termination Date.

```
EXEC SQL
  SELECT CHAR (HCRA_TERM_DATE, ISO)
  INTO :HCRA-TERM-DATE
  FROM PPPVZBEN_BEN
  WHERE EMPLOYEE_ID = :WS-EMPLOYEE-ID
END-EXEC.
```

If the row exists, and the HCRA Termination Date is greater than initial value, a SELECT will be attempted on the PPPDBL table for a GTN 338 U-Balance.

```
EXEC SQL
  SELECT GTN_AMT
  INTO :GTN-AMT
  FROM PPPVZDBL_DBL
  WHERE EMPLOYEE_ID = :WS-EMPLOYEE-ID
        AND GTN_NUMBER = '338'
        AND GTN_IND = :WS-GTN-IND
END-EXEC.
```

If the row does not exist, or has a zero value (should not occur), the PPPBEN HCRA Termination Date will be targeted for initialization.

The Employee ID and HCRA Termination Date will be displayed at DD SYSOUT in either mode:  
EMPLOYEE ID 888000135 HCRA TERMINATION DATE 2003-03-31 INITIALIZED.

An ECF record will be written at DD EDBCHG reflecting this change in either mode.

If running in update mode, the HCRA Termination Date will be initialized.

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```
EXEC SQL
  UPDATE PPPVZBEN_BEN
    SET HCRA_TERM_DATE = '0001-01-01'
    WHERE EMPLOYEE_ID = :WS-EMPLOYEE-ID
END-EXEC.
```

A simple audit report will be written at the end of cursor processing indicating the number of PPPBRS rows selected, and the number deleted. The latter, together with the ECF Header, should match the number of ECF records written.

In addition to the simple DISPLAY reporting, PPP180 can be used to read the ECF and report on the changes.

## **Bind Members**

### **PPOTRRRR**

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

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

## **JCL**

### **PPOTRRRR**

Sample JCL will be created for one-time program PPOTRRRR.