EMPLOYEE
DATABASE
MAINTENANCE
RE-ENGINEERING

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EDB MAINTENANCE RE-ENGINEERING

1.0 PROJECT OBJECTIVES

1. Remove all functions from the batch EDB maintenance process which can operate independently as a stand-alone function.

2. Consolidate redundant multiple-copy processes into shared (Dual Use), single-copy processes.

3. Separate application specific source from the main line "Driver" source to facilitate system maintenance.

4. Incorporate table driven functions whenever possible to provide added flexibility in performing on-going system maintenance.

5. Design system software such that there is no reference to traditional fixed length segmented data structures.

6. Minimize the dependencies on the Data Element table in reference to fixed length segmented data structures.

7. All data base elements which are updated either explicitly or implicitly, on-line or batch, will be written to an employee change file (Continuing the process which is already in place in the Base System).

8. All program source code development will conform to UCOP VS COBOL II programming standards.
2.0 PROJECT ASSUMPTIONS

1. Periodic Maintenance will be a Stand-Alone Process.

2. Employee Data Base Key Change / Deletions will be a Stand-Alone Process that will include "Dual Use" processes which can be executed from both the batch and on-line environments.

3. To the greatest possible extent, those functions which are common to both the batch and on-line environments, will be developed as "Dual Use" functions, executable from both environments.

4. On-line Data Base updates will be performed only once after all updates (screens) have been entered and validated for a given employee.

5. On-line consistency editing will be performed in the context of a single screen when all elements of the consistency edit appear on a single screen. Those consistency edits which reference elements not within the context of a single screen will be performed all at once for all screens.

6. All data base value, range, date, table, and consistency edits will be driven from the data element table for both batch and on-line environments.

7. Any QSAM or VSAM files which are currently being accessed by processes which have been targeted for "Dual Use" will be converted to DB2 tables. Since AFP file structures are unique to each campus, VSAM access to these file will be continued. This "Dual Use" function will require separate on-line and batch source which share common procedure division copy members.

8. All system VSAM Control Tables will be converted to DB2. All references to PPIOCTL, within batch EDB Maintenance, will be replaced by in-line SQL or calls to Control Table specific utility modules as part of the EDB Maintenance Re-engineering project.
3.0 PROJECT BACKGROUND

Over the past two years a series of documents have been developed in an attempt to document the current functions of the batch EDB Maintenance process. These documents were developed to provide both a basis from which the status of the system could be evaluated as well as provide a foundation for the development of requirements for a new system design. A list of these documents are as follows:

1. Requirements Definition Personnel Edits Requirements  
   June 21, 1990 (Revised)

2. EDB Maintenance  
   July 2, 1991

3. Action Edits  
   July 2, 1991

4. EDB Maintenance Consistency Edits (USER08)  
   August 14, 1991

5. General Guidelines for Creation of Code for Dual  
   CICS/Batch Use  
   October 31, 1991

6. Report of the Sub-Group on Standardization of Error  
   Severity Levels in the Payroll/Personnel System  
   April 1, 1992

In developing a new design for EDB Maintenance it became apparent that, in order to satisfy the requirements outlined for the Base Payroll/Personnel System, a completely new approach had to be taken. The new EDB Maintenance design had to allow for:

- ease of maintenance.
- source code which was defined only once and could be shared by multiple processes.
- modularized code such that system routines could be shared by both on-line and batch processes.
- ease of installation and minimal source code retrofitting by campuses.

The primary goal to be addressed by the new design is the ongoing need for the simplification of system maintenance. To achieve this goal, the new design defines a distinct separation between "system driver", "system application", and "campus application" functions.
4.0 PROJECT FINDINGS

During the system analysis phase, inventories were made of consistency edit, implied maintenance and periodic maintenance routines. This analysis was the first step in the separation of system "Application Driver" and system "Application Routines". The next step was to isolate that logic which was duplicated within the EDB Maintenance system.

After completing the EDB Maintenance system analysis, the following observations were made;

- The number of Consistency Edits require expansion from the currently defined maximum of 20. This restriction causes non-related elements to be grouped to a common consistency edit routine number. This structure results in the unnecessary execution of unrelated program source.

- Existing Consistency Edit logic needs to be reorganized into multiple Consistency Edit Routines for the purpose of segregating unrelated edit logic, as outlined in the document entitled "EDB Maintenance Consistency Edits (USER08)" dated August 14th, 1991.

- Some Consistency Edits are being performed both in the Data Base Edit (USER08) and Implied Maintenance (USER12) processes.

- All GTN and BRSC Consistency Edits are being performed (Conedit 17) for a single GTN/BRS element update. There is currently no way to trigger GTN Consistency Edits by Data/GTN Element. ALL GTN edits are processed (Consistency Edit 17) if one of the following conditions are satisfied;
  a. Consistency Edit 17 is executed
  b. Collective Bargaining Unit change
  c. GTN balance (G or D) maintenance

There is currently no means of executing GTN edits by GTN number, nor is there a method by which GTN elements can be related to Data Elements for the purpose of triggering related consistency edits. Execution of GTN edits cannot be separated by maintenance activity.

- Implied Maintenance is being performed before and after Consistency Edits within the Data Base Edit Process.

- Some Implied Maintenance is being performed twice, both in the Data Base Edit (USER08) and Implied Maintenance (USER12) processes.
EDB MAINTENANCE RE-ENGINEERING

4.0 PROJECT FINDINGS

○ Several passes are made of the Job Appointments and Distributions for the purpose of Consistency Editing. In some cases, Job Appointment / Distribution Consistency edits were not added to the proper location where other Appointment Consistency Edits were located. This has resulted in the program making multiple passes through the Appointments when only one pass is required.

○ Implied Maintenance routines cannot be selectively triggered independent of personnel action or consistency edit triggers.

○ Periodic Maintenance and Implied Maintenance logic is sometimes interwoven such that both are executed regardless of the setting of periodic maintenance indicators.

○ Any related elements (triggers) which are not identified on the data element table as belonging to a particular consistency edit, are currently being defined in Working Storage within USER08. One good example is the Job Group Id derivation. The system searches a working storage array of data elements to determine if any of the JGI trigger elements were updated in the maintenance cycle.

○ Implied Maintenance executes logic shared with the Periodic Maintenance Process.

○ System Maintenance is difficult to apply for those campuses who have applied changes to the UCOP maintained version.

○ It is difficult to isolate and remove "obsolete" application logic from the EDB Maintenance process.

With the development of the EDB Entry Update On-line System, all Consistency Edit and Implied Maintenance Routines need to be designed such that they can be shared (dual use) between both the batch and on-line environments.
EDB MAINTENANCE RE-ENGINEERING

5.0 DESIGN APPROACH

The approach to the implementation of a re-engineered EDB Maintenance process will follow a modularization process which separates functional logic (e.g., Consistency Edits, Periodic Maintenance, etc.) into modules separate from program driver logic (e.g., I/O, process sequencing).

Those modules which are created to contain functional logic will be referred to as "Application Routines".

Program logic which invokes "Application Routines" will be referred to as "Application Drivers".

Functional logic within EDB Maintenance is invoked in a defined processing sequence which is dictated either by dependency rules inherent in the requirements which the Functional logic satisfies, or by the system implementation of processing (e.g., Consistency Edits are performed in consistency edit number sequence).

Much of the functional logic process sequencing is currently "hard coded" in the EDB Maintenance process by placement of the associated program code within monolithic program code.

To provide flexibility in the maintenance of the EDB Maintenance process, "Application Drivers" will be constructed to invoke "Application Routines" in a sequence which is defined on a system Control Table (Control Data Base). This will allow for the addition or deletion of "Application Routines", or a changing in process sequencing, by modification of a system Control Table instead of re-coding of the "Application Drivers".

Some "Application Routines" will be invoked by more than one "Application Driver" (e.g., during regular EDB Maintenance and Periodic Maintenance) or more than once within an "Application Driver" (e.g., before and after explicit maintenance is applied). To properly define what "Application Routines" are invoked and when, "Application Checkpoints" will be articulated. For example, during regular EDB Maintenance, "Application Routines" are invoked at the following "Application Checkpoints":

○ Before Explicit Maintenance
○ Explicit Maintenance
○ Consistency Edits
○ Action Edits
○ Implied Maintenance
○ Periodic Maintenance "After"
5.0 DESIGN APPROACH

At each "Application Checkpoint" one or more "Application Routines" may be invoked. At different "Application Checkpoints", different groupings of "Application Routines" may be performed. Because "Application Routines" may be invoked at more than one "Application Checkpoint", the concept of a "Processing Group" is introduced to identify the set of "Application Routines" which will be invoked at a given point.

Translating the above into general design specification logic within the EDB Maintenance process will be organized along the lines of "Application Checkpoints". For each "Application Checkpoint", a "Processing Group" definition will be established (on a Processing Group (PGT) Control Table) which identifies the "Application Routines" to be performed. Each "Application Routine" will be defined (on a separate Routine Definition (RTD) Control Table) such that the attributes of a given "Application Routine" which is invoked from more than one "Processing Group" definition need not be replicated in each "Processing Group" definition. A Routine Manager will be invoked at the various "Application Checkpoints", to perform the appropriate "Application Routines" as defined on the Processing Group and Routine Definition Tables.
6.0 ROUTINE MANAGER - PPRTNMGR

6.1 PROCESSING GROUP TABLE (PGT)

The following table definitions represent the entries which are required for the Processing Group Table (PGT). The following is a description of each table element component:

Program Id

The Program Id identifies the processing group definitions for the associated program which will be requesting the entries. The Routine Manager is passed the requesting Program Id from the calling program through the Routine Manager Interface (CPLNKRM1). For batch programs, the first call to Routine Manager (PPRTNMGR) will result in the loading of all processing groups and associated routine definition information for that calling program. This will minimize the amount of Control File I/O required.

Processing Group

The Processing Groups are defined uniquely for each Program Id. Valid Processing Groups will be from 001 - 998. A Processing Group is defined as a relational set of routines which are executed at a predetermined "Application Checkpoint" within the calling program.

Processing Sequence

As the Processing Groups and associated Routine Definitions are initially defined, the Processing Sequence will appear redundant and somewhat similar to the routine number. Over time, as routines are inserted and become shared by other processes, the Processing Sequence will determine the sequence of execution in relation to other routines defined to the same Processing Group. The Processing Sequence will not necessarily be in routine number sequence. The current guideline used in assigning Processing Sequence Numbers, is to use the same sequence as the routine number when assigning routines to a related group such as Action Edits or Consistency Edits. This will allow for the proper spacing in assigning new processing sequence numbers when new Actions or Consistency Edits are introduced.
Routine Type

The Routine Type identifies the processing nature of the routine. For Routine Module naming standards, the routine type, is also identified as the fourth character in the associated routine source module name. The Routine Type allows for a distinct separation between functional system components. The Routine Type is also defined on the Routine Definition Table and is used as the Primary Key along with the Routine Number.

Routine Number

The Routine Number is used as the Primary Key on the Routine Definition Table along with the Routine Type and is primarily used to obtain the name of the routine to be called.

Routine Triggers

The Routine Triggers will be defined on the Processing Group Table for each routine entry. These triggers will define the conditions in which the routine will be invoked. Unlike the previous EDB Maintenance system design, the mere presence of a routine number on an Activity Record will not insure the execution for the associated routine. The presence of Routine Triggers on the Processing Group Record (for execution of a single routine) indicates to the Routine Manager (PPRTNMGR) to check the corresponding Maintenance Switch to see if it is set ON before making the call to the related Routine. The Routine Trigger identified on the PGT Record will be used as an index into the associated Switch Array to validate if maintenance has occurred on elements related to that routine (DET). The following is a list of valid trigger types;

Annn - Personnel Action Trigger
Gnnn - GTN Consistency Edit
Cnnn - Consistency Edit
Innn - Implied Maintenance
U999 - Unconditional

Where 'nnn' represents the Action Code (in the case of Annn) or the Routine Number.

A maximum of 60 different triggers can be selected for a single Routine.
EDB MAINTENANCE RE-ENGINEERING

6.0 ROUTINE MANAGER - PPRTNMGR

6.2 ROUTINE DEFINITION TABLE (RTD)

The following table definitions represent the entries which will be required for the Routine Definition Table (RTD). The following is a description of each table element component;

Routine Type

The Routine Type will identify the processing nature of the routine. The routine type will be identified as the fourth character in the associated execution module name. The Routine Type allows for a distinct separation between functional system components. The Routine Type will be used along with the routine number to access RTD Table entries.

Routine Number

The Routine Number will be defined as the Primary Key on the Routine Definition Table along with the Routine Type and will be utilized to randomly access Routine Definition Table information.

Status

Not Currently Used

Proposed Function:

Any Routine can be inactivated by changing the Routine Status from "Active" to "Inactive". All "Inactive" routines will be bypassed by the Routine Manager.

Called Module

The Called Module identifies the LOAD member name which will be called when the routine is invoked by the Routine Manager.

Execution Start/Stop Dates

Not Currently Used

Proposed Function:

In addition to Routine Status, the Routine Start and Stop dates can be used to limit the effective execution of a given edit or function.
6.0 ROUTINE MANAGER - PPRTNMG

6.2 ROUTINE DEFINITION TABLE (RTD) DESCRIPTION

Execution Effective Date

Not Currently Used

Proposed Function:

Effective Date Driven Object Execution
EDB MAINTENANCE RE-ENGINEERING

6.0 ROUTINE MANAGER - PPRTNMGR

6.3 MODULE NAMING CONVENTIONS

The routine names used in the 'CALL' statement by the Routine Manager (PPRTNMGR) will be resident on the Routine Definition Table (RTD). The following Routine Naming convention have been incorporated;

Routine:  PPEXNNN

PPE - Constant

X - Routine Type

This portion of the routine name will be obtained from the Routine Definition Table element, XRTN-TYPE. The valid values are:

M - Monthly Periodic Maintenance Routine
Q - Quarterly Periodic Maintenance Routine
Y - Yearly Periodic Maintenance Routine
F - Fiscal Periodic Maintenance Routine
A - Action Edit
C - Consistency Edit Routine
G - Gross to Net Consistency Edits
I - Implied Maintenance Routine

NNN - Routine Number

The assigned number should, whenever possible, match the associated trigger number assigned on the data element or GTN tables. This guideline may not be followed in the case of unconditionally executed routines.

001-799  Reserved for UCOP Use
800-990  Reserved for Campus Use
991-999  Reserved for System Use

The Routine Manager (PPRTNMGR) will select entries from the Routine Definition Table for execution based on the Processing Group passed from the Application Driver.
EDB MAINTENANCE RE-ENGINEERING

6.0 ROUTINE MANAGER - PPRTNMGR

6.4 FUNCTIONAL DESCRIPTION

Batch Initialization

The first time the Routine Manager is called, all processing groups entries will be loaded for the requesting Application Driver (08,12,13, etc.) into a working storage array. All Processing Group entries will be selected and loaded into this array in "Processing sequence" within Processing Group.

Routine Execution Selection

Each routine defined to the Processing Group will be selected in priority sequence. The Routine Manager will select Routines for execution based on the Triggers defined to each Processing Group entry. Each trigger value identified on the Processing Group Table Record will control execution of the identified routine. If a trigger value of 'Gnnn', 'Innn', 'Cnnn', or 'Annn' is present, Routine Manager will check to see if the corresponding entry in the associated Switch Array is set to a value of '1'. The following is a list of Trigger types along with the associated Switch Arrays;

- G - EGES-GTN-EDIT-SWITCH: CPWSEGES
- C - ECES-CON-EDIT-SWITCH: CPWSECES
- I - EIMS-IMPL-MAINT-SWITCH: CPWSEIMS
- A - XACN-ACTION-ARRAY: CPWSXACN

These arrays are explicitly maintained via the 'POST-PROCESS' sections of USER08 and USER12. In addition, the arrays are implicitly maintained as a function of the 'AUDITING-RESPONSIBILITIES' section within each program (CPDDEXEC). The Data Element and Gross-to-Net Tables define the relationships between Data/GTN Elements and Routine Numbers. Unconditional execution can be identified on the Processing Group Table by assigning the Trigger value of 'U999'.

Job Appointment/Distribution Selection

A Separate set of two dimensional Switch Arrays will be maintained for determining the execution of Job Appointment (001-049) and Distribution (051-099) Level routines (CPWSEXAD). These arrays will be populated in the same manner as the normal switch arrays outlined in item 2. This new technique insures that only those Appointments and/or Distributions which change will be processed.
EDB MAINTENANCE RE-ENGINEERING

6.0 ROUTINE MANAGER - PPRTNMGR

6.4 FUNCTIONAL DESCRIPTION

Previously, when a consistency edit routine was triggered (Appt 01-03, Dist 04-06) as a result of explicit maintenance on a single Appointment/Distribution data element, all Appointments and/or Distributions would also be edited. The only way to limit execution of the consistency edits (to only those Appointments or Distributions which change) would have been to assign unique consistency edit numbers to each Appointment and Distribution.

Error Message Handling

Each routine called by routine manager will place error messages in the Message Table Area (CPLNKMTA) passed through the linkage section of Routine Manager (PPRTNMGR). Messages are not written to the Error Message File (Processed by PPP100) until all routines for the Processing Group (PGT) have completed and control has returned to the Application Driver. It is the responsibility of the Application Driver to process the Message Table Area and write the corresponding messages to the Error Message File.

External Controls

All routines called by the Routine Manager will be defined and controlled through the Routine Definition Table. The Routine Definition Table (RTD) will control the processing for all EDB Consistency Edit, GTN Consistency Edit, Implied Maintenance and Periodic Maintenance routines.

The Processing Group Table (PGT) will define which routines (defined to the RTD) are defined to a particular Processing Group, and what sequence the Routines will be executed.

Campus specific edit and maintenance routines will be developed and maintained independently from those routines which are part of the base system (as it is defined by UCOP). Initially, Routine numbers 800-990 will be reserved for Campus use.
6.0 ROUTINE MANAGER - PPRTNMG

6.5 LINKAGE DEFINITION

LINKAGE SECTION: ROUTINE MANAGER INTERFACE (CPLNKRMI)

KRMI-ROUTINE-MANAGER-INTERFACE

- KRMI-EMPLOYEE-ID
  
  PIC X(09)

- KRMI-EFFECTIVE-DATE
  
  PIC X(08)

  The Effective Date is not currently NOT being used by PPRTNMG. It is being reserved for future use.

- KRMI-REQUESTOR
  
  PIC X(02)

  Represents the calling 'Application Driver'.

  88 KRMI-REQUESTED-BY-08 VALUE '08'
  88 KRMI-REQUESTED-BY-12 VALUE '12'
  88 KRMI-REQUESTED-BY-13 VALUE '13'
  88 KRMI-REQUESTED-BY-OL VALUE 'OL'

- KRMI-PROCESSING-GROUP
  
  PIC 9(03)

  Each time the Routine Manager is called, a Processing Group must be supplied in the interface to direct PPRTNMGR which Processing Group to execute. The Processing Group will identify the Routine calling sequence for the 'Application Checkpoint'.

- KRMI-ERROR-CODE
  
  PIC 9(02)

  The following error codes are passed back from Routine Manager.

  88 KRMI-RETURN-OK VALUE 00
  88 KRMI-RETURN-WITH-INFO VALUE 01
  88 KRMI-RETURN-WITH-ERROR VALUE 02
  88 KRMI-RETURN-WITH-SYSTEMS VALUE 99

- KRMI-APPT-POINTER
  
  PIC 9(02)

  Indicates to Routine Manager which Appointment is being processed. A value of zero indicates Appointment data is not being processed. This pointer is used to index into the Appointment / Distribution Switch Arrays for controlling Routine execution.
EDB MAINTENANCE RE-ENGINEERING

6.0 ROUTINE MANAGER - PPRTNMGR

6.5 LINKAGE DEFINITION

LINKAGE SECTION: ROUTINE MANAGER INTERFACE (CPLNKRMI)

KRMI-ROUTINE-MANAGER-INTERFACE (cont.)

- KRMI-DIST-POINTER  PIC 9(02)

Indicates to Routine Manager which Distribution is being processed. A value of zero indicates Distribution data is not being processed. This pointer is used to index into the Appointment / Distribution Switch Arrays for controlling Routine execution.
EDB MAINTENANCE RE-ENGINEERING

6.0 ROUTINE MANAGER - PPRTNMGR

6.6 MESSAGE HANDLING

LINKAGE SECTION: Error Message Table (CPLNKMTA)

KMTA-MESSAGE-TABLE-ARRAY OCCURS 100

- KMTA-FIELD-NUM PIC 9(04)
  Defines the Element Number in Error

- KMTA-LENGTH PIC 9(02)
  Defines the length of the data resident in KMTA-DATA-FIELD

- KMTA-ADA-OFFSET PIC 9(02)V9
  Appointment / Distribution Offset used in computing the Appointment / Distribution element number

- KMTA-GTN-OFFSET PIC 9(03)
  GTN Element Number in error

- KMTA-ROUTINE-TYPE PIC X(01)
  Routine Type of the Routine issuing the message

- KMTA-ROUTINE-NUM PIC 9(03)
  Routine Number of the Routine Issuing the message

- KMTA-ADA-SUBSCRIPTS-9 PIC 9(02)
  Appointment/Distribution Array Subscripts

- KMTA-SEVERITY PIC X(01)
  Message Table Severity

- KMTA-SET-CNTRL-NUM PIC X(06)
  Set Control Number of the Set Transaction in Error

- KMTA-GTN-BAL-TYPE PIC X(01)
  GTN/BRS Balance Type Number (1-8). Previously stored in the second occurrence of the ERROR-CONSISTENCY-EDIT Array on the Error Record.
EDB MAINTENANCE RE-ENGINEERING

6.0 ROUTINE MANAGER - PPRTNMGR

6.6 MESSAGE HANDLING

LINKAGE SECTION: Error Message Table (CPLNKMTA) - Cont.

- KMTA-ACAD-STAFF-APPT PIC X(01)
  Used in Routine Message which relate to Academic or Staff Appointments; A - Academic S - Staff

- KMTA-ACAD-STAFF-EMPL PIC X(01)
  Used in Routine Messages. The default is 'S' unless the Personnel Program Code or Title Type indicates Academic

- KMTA-SET-TRANS-SW PIC X(01)
  Indicates that the error is related to a Set Transaction

- KMTA-ERROR-ROUTE-FLAG PIC X(01)
  A value of "B" routes the error to the Benefits Error File.
EDB MAINTENANCE RE-ENGINEERING

7.0 SYSTEM MODIFICATIONS

7.1 DATA ELEMENT TABLE (DET)

The following is a summary of the proposed modifications to be made to the EDB Maintenance process to support the new design;

A. Add: Balance Type Indicator

   . 1 Character
   . Alpha Numeric

The Balance Type Indicator will be used to clear Hour, and Dollar balances during Periodic Maintenance (PPP130). This element on the DET will only be maintained for Data Elements 5100-5199 and 5500-5599.

   M-Monthly, Q-Quarterly, Y-Yearly, F-Fiscal, N-Not Cleared

B. Add: Table Edit Id

   . 2 Characters
   . Numeric

The Table Edit Id will contain the Table Edit Routine Number to be executed within USER06. Only one Table Edit Routine will be specified for a given data element. Currently, the Table Edit Routine Number is identified within the Variable Editing Criteria as T## and was NOT limited to 1 occurrence.

C. Add: Consistency Edit Routine Trigger Numbers

   . 3 Characters
   . Numeric
   . Maximum of 10 occurrences

Up to 10 Consistency Edit Routine Trigger Numbers can be assigned to a given data element. The Consistency Edit Routine Trigger Number will be expanded from two to three characters in length. Currently, the Consistency Edit Routine Numbers are identified within the Variable Editing Criteria as C##.

D. Add: Implied Maintenance Routine Trigger Numbers

   . 3 Characters
   . Numeric
   . Maximum of 30 occurrences
7.0 SYSTEM MODIFICATIONS

7.1 DATA ELEMENT TABLE (DET)

Up to 30 Implied Maintenance Routine Trigger Numbers can be assigned to a given data element. Currently this function does not exist. Implied Maintenance will now be triggered as a function of both Implicit and Explicit Maintenance. If an element is modified either through explicit transaction input or via other Implied Maintenance functions, the Implied Maintenance Routine Trigger assigned to the data element on the data element table will be set ON (i.e. Con-Edits).

E. Added : GTN Consistency Edit Routine Trigger Numbers

- 3 Characters
- Numeric
- Maximum 5 occurrences

Up to 5 GTN Consistency Edit Routine Trigger Numbers can be assigned to a given data element. The GTN Table has also been modified to include a field to identify a GTN Consistency Edit Routine Trigger Number. This new feature will allow both Data and GTN elements to be related for the purpose of Consistency Editing as a result of explicit or implicit maintenance. Only those elements being updated will now be edited, based on the assignments given on both the DET and GTN Tables. Previously, all edits were executed if a single GTN or BRS element was updated.

Only maintenance to the 'G' (deduction to take) or 'D' (declining) balances will be considered in determining the triggering of associated GTN Edits.

GTN Consistency Edit routines will be executed after all other Consistency Edits have completed. These triggers will allow Data Elements and Gross to Net Elements to be related for the purpose of Consistency Editing.

F. The following Elements were added to the DET Table to support Set Transaction processing. These elements were previously defined in the copy module CPWSXIDC.

- Set Trans Element Indicator
- Set Trans Required Element Indicator
- Set Trans Key Start Position
- Set Trans Message Routing Indicator
- Set Trans Message "NOT Payroll" Indicator
EDB MAINTENANCE RE-ENGINEERING

7.0 SYSTEM MODIFICATIONS

7.1 DATA ELEMENT TABLE (DET)

This modification will further limit the amount of source code modifications when adding future SET Transaction Definitions to the EDB Maintenance System.

G. The following DET Table Elements were removed;

- Internal Start Position
- Storage Mode
- History Flag

Currently, all data validation is being performed using the "Variable Editing Criteria" on the Data Element Table. This area represents 150 bytes of variable values and ranges. The area is searched based on "edit identifier" and data element length.

The valid "edit identifiers" are:

- V - Value
- R - Range
- T - Table Edit
- G - Consistency Edit

Edit identifiers 'V' and 'R' are followed by valid data values and ranges. In the case of edit identifiers 'T' and 'G' the identifiers are followed by a routine number. The presence of these routine numbers on the data element table, causes specific edit routines to be executed in USER06 (for Table Edits) and in USER08 (for consistency edits) when maintenance is entered against the associated data elements. Using the Data Element Table there is currently no way of relating GTN elements to Data Elements for the purpose of performing Consistency Edits. Implied maintenance which occurs in both USER08 and USER12 also has no external triggering mechanism.

In order to simplify processing logic within PPPVREDT in regards to searching the Variable Edit Criteria area on the DET, the (T)ABLE and (C)ONSISTENCY edit routine trigger numbers will be placed into separately defined data areas on the DET. In addition, two new areas will be defined on the DET to identify GTN and Implied Maintenance routine triggers. After the separation of DATE, TABLE, and CONSISTENCY edits values into dedicated areas, the resulting Variable Edit Criteria will only contain Value and Range edit criteria.
EDB MAINTENANCE RE-ENGINEERING

7.0 SYSTEM MODIFICATIONS

7.1 DATA ELEMENT TABLE (DET)

To accommodate the expanded data element table routine triggers, the EDB Maintenance Activity record will be modified to allow for additional trigger types and values. The current Activity Record allows for up to 5 occurrences of consistency edit routine triggers for a single data element. The new Activity Record will allow for a variable number of routine triggers.
7.2 GROSS-TO-NET TABLE (GTN)

The Gross to Net (GTN) Table will be modified to include a unique Consistency edit routine number for the EDB Maintenance process (referenced above). Currently, there exists a Consistency Edit Switch on the GTN Table which is utilized by both batch EDB Maintenance and the Payroll Batch Balance and Edit process. The new GTN consistency edit routine trigger number will be used exclusively by the EDB Maintenance Process.
7.0 SYSTEM MODIFICATIONS

7.3 ACTIVITY/ERROR RECORD LAYOUT

The EDB Maintenance Activity Record will be modified to accommodate the new design approach. The five consistency edit triggers will be deleted from the current Activity Record and replaced with a variable occurrence trigger area. This new trigger area will appear at the end of the Maintenance Activity Record, changing the record format from fixed to variable length. This variable trigger area will occur from zero to 60 times, with each occurrence consisting of both Trigger Type (Routine Type) and Trigger Number (Routine Number). The following is a list of valid Activity Record Trigger Types;

  .. 'C' - Consistency Edits,
  .. 'G' - GTN Edits,
  .. 'I' - Implied Maintenance

In addition to the trigger changes, the following is a list of other modifications which will be made to the Activity Record;

- Increase Effective Date to include Century.
- Add a field to identify the number of Routine Triggers present in the variable portion of the record.
- A GTN Balance Type indicator will be added to identify the balance type associated with a GTN and/or BRS element. In the case of the error record (CPWSXERR), the GTN Balance Type will be used instead of the 'ERROR-CONSISTENCY-EDITS (2)' to identify the balance type associated with the GTN/BRS element in error.
EDB MAINTENANCE RE-ENGINEERING

7.0 SYSTEM MODIFICATIONS

7.3 ACTIVITY/ERROR RECORD LAYOUT

The new format for the Maintenance Activity Record will be as follows. An identical structure will be maintained for the error records being passed to PPP100 (CPWSXERR);

The following Copy Members will need to be changed to support the new format:

CPOTXTRN CPFDVAHN CPFDXACF CPFDXAHN
CPWSXERR CPWSXOLD CPFDXERR CPFDXVLF

Copy Member CPOTXTRN is being used for this example;

05 TRAN-KEY19
  10 TRAN-KEY15
     15 TRAN-SS-NUM PIC X(9).
     15 TRAN-EFF-DATE PIC X(10).
  10 TRAN-FIELD-NUM.
     15 TRAN-SEGMENT PIC 9(2).
     15 TRAN-SER PIC 9(2).
  05 TRAN-COUNTER PIC S9(7) COMP.
  05 TRAN-SET-CNTRL-NUMX.
     10 TRAN-ACTION-SRT-KEY PIC X(1).
     10 TRAN-ACTION-KEY PIC X(2).
     10 FILLER PIC X(3).
  05 TRAN-ERROR-CODE PIC X(4).
  05 TRAN-SEVERITY PIC X(1).
  05 TRAN-BATCH-NO PIC 9(3).
  05 TRAN-ORIGIN PIC X(3).
  05 TRAN-START-POS PIC 9(3).
  05 TRAN-LENGTH PIC 9(2).
  05 TRAN-NO-TRIGGERS PIC 9(4) COMP.
  05 TRAN-GTN-BAL-TYPE PIC X(1).
  05 TRAN-DATA-FIELD.
     10 TRAN-DATA OCCURS 30 PIC X(1).
  05 TRAN-TRIGGER-DATA.
     10 TRAN-TRIGGERS OCCURS 0 TO 60
        DEPENDING ON TRAN-NO-TRIGGERS
        15 TRAN-TRIGGER-TYPE PIC X(1).
        15 TRAN-TRIGGER-NUM PIC 9(3).
EDB MAINTENANCE RE-ENGINEERING

7.0 SYSTEM MODIFICATIONS

7.4 PPP050 / PPPVREDT / USER06 / PPERRWRT

PPP050 will be modified to remove all references to Employee Key Change and Deletion processing. All Employee Key Change and Deletion processing will be placed into a dedicate stand-alone program (PPP040). PPP050 will be modified to reject any Key Change / Deletion transactions input (Card Type 'AA').

USER06 will be modified to access the new Data Element Table structure. The USER06 interface (CPWSXTEI) will be modified to pass a single Table edit routine rather than a 180 byte table edit area. Since only one Table edit will be defined per data element, there is no longer any need to allow for multiple table edit numbers.

PPPVREDT will be modified to accommodate the new Maintenance Activity Record structure (See "Modified Activity Record Layout", Page 13). All references to the GTN Consistency Edit Indicator along with the setting of Consistence Edit 17 will be removed. The new GTN Conedit Routine Number (obtained from the GTN table) will be accessed and placed into the variable trigger area of the Activity Record.

PPERRWRT will be modified to accomodate the new variable length Error Record.
7.0 SYSTEM MODIFICATIONS

7.5 PPP080 / PPP120

The Consistency Edit and Implied Maintenance Processes will be passed Variable Length Activity Records from PPPVREDT and USER08 respectively. PPP080 and PPP120 will require modification to process the Variable Length Records. In addition, the PPP080 and PPP120 "Post" Processes will require modification to build three internal trigger arrays. Currently only one "consistency edit" trigger array is being maintained. After modification, PPP080 and PPP120 will build three trigger arrays:

1. Consistency Edit Triggers (Occurs 999)
2. GTN Consistency Edit Triggers (Occurs 999)
3. Implied Maintenance Triggers (Occurs 999)

The Variable portion of the Activity Record will contain up to 60 occurrences of Trigger Data. The Trigger Data will consist of Trigger Type, and Trigger Number. The valid Trigger Types will be 'C' for Consistency Edits, 'G' for GTN Consistency Edits, and 'I' for Implied Maintenance Triggers. The Trigger Number can be any number between 001 and 999. These Triggers will be placed on the Activity Record by PPPVREDT based on the values resident on the Data Element (DET), and Gross to Net (GTN) Tables.

PPP080/PPP120 will define all three trigger arrays as EXTERNAL entries within Working Storage. These arrays will be passed to USER08/USER12 for use by the Routine Manager (PPRTMGR).

Two new tables will be established to accommodate "Routine Manager" processing (See: Design Approach). The Processing Group Table (PGT) will be developed to identify all processing groups defined to the EDB Maintenance process. The Routine Definition Table (RTD) will be developed to define the system attributes of all routines referenced by the Processing Group Table definitions.
EDB MAINTENANCE RE-ENGINEERING

7.0 SYSTEM MODIFICATIONS

7.6 USER08/USER12

Application specific code will be removed and replaced with calls to Routine Manager (Application Checkpoints). Logic which is removed will be modularized by function, to be shared by multiple processes when applicable.

All logic which sets the XDEC-ARRAY (Data Element Change Array) within EDB Maintenance will be changed to utilize the AUDITING-RESPONSIBILITIES function. This function requires that the DL-FIELD variable be set with the element number being updated. Currently, there are many locations within the USER08/USER12 logic where a value of '1' is being explicitly moved to the element occurrence.

The AUDITING-RESPONSIBILITIES process (CPPDXDEC) will be modified to automatically update the Execution Switch Arrays when the XDEC-ARRAY is being updated. This new function will provide dynamic routine trigger setting when data elements are implicitly maintained. Currently, the EDB Maintenance process has "hard coded" statements within the programs to move edit routine values into the appropriate occurrence within the 'CONSISTENCY-EDITS' Array when implicit routine execution is desired.

To support the dynamic trigger setting function, the data element table will need to be loaded for the purpose of obtaining Routine Trigger information by Data Element.

During the Initialization process within PPP080 and PPP120, all data elements which have Routine Triggers assigned on the Data Element Table, will be loaded into Working Storage.

Two New Working Storage Arrays will be setup for the purpose of loading Data Element Routine Triggers. The first array, the Data Element Pointer Array (indexed by Data Element), will be 9999 occurrences, with each occurrence consisting of a pointer to the first Routine Trigger Definition within the Trigger Definition Array.

Each occurrence within the Data Element Pointer Array will contain a pointer to the first Routine Trigger definition entry for that element in the Trigger Definition Array. If the pointer value within the Data Element Pointer Array is zero, this will indicate there are no trigger values established on the DET for that Data Element (indexed by Data Element).
The example below illustrates the relationship between the two arrays. The DET Trigger Array will be sequentially loaded only with those entries which contain trigger definitions. For each trigger definition on the DET the Routine Trigger Definition Array will be loaded with the Data Element Number, Routine Trigger Type, and Routine Trigger Number. For each Data Element, the index pointer to the first Routine Trigger definition associated with that element (if defined) will be placed into the Data Element Pointer Array, indexed by Data Element.

<table>
<thead>
<tr>
<th>ELEM SUBSCR</th>
<th>PNTR</th>
<th>DET TRIGGER DFNS (SEQ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(0204)</td>
<td>27</td>
<td>(27) 0204 C101</td>
</tr>
<tr>
<td>(0205)</td>
<td>0</td>
<td>(28) 0204 C102</td>
</tr>
<tr>
<td>(0206)</td>
<td>0</td>
<td>(29) 0208 C301</td>
</tr>
<tr>
<td>(0207)</td>
<td>0</td>
<td>(30) 0208 G283</td>
</tr>
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<td>(0208)</td>
<td>29</td>
<td>(31) 0209 C305</td>
</tr>
<tr>
<td>(0209)</td>
<td>31</td>
<td>(32) 0209 I422</td>
</tr>
<tr>
<td>(0210)</td>
<td>0</td>
<td>(33) 0220 C102</td>
</tr>
<tr>
<td>(0211)</td>
<td>0</td>
<td>(34) 0220 C103</td>
</tr>
<tr>
<td>(0212)</td>
<td>0</td>
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</tr>
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<td>(38) 0236 C109</td>
</tr>
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<td>(0216)</td>
<td>0</td>
<td>(39) 0236 C110</td>
</tr>
</tbody>
</table>

By loading the Routine Trigger Definitions in a linear format rather than a two dimensional format (Element Number, Routine Trigger), substantially less space will be required to store the Data Element Trigger information. The Data Element Pointer Array is required to optimize run time access of the trigger information by data element.

During execution of the AUDITING-RESPONSIBILITIES process, the data element number supplied within DL-FIELD will be used to index into the Data Element Pointer Array. A pointer value of zero will indicate to AUDITING-RESPONSIBILITIES that there is no dynamic trigger setting to be performed. If a non-zero pointer value is present, the Routine Trigger Definition Array will be accessed using the data element pointer. The Routine Trigger Definition Array will be processed sequentially starting with the first entry for the data element (first occurrence pointed to by the DET Pointer Array) until the data element changes. For each pointer entry, the
corresponding Trigger Switch entry will be set ON using the Routine Number as the index.

Periodic Maintenance will be removed and replaced with a stand-alone process independent of the existing EDB Maintenance process.
EDB MAINTENANCE RE-ENGINEERING

7.0 SYSTEM MODIFICATIONS

7.7 USER08 APPLICATION CHECKPOINTS

As logic is removed from USER08 for each "Application Checkpoint", the logic will be replaced with calls to Routine Manager (PPRTNMGR). The following is a list of the defined "Application Checkpoints" within USER08;

1. Processing Group 001 - Personnel Actions Derivation
   ACTION-DERIVATION-3200

2. Processing Group 002 - Action Code Consistence Edits
   PERSONNEL-ACTIONS-4000

3. Processing Group 003 - Implied Maintenance
   IMPLIED-MAINT-5000

4. Processing Group 004 - Job Appointment Consistency Edits
   APPT-CON-EDITS-6150

5. Processing Group 005 - Appointment Summary Edits
   LAST-PASS-6197

   DISTR-CON-EDITS-6155

7. Processing Group 007 - Distribution Summary Edits

8. Processing Group 008 - Miscellaneous Consistency Edits
   CONSISTENCY-EDITS-6000

9. Processing Group 010 - Set Transaction Edits
   SET-TRANS-EDITS-6600

10. Processing Group 011 - Minimum Data Edits
    MINIMUM-DATA-EDITS-7000

11. Processing Group 012 - Job Group Id Maintenance
    DERIVE-JGI-1000000

12. Processing Group 020 - Executive Life Maintenance
    EXEC-LIFE-MAINT-8930

13. Processing Group 099 - GTN Consistency Edits
    BUT-CHECK-DED-SEG-7790
EDB MAINTENANCE RE-ENGINEERING

7.0 SYSTEM MODIFICATIONS

7.8 USER12 APPLICATION CHECKPOINTS

As logic is removed from USER12 for each "Application Checkpoint", the logic will be replaced with calls to Routine Manager (PPRTNMGR). The following is a list of the defined "Application Checkpoints" within USER12:

1. Processing Group 001 - Regular Maintenance
   REGULAR-PERIODC-MAINT-2010

2. Processing Group 003 - Job Appointment Level
   IMPLIED-MAINT-CON-EDITS-5500

3. Processing Group 004 - Reserved: Appointment Summaries

4. Processing Group 005 - Distribution Level
   IMPLIED-MAINT-CON-EDITS-5500

5. Processing Group 006 - Distribution Summaries
   IMPLIED-MAINT-CON-EDITS-5500

   IMPLIED-MAINT-CON-EDITS-5500

   INIT-BELI-QUALIFIERS-6530
   EDIT12-BELI-STAT-QUAL-6630
   ACTION-DERIVATION-5650

   IMPLIED-MAINT-CON-EXIT-5599

   IMPLIED-MAINTENANCE-5500
   - Costing Action Rate Change
   COST-ACTION-5645

    SET-TRANS-MAINTENANCE-7700
    - Minimum Record Edit
    MINIMUM-RECORD-EDIT-8000

11. Processing Group 012 - Maintenance Always Performed
    PERIODIC-MAINT-AFTER-6500
## 8.0 ROUTINE MANAGER CONTROL DEFINITIONS

### 8.1 PROCESSING GROUP DEFINITIONS - USER08

<table>
<thead>
<tr>
<th>Pgm Id</th>
<th>Proc Group</th>
<th>Proc Seq</th>
<th>Routine Typ Num</th>
<th>Title on RTD / Routine Trigger</th>
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<tbody>
<tr>
<td>08</td>
<td>001</td>
<td>0010</td>
<td>I 300</td>
<td>Action Code Derivation</td>
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<td></td>
<td>Trigger: Unconditional</td>
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<tr>
<td>002</td>
<td>0010</td>
<td>A 001</td>
<td></td>
<td>Initial Employment Action</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Trigger: Action 01</td>
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<td>A 002</td>
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<td>Prior Service Action</td>
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<td>Leave Action</td>
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<td>Trigger: Action 07,08</td>
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<td>0080</td>
<td>A 009</td>
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<td>Return From Leave Action</td>
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<td></td>
<td>Trigger: Action 09</td>
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<td>0210</td>
<td>A 021</td>
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<td>Inter-Campus Action/Transfer</td>
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<td>Trigger: Actions 21, 35, 36, 51</td>
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<td>003</td>
<td>0010</td>
<td>I 202</td>
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<tr>
<td>0020</td>
<td>I 203</td>
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<td>Appt WOS/Prev Appt WOS Maint.</td>
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<td>004</td>
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<td>0040</td>
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<td>Appt Summary Edits</td>
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<td>Trigger: ConEdit 100</td>
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## EDB MAINTENANCE RE-ENGINEERING

### 8.0 ROUTINE MANAGER CONTROL DEFINITIONS

#### 8.1 PROCESSING GROUP DEFINITIONS - USER08

<table>
<thead>
<tr>
<th>Pgm Id</th>
<th>Proc Group</th>
<th>Proc Seq</th>
<th>Proc Typ</th>
<th>Num</th>
<th>Title on RTD / Routine Trigger</th>
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<td>08</td>
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<td>C</td>
<td>051</td>
<td>Distribution Basic</td>
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<td></td>
<td>Trigger: ConEdit 051</td>
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<td></td>
<td>0020</td>
<td>C</td>
<td>052</td>
<td>Distribution Desc of Service</td>
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<td>0030</td>
<td>C</td>
<td>053</td>
<td>Distribution Account/Fund</td>
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<td>0040</td>
<td>C</td>
<td>054</td>
<td>Appointment-Old Work Study Pgm</td>
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<td>007</td>
<td>0040</td>
<td>C</td>
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<td>Appt/Distribution FTE Percent</td>
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#### 8.0 ROUTINE MANAGER CONTROL DEFINITIONS

#### 8.1 PROCESSING GROUP DEFINITIONS - USER08

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Trigger: ConEdit 126

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EDB MAINTENANCE RE-ENGINEERING

8.0 ROUTINE MANAGER CONTROL DEFINITIONS

8.2 PROCESSING GROUP DEFINITIONS - USER12

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## 8.0 ROUTINE MANAGER CONTROL DEFINITIONS

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## EDB MAINTENANCE RE-ENGINEERING

### 8.0 ROUTINE MANAGER CONTROL DEFINITIONS

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### EDB MAINTENANCE RE-ENGINEERING

#### 8.0 ROUTINE MANAGER CONTROL DEFINITIONS

#### 8.2 PROCESSING GROUP DEFINITIONS - USER12

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8.0 ROUTINE MANAGER CONTROL DEFINITIONS

8.3 ROUTINE (RTD) TABLE DEFINITIONS - ACTION EDITS

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### 8.0 ROUTINE MANAGER CONTROL DEFINITIONS

#### 8.3 ROUTINE (RTD) TABLE DEFINITIONS - CONSISTENCY EDITS

**JOB APPOINTMENT LEVEL**

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## EDB MAINTENANCE RE-ENGINEERING

### 8.0 ROUTINE MANAGER CONTROL DEFINITIONS

#### 8.3 ROUTINE (RTD) TABLE DEFINITIONS - IMPLIED MAINTENANCE JOB APPOINTMENT LEVEL

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## EDB MAINTENANCE RE-ENGINEERING

### 8.0 ROUTINE MANAGER CONTROL DEFINITIONS

#### 8.3 ROUTINE (RTD) TABLE DEFINITIONS – CONSISTENCY EDITS

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8.3 ROUTINE (RTD) TABLE DEFINITIONS - IMPLIED MAINTENANCE APPT DISTRIBUTION LEVEL

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#### 8.0 ROUTINE MANAGER CONTROL DEFINITIONS

#### 8.3 ROUTINE (RTD) TABLE DEFINITIONS - CONSISTENCY EDITS

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### 8.0 ROUTINE MANAGER CONTROL DEFINITIONS

### 8.3 ROUTINE (RTD) TABLE DEFINITIONS - CONSISTENCY EDITS

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### 8.0 ROUTINE MANAGER CONTROL DEFINITIONS

#### 8.3 ROUTINE (RTD) TABLE DEFINITIONS - CONSISTENCY EDITS

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- **EFF:** 01/01/1992
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### 8.0 ROUTINE MANAGER CONTROL DEFINITIONS

#### 8.3 ROUTINE (RTD) TABLE DEFINITIONS - IMPLIED MAINTENANCE

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### ROUTINE (RTD) TABLE DEFINITIONS - CONSISTENCY EDITS

#### GROSS-TO-NET (GTN)

<table>
<thead>
<tr>
<th>ROUTINE</th>
<th>NUM</th>
<th>CALLED MODULE</th>
<th>EXECUTION START/STOP</th>
<th>DESCRIPTION</th>
<th>EFF:</th>
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<td>PPEG079</td>
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<td>283</td>
<td>PPEG286</td>
<td>01/01/1992 99/99/9999</td>
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<td>286</td>
<td>PPEG286</td>
<td>01/01/1992 99/99/9999</td>
<td>Bond Deductions</td>
<td>01/01/1992</td>
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</tbody>
</table>
EDB MAINTENANCE RE-ENGINEERING

9.0 ROUTINE DEFINITIONS - ACTION MAINTENANCE

9.1 ROUTINE A001 - PERSONNEL ACTION 01
INITIAL EMPLOYMENT

Routine Type: A
Routine No: 001
Module: PPEA001
Description: PERSONNEL ACTION 01 MAINTENANCE

Consistency Edits

08-240/12-329 FICA Eligibility Code (E0120) is equal to 'M', AND
Retirement Systems Code (E0122) is equal to 'U' or 'B'

08-302/12-335 BELI-IND (E360) is equal to '?' or space and Not a
New Hire

08-190/12-190 Sex Code (E0108) is equal to spaces

08-191/12-191 Ethnic Id (E0112) is equal to spaces

Implied Maintenance

- Set RECHECK-EMPLOYMENT-STATUS to True

- Set MAXFED-EXEMPT (E0320) to 999
- Set STATE-TAX-MAXEXEMPT (E0320) to 999
- Set LIFE-UCPAIDAMT (E0330) to spaces
- Set LIFE-UCPD-EFFDATE (E0451) to ISO-ZERO-DATE
- Set EXEC-LIFEFLAG (E0356) to zero
- Set PRIOR-PAY-MONTH (E0263) to 'Y'

- IF HOME-DEPT is equal to spaces
  . Rederive HOME-DEPT from Appt

- IF FEDTAX-MARITAL is equal to spaces
  . Set FEDTAX-MARITAL (E0127) to 'S'

- IF STATE-TAX-MARITAL is equal to spaces
  . Set STATE-TAX-MARITAL (E0130) to 'S'
EDB MAINTENANCE RE-ENGINEERING

9.0 ROUTINE DEFINITIONS - ACTION MAINTENANCE

9.2 ROUTINE A002 - PERSONNEL ACTION 02 PRIOR SERVICE REHIRE

Routine Type: A
Routine No: 002
Module: PPEA002
Description: PERSONNEL ACTION 02 MAINTENANCE

Consistency Edits

08-017 Hire Date (E0113) NOT greater than Separation Date

08-302/12-335 BELI-IND (E360) is equal to '?' or space and Not a New Hire

08-190/12-190 Sex Code (E0108) is equal to spaces

08-191/12-191 Ethnic Id (E0112) is equal to spaces

12-329 FICA Eligibility Code (E0120) is equal to 'M', AND Retirement Systems Code (E0122) is equal to 'U' or 'B'

Implied Maintenance

o Set RECHECK-EMPLOYMENT-STATUS to True

o IF HEALTH-OPT-OUT (E0377) has not changed
  . Set HEALTH-OPT-OUT (E0377) to spaces

o IF DENTAL-OPT-OUT (E0378) has not changed
  . Set DENTAL-OPT-OUT (E0378) to spaces

o IF VISION-OPT-OUT (E0379) has not changed
  . Set VISION-OPT-OUT (E0379) to spaces

o IF NOT New Hire Action (XACN-ACTION-FLAG (1,1) = OFF) AND BELI-IND (E0360) is equal to '?' or space
  . Set BELI-IND (E0360) to '?'
  . Set BELI-NUMERIC-VALUE to 5
9.0 ROUTINE DEFINITIONS - ACTION MAINTENANCE

9.3 ROUTINE A006 - PERSONNEL ACTION 06 SEPARATIONS

Routine Type: A
Routine No: 006
Module: PPEA006
Description: PERSONNEL ACTION 06 EDIT

Consistency Edits

08-905 Suspended GTN Balance (6nnn) is greater than zero
08-908 Suspended GTN Balance (6000) is less than zero
08-906 Separation Date (E0140) is equal to zero
08-907 Separation Reason (E0141) is equal to zero

Implied Maintenance

Set RECHECK-EMPLOYMENT-STATUS to True

IF Separation Date (E0140) is less than the First of the Month Date (SCR)

Set BELI-IND (E0360) to '?'
Set BELI-NUMERIC-VALUE to 5
EDB MAINTENANCE RE-ENGINEERING

9.0 ROUTINE DEFINITIONS - ACTION MAINTENANCE

9.4 ROUTINE A007 - PERSONNEL ACTION 07/08 ON LEAVE

Routine Type: A
Routine No: 007
Module: PPEA007
Description: PERSONNEL ACTION 07/08

Consistency Edits

08-009 Leave of Absence Begin Date (E0137) is equal to zero

08-010 Leave of Absence Return Date (E0138) is equal to zero

08-011 Leave of Absence Begin Date (E0137) is NOT less than the Leave of Absence Return Date (E0138)

08-013 Triggering Action Code is 07 and Leave of Absence Type Code is an invalid "Leave with Pay" value

08-014 Triggering Action Code is 08 and Leave of Absence Type Code is an invalid "Leave without Pay" value

Implied Maintenance

- Set RECHECK-EMPLOYMENT-STATUS to True
- IF Action-07 ON
  - Set LOA-STATUS-IND to 'P'
- IF Action-08 ON
  - Set LOA-STATUS-IND to 'N'
EDB MAINTENANCE RE-ENGINEERING

9.0 ROUTINE DEFINITIONS - ACTION MAINTENANCE

9.5 ROUTINE A009 - PERSONNEL ACTION 09
RETURN FROM LEAVE

Routine Type: A
Routine No: 009
Module: PPEA009
Description: PERSONNEL ACTION 09

Consistency Edits

08-015 Leave of Absence Return Date (E0138) was NOT updated

Implied Maintenance

- Set RECHECK-EMPLOYMENT-STATUS to True
EDB MAINTENANCE RE-ENGINEERING

9.0 ROUTINE DEFINITIONS - ACTION MAINTENANCE

9.6 ROUTINE A021 - PERSONNEL ACTION 21, 35, 36, 51 TRANSFERS

Routine Type: A
Routine No: 021
Module: PPEA0210
Description: PERSONNEL ACTION 21 EDIT

08-016 Triggering Personnel Action is not accompanied by Personnel Action 01, 02 or 06, or Appointment Action 10, 11, 12, 13, or 14.

NOTE:
Message Text needs to be revised to reflect a more generic message with referenced text indicating the nature of the triggering Action.
EDB MAINTENANCE RE-ENGINEERING

10.0 ROUTINE DEFINITIONS - JOB APPT LEVEL MAINTENANCE

10.1 ROUTINE C001 - APPOINTMENT BASIC CONSISTENCY EDITS

Routine Type: C
Routine No: 001
Module: PPEC001
Description: APPOINTMENT BASIC CONSISTENCY EDITS

Data Elements: 0113 2x02 2x03 2x04 2x06 2x13 2x14 2x15 2x16 2x17 2x18 2x20 2x28

Called Mods: PPTTLUTL - Job Title Utility

BASIC APPOINTMENT CONSISTENCY EDITS

08-022 Appointment End Date (E2003) is greater than the VISA End Date, AND the VISA End Date is greater than zero, OR there is a BAD Appointment End Date.
(TEST-VISA-ENDDATE-77995)

08-023 Appointment Begin Date (E2002) is 000000

08-024 Appointment End Date (E2003) is 000000

08-025 Title code (E2006) is spaces

08-069 Appointment Duration of Employments (E2004) is equal to 'N', 'A', 'S', 'V', or spaces and the Appointment End Date (E2003) is equal to '9999-12-31 (Indefinite).

08-250 Appointment Type Code (E2020) is blank and Personnel Program Code (E2007) is not blank

08-251 Personnel Program Code (E2007) is blank

SALARIED APPOINTMENT CONSISTENCY EDITS

08-019 Appointment Without Salary Indicator (E2028) is 'N' and Fixed/Variable Code (E2013) is blank

08-021 Appointment Without Salary Indicator (E2028) is 'N' and Appointment Rate Code (E2015) is not 'A', 'H' or 'B'
EDB MAINTENANCE RE-ENGINEERING

10.0 ROUTINE DEFINITIONS - JOB APPT LEVEL MAINTENANCE

10.1 ROUTINE C001 - APPOINTMENT BASIC CONSISTENCY EDITS

SALARIED APPOINTMENT CONSISTENCY EDITS (Cont.)

08-026 Appointment Without Salary Indicator (E2028) is 'N' and Appointment Pay Schedule Code (E2016) is not 'SM', 'MO', 'MA', or 'BW'

08-027 Appointment Without Salary Indicator (E2028) is 'N' and Appointment Time Code (E2017) is not 'A', 'N', 'E', 'W', 'P', 'S', 'C', 'T', or 'L'

08-028 Appointment Without Salary Indicator (E2028) is 'N' and Leave Accrual Code (E2018) is not 'A', 'B', 'C', 'D', 'E', 'F', or '

08-028 Appointment Without Salary Indicator (E2028) is 'N' and Leave Accrual Code (E2018) is not 'A', 'B', 'C', 'D', 'E', 'F', or '

WITHOUT SALARY APPOINTMENT CONSISTENCY EDITS

08-030 Appointment Without Salary Indicator (E2028) is 'Y' and Appointment Pay Rate (E2014) is not zero

08-031 Appointment Without Salary Indicator (E2028) is 'Y' and Appointment Rate Code (E2015) is not blank

08-032 Appointment Without Salary Indicator (E2028) is 'Y' and Leave Accrual Code (E2018) is not 'N'

MISCELLANEOUS APPOINTMENT CONSISTENCY EDITS

08-056 Appointment Begin Date (E2002) is later than Appointment End Date (E2003)

08-058 Appointment Begin Date (E2002) is earlier than Date of Employment (E0113)

08-062 Appointment End Date (E2003) is not equal to 999999 and Duration of Employment Code (E2004) is no 'N', 'S', 'V', 'A' or blank
10.0 ROUTINE DEFINITIONS - JOB APPT LEVEL MAINTENANCE

10.1 ROUTINE C001 - APPOINTMENT BASIC CONSISTENCY EDITS

MISCELLANEOUS APPOINTMENT CONSISTENCY EDITS (Cont.)

08-069 Duration of Employment Code (E2004) is 'N', 'S', 'V', 'A', or blank and Appointment End Date (E2003) is equal to 999999

08-073 Time Reporting code (E2017) is 'T', 'L', or 'E' and Fixed/Variable Code (E2013) is 'V'
Routine Type: I
Routine No: 001
Module: PPEI001
Description: MINIMUM APPOINTMENT MAINTENANCE
Reference: MINIMUM-APPOINTMENT-CHCK-8100

FOR EACH APPOINTMENT
- IF APPT-NO = zero
  . Issue Message M12060
- IF APPT-BEGN-DATE (E2002) = zeros
  . Issue Message M12060 (M08023)
- IF APPT-END-DATE (E2003) = zero
  . Issue Message M12060 (M08024)
- IF APPT-TITLE-CODE (E2006) = zero
  . Issue Message M12060 (M08025)
- IF APPT-WOS = 'Y'
  -- IF APPT-RATE-CODE (E2015) NOT = spaces
     .. Issue Message M12070
  -- IF LEAVE-OPTION (Sys Param) NOT = ZERO
     --- IF APPT-LEAVE-ACCRUE-CODE (E2018) NOT = 'N'
        ... Set APPT-LEAVE-ACCRUE-CODE (E2018) to 'N'
- ELSE
  -- IF APPT-FIXED-VAR (E2013) = SPACE
     .. Issue Message M12060
10.2 ROUTINE I001 - MINIMUM APPOINTMENT IMPLIED MAINTENANCE

-- IF APPT-RATE-CODE (E2015) = SPACE
   .. Issue Message M12060

-- IF APPT-PAY-SCHED (E2016) = SPACES
   .. Issue Message M12060

-- IF APPT-TIME-REPT-CODE (E2017) = SPACES
   .. Set APPT-TIME-REPT-CODE (E2017) to 'A'

-- IF LEAVE-OPTION (Sys Param) NOT = ZERO

--- IF APPT-LEAVE-CODE (E2018) = SPACE
   ... Set APPT-LEAVE-CODE (E2018) to 'N'
EDB MAINTENANCE RE-ENGINEERING

10.0 ROUTINE DEFINITIONS - JOB APPT LEVEL MAINTENANCE

10.3 ROUTINE C002 - APPOINTMENT TITLE CODE CONSISTENCY EDITS

Routine Type: C
Routine No: 002
Module: PPEC002
Description: APPOINTMENT TITLE CODE

Data Elements: 2x04 2x05 2x06 2x07 2x08 2x10 2x11 2x20

Called Mods: PPTTLUTL - Job Title Utility

08-045 Title Code (E2006) not found on Title Code Table
08-046 Title Code (E2006) matches to Title Code Table entry which has a status code of 'I' (inactive title)
08-050 Title Type for Title Code (E2005) is equal to 'A' and Appointment Basis Code (E2010) is equal to zero
08-051 Title Type for Title Code (E2005) is equal to 'A' and Paid Over Code (E2011) is equal to zero
08-053 Title Type for Title Code (E2005) is equal to 'A' and Appointment Basis Code (E2010) is greater than Paid Over Code (E2011)
08-055 Title Type for Title Code (E2005) is not equal to 'A' and Appointment Basis Code (E2010) is not equal to zero
08-075 Title Type for Title Code (E2005) is not equal to 'A' and Paid Over Code (E2011) is not equal to zero
08-077 Title Type for Title Code (E2005) is not equal to 'A' and Duration of Employment Code (E2004) is 'T' or 'N'
08-221 Title Type of Title code Table is blank for the Title Code (E2006)
08-251 Personnel Program Code (E2007) is blank or Personnel Program Code is not equal to 'E', 'M', 'P', 'S', or 'A'
10.0 ROUTINE DEFINITIONS - JOB APPT LEVEL MAINTENANCE

10.3 ROUTINE C002 - APPOINTMENT TITLE CODE CONSISTENCY EDITS

08-253 Personnel Program Code (E2007) is not equal to Title Type on Title Code Table

08-255 Invalid combination of Personnel Program Code (E2007) and Appointment Type Code (E2020) values

08-256 Title Type for Title Code (E2006) is 'A' and Academic Pay Period Code (Title Code Table) is equal to '1' and Paid Over Code (E2011) is not equal to '9',

08-718 Personnel Program Code (E2007) is 'S' or 'A' and Salary Grade (E2008) is not blank

08-719 Personnel Program Code (E2007) is equal to 'P' and the new value entered for Salary Grade (E2008) is not equal to '1', '2', '3', '4', '5', '6', or '7'

08-720 Personnel Program Code (E2007) is equal to 'E' and Salary Grade (E2008) is not equal to 'A', 'B', 'C', 'D', 'E', or 'X'

OR

Personnel Program code (E2007) is equal to 'M' and Salary Grade (E2008) is not equal to '0', '1', '2', '3', '4', '5' or '6'
Implied Maintenance Routine 002 previously processed all Appointments at once. For each Appointment, the Title Code Table was accessed to obtain title code information to perform implied maintenance. Instead of repetitively processing all appointments within each routine, the processing sequence has been changed to process all routines for each Appointment. This significantly reduces the number of passes through the appointments. In addition, this new processing sequence for USER12 will now mirror that of USER08.

Instead of obtaining the Title Code Control Record within the Implied Maintenance Routine, the Control Record will be obtained in the Implied Maintenance Driver (USER12) and passed to the Title Code Implied Maintenance Routine (PPEI102). If the Control Record is not found, the error condition will be handled by the Driver (USER12). The Driver will then set the Title Code Status Switch to reflect the status of the fetch operation. Implied Maintenance Routine 002 will then utilize this switch to determine the direction of execution.

This routine will be called for each Appointment that indicates a change on the XDEC array for the corresponding Data Element.

```
- Set CHECK-EXEC-LIFE-ELIG-FLAG TO 'Y'

- IF PERSONNEL-PGM-ACADEMIC
  . SET MSSG-ACAD-STAFF-APPT TO 'A'
  ELSE
  . SET MSSG-ACAD-STAFF-APPT TO 'S'

- IF Title Code NOT Found
  .. Issue Message M12850 (M08221)

  -- IF PERSONNEL-PGM (APPT-PNTR, 1) NOT = Executive, MAP, APS, Staff, and Academic
  .. Set PERSONNEL-PGM (APPT-PNTR, 1) TO Spaces
  .. Issue Message M12215 (M08251)
```
10.4 ROUTINE I002 - APPOINTMENT TITLE CODE IMPLIED MAINTENANCE

- IF Title Code NOT Found (Cont.)
  -- IF APPT-TYPE NOT = Contract, Career, Casual, Restrict, Academic, and Per-Diem
     .. Set APPT-TYPE (APPT-PNTR, 1) TO Spaces
     .. Issue Message M12213 (M08250)
  -- IF PERSONNEL-PGM = Executive, or MAP
     --- IF JOB-GRADE (E2008) has been updated, AND
        ---- IF the PERSONNEL-PGM = MAP and JOB-GRADE
             is qual to a VALID-MAP-GRADE
             OR
             PERSONNEL-PGM = EXECUTIVE and JOB-GRADE =
             a VALID-EXEC-GRADE
             .... CONTINUE
     ---- ELSE
     .... Issue Message M12920 (M08720)

- ELSE IF TITLE-CODE FOUND
  -- IF XTTL-TITLE-CODE ACADEMIC
     .. Set MSSG-ACAD-STAFF-APPT TO 'A'
  --- IF XTTL-PAID-OVER on TITLE TABLE = '1' AND
      APPT-PAID-OVER (APPT-PNTR, 1) NOT = 09
     ... Issue Message M12256 (M08256)
  -- IF PERSONNEL-PGM (E2007) NOT equal to XTTL-TITLE-TYPE on the TITLE CODE TABLE
     .. Set PERSONNEL-PGM (E2007) TO
        XTTL-TITLE-TYPE
     .. Issue Message M12214
10.4 ROUTINE I002    - APPOINTMENT TITLE CODE
                      IMPLIED MAINTENANCE

- ELSE IF TITLE-CODE FOUND (Cont.)

-- IF PERSONNEL-PGM (E2007) is ACADEMIC AND
     APPT-TYPE (E2020) is NOT ACADEMIC

     .. Set APPT-TYPE (E2020) to '5'

-- IF
     PERSONNEL-PGM = EXECUTIVE AND
     APPT-TYPE = CAREER

     OR
     PERSONNEL-PGM = ACADEMIC
     APPT-TYPE = ACADEMIC

     OR
     PERSONNEL-PGM = MAP
     APPT-TYPE = CONTRACT
     OR CAREER
     OR CASUAL

     OR
     PERSONNEL-PGM = APS
     APPT-TYPE = CONTRACT
     OR CAREER
     OR CASUAL
     OR RESTRICT

     OR
     PERSONNEL-PGM = STAFF
     APPT-TYPE = CARRER
     OR CASUAL
     OR PER-DIEM
     OR RESTRICT

     .. CONTINUE

-- ELSE

--- IF APPT-TYPE (E2020) NOT = Contract, Career, Casual, Restrict, Academic, and Per-
     Diem

     ... Set APPT-TYPE (E2020) TO Spaces

     ... Issue Message M12213

--- IF APPT-TYPE (E2020) NOT = SPACES

     ... Issue Message M12216
- ELSE IF TITLE-CODE FOUND (Cont.)

-- IF XTTL-TITLE-CODE = EXECUTIVE or MAP

--- IF APPT GRADE (E2008) has been changed

---- IF the PERSONNEL-PGM = MAP and JOB-GRADE is qual to a VALID-MAP GRADE
or
PERSONNEL-PGM = EXECUTIVE and JOB-GRADE = a VALID-EXEC-GRADE

... CONTINUE

---- ELSE

.... Issue Message M12920

-- ELSE IF XTTL-TITLE-CODE is equal to AP

.. Evaluate bytes 1,2, and 3 in sequence for Title Code Table element XTTL-STEPS GRADE

.. Move the first valid GRADE-BYTE (values 1 thru 7 to WS-VALID GRADE

-- IF WS-VALID GRADE NOT = APPT GRADE (E2008)

--- IF the APPT GRADE (E2008) was NOT explicitly updated

... Set APPT GRADE (E2008) to the WS-VALID GRADE which was derived from the TITLE CODE TABLE

--- ELSE the APPT GRADE WAS explicitly updated and it does not match the GRADE on the TITLE CODE TABLE, SO

... Issue Message M12921

... Set APPT GRADE (E2008) to the WS-VALID GRADE which was derived from the TITLE CODE TABLE
10.4 ROUTINE I002 — APPOINTMENT TITLE CODE IMPLIED MAINTENANCE

- ELSE IF TITLE-CODE FOUND (Cont.)
  .. Set MESSG-ACAD-STAFF-APPT to spaces
  -- IF APPT-TITLE-CODE (E2006) has been updated
    .. Set APPT-RETIREMENT-CODE (E2021) TO XTTL-RETIRE-CODE-2
    --- IF APPT-TITLE-UNIT-CODE (E2029) NOT = XTTL-PERB1-CODE
        ... Set APPT-TITLE-UNIT-CODE (E2029) TO XTTL-PERB1-CODE
    --- IF APPT-SPECIAL-HANDLING-CODE (E2030) NOT = XTTL-SPECIAL-HANDLING-CODE
        ... Set APPT-SPECIAL-HANDLING-CODE (E2030) TO XTTL-SPECIAL-HANDLING-CODE
10.0 ROUTINE DEFINITIONS – JOB APPT LEVEL MAINTENANCE

10.5 ROUTINE I003 – MISC APPOINTMENT LEVEL IMPLIED MAINTENANCE

Routine Type: I
Routine No: 003
Module: PPEI003
Description: MISCELLANEOUS APPOINTMENT LEVEL MAINTENANCE

Reference: CON-EDIT-03-5525

Elements:
2302 2303 2304 2312 2313 2316 2317 2318 2332
2602 2603 2604 2612 2613 2616 2617 2618 2632
2902 2903 2904 2912 2913 2916 2917 2918 2932
3202 3203 3204 3212 3213 3216 3217 3218 3232
3502 3503 3504 3512 3513 3516 3517 3518 3532
3802 3803 3804 3812 3813 3816 3817 3818 3832
4102 4103 4104 4112 4113 4116 4117 4118 4132
4402 4403 4404 4412 4413 4416 4417 4418 4432

- Set CHECK-EXEC-LIFE-ELIG-FLAG TO 'Y'

- IF the APPT-END-DATE (E2003) NOT = '9999-12-31'
  AND the APPT-DURATION-OF-EMPLOYMENT (E2004) =
    'I', 'T', or 'E'
  . Set APPT-END-DATE (E2003) to '9999-12-31'
EDB MAINTENANCE RE-ENGINEERING

10.0 ROUTINE DEFINITIONS - JOB APPT LEVEL MAINTENANCE

10.6 ROUTINE C050 - APPOINTMENT SUMMARY CONSISTENCY EDITS

Routine Type: C
Routine No: 050
Module: PPEC050
Description: APPOINTMENT SUMMARY CON EDITS

Called Mods: none

08-071 The sum of all current Appointment FTE Percents (E2012) exceeds 100 percent.

08-072 Employee with different Pay Schedule Codes (E2x16) is set up for Leave Accrual.
EDB MAINTENANCE RE-ENGINEERING

11.0 ROUTINE DEFINITIONS - DISTRIBUTION LEVEL MAINTENANCE

11.1 ROUTINE C051 - MINIMUM DISTRIBUTION CONSISTENCY EDITS

Routine Type: C
Routine No: 051
Module: PPEC051
Description: MINIMUM DISTRIBUTION CONSISTENCY EDITS

Data Elements: 2003 2007 2008
2041 2071 2111 2141 2171 2211 2241 2271
2043 2073 2113 2143 2173 2213 2243 2273
2044 2074 2114 2144 2174 2214 2244 2274
2046 2076 2116 2146 2176 2216 2246 2276
2049 2079 2119 2149 2179 2219 2249 2279
2050 2080 2120 2150 2180 2220 2250 2280
2053 2083 2123 2153 2183 2223 2253 2283
2054 2084 2124 2154 2184 2224 2254 2284
2056 2086 2126 2156 2186 2226 2256 2286
(Duplicated for Appointments 2-9)

Called Mods: none

08-034 Distribution Number (E2041) is equal to zero
08-039 Description of Service Code (E2056) is blank
08-061 Location Code (E2043) is not equal to '1', '2', '3', '4', '5', '6', '7', '8', '9', 'J', 'K', 'L', 'M', 'N', 'O', 'P', 'Q', or 'R'
08-063 Account Number (E2044) is equal to zero
08-065 Fund Number (E2046) is equal to zero
08-113 Distribution Pay End Date (E2054) is less than the Distribution Pay Begin Date (E2053)
08-114 Distribution Pay End Date (E2054) is greater than the Appointment End Date (E2003)
EDB MAINTENANCE RE-ENGINEERING

11.0 ROUTINE DEFINITIONS - DISTRIBUTION LEVEL MAINTENANCE

11.1 ROUTINE C051 - MINIMUM DISTRIBUTION CONSISTENCY EDITS

08-721 Personnel Program code (E2007) is equal to 'S' and Salary Step (E2049) is not one of 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, or zero

OR

Personnel Program Code (E2007) is equal to 'A' and Salary Step (E2049) is not equal to '0', '1', '2', '3', '4', '5', '6', '7', '8', '9', '10', 'A', or 'B'

08-722 Personnel Program Code (E2007) is equal to 'S' and Off/Above Scale Indicator (E2050) is 'T' or 'R'; and Salary Step (E2049) is not equal to zero

OR

Personnel Program Code (E2007) is equal to 'A' and Off/Above Scale Indicator (E2050) is 'A' and Salary Step (E2049) is not blank

OR

Personnel Program code (E2007) is equal to 'A' and Off/Above Scale Indicator (E2050) is 'O' and Salary Step (E2049) is not equal to '0', '1', '2', '3', '4', '5', '6', '7', '8', '9', '10', 'A', 'B'

08-724 Personnel Program code (E2008) is equal to 'E', 'M', or 'P' and Salary Step (E2049) is not blank

08-725 Personnel Program code (E2008) is equal to 'A' or 'S' and Salary Step (E2049) is not equal to '1', '2', '3', '4', '5', '6', '7', '8', '9', '10', 'A', 'B', 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, blank or zero
EDB MAINTENANCE RE-ENGINEERING

11.0 ROUTINE DEFINITIONS - DISTRIBUTION LEVEL MAINTENANCE

11.2 ROUTINE I051 - MINIMUM DISTRIBUTION IMPLIED MAINTENANCE

Routine Type: I
Routine No: 051
Module: PPEI051
Description: MINIMUM DISTRIBUTION DATA
Reference: MINIMUM-DISTRIBUTION-CHCK-8200

- IF DIST-LOC (E2043) NOT = CAMPUS-LOC (XCCR)
  AND DIST-LOC NOT = XCCR-STATEWIDE
    . Set DIST-LOC (E2043) to CAMPUS-LOC (XCCR)
    . Issue Message M12901

- IF DIST-ACCOUNT (E2044) = ZERO
  . Issue Message M12090

- IF DIST-FUND (E2046) = ZERO
  . Issue Message M12090

- IF DIST-DOS (E2056) = SPACES
  . Issue Message M12090

- IF DIST-DOS = 'WOS'
  AND DIST-WOS = 'N'
  . Issue Message M12096

- IF DIST-DOS is NOT
  -- IF DIST-PCT (E2052) = ZERO
    .. IF DOS Found on DOS Table
       AND DOST Calc Function = 'R'
       AND DOTS Hours Code = 'N' or 'R'
       AND DOTS Pay Category = 'D' or 'N'
          --- IF APPT-FIXED-VAR-CODE = 'V'
             ... Issue Message 12090
          ELSE
             ... Issue Message 12089
  -- IF DIST-PAY-BEGIN-DATE (E2053) = ZERO
    .. Issue Message M12089
EDB MAINTENANCE RE-ENGINEERING

11.0 ROUTINE DEFINITIONS - DISTRIBUTION LEVEL MAINTENANCE

11.2 ROUTINE I051 - MINIMUM DISTRIBUTION IMPLIED MAINTENANCE

-- IF DIST-PAY-END-DATE (E2054) = ZERO
   .. Issue Message M12089

-- IF DIST-RATE-AMT (E2055) = ZERO
   .. Issue Message M12089
EDB MAINTENANCE RE-ENGINEERING

11.0 ROUTINE DEFINITIONS - DISTRIBUTION LEVEL MAINTENANCE

11.3 ROUTINE C052 - DOS IMPLIED MAINTENANCE

Routine Type: C
Routine No: 052
Module: PPEC052
Description: DESCRIPTION OF SERVICE CODE EDITS

Data Elements: 2051 2081 2121 2151 2181 2221 2251 2281
2052 2082 2122 2152 2182 2222 2252 2282
2053 2083 2123 2153 2183 2223 2253 2283
2055 2085 2125 2155 2185 2225 2255 2285
2056 2086 2126 2156 2186 2226 2256 2286

(Duplicated for Appointments 2-9)

Called Mods: PPDOSUTL - DOS Table Load in Mainline USER08

08-040 Distribution Percent (E2052) is equal to zero and
Description of Service Type Hours Code is 'N' or 'R'
and Description of Service Pay Category on the DOS
Table is 'D' or 'N'

08-041 Pay Begin Date (E2053) is equal to zero and
Description of Service code (E2056) is not 'WOS'

08-042 Description of Service Code (E2056) is not 'WOS' and
Pay End Date (E2054) is equal to zero

08-043 Description of Service Code (E2056) is not 'WOS' and
Distribution Pay Rate (E2055) is equal to zero

08-074 Description of Service Code (E2056) is not on the
DOS Table

(This edit should be added to USER06 Table Edits)

08-102 Description of Service Pay Category on DOS Table for
Distribution DOS Code is not 'N', 'D', 'P' or 'S'

08-103 Description of Service Calculation Function Code on
DOS Table is 'A' and Distribution Percent (E2052) is
greater than zero

08-104 Description of Service Calculation Function Code on
DOS Table is 'A' and Distribution FTE (E2051) is
greater than zero
11.0 ROUTINE DEFINITIONS - DISTRIBUTION LEVEL MAINTENANCE

11.3 ROUTINE C052 - DOS IMPLIED MAINTENANCE

08-105 Description of Service Calculation Function Code on DOS Table is 'R' and Distribution Pay Rate (E2055) is equal to zero

08-106 Description of Service Calculation Function Code is 'R' AND Fixed/Variable Code (E2013) is 'F';
AND Distribution Percent (E2052) is zero;
AND Description of Service Pay Cat is 'D' or 'N'
AND Description of Service Type Hours Code is 'N' or 'R'

08-107 Appointment Rate Code (E2015) is 'B' and Description of Service Calculation Function Code is not 'A';

08-108 Description of Service Pay Category is 'P' and Distribution FTE (E2051) is not equal to zero

08-109 Description of Service Pay Category is 'P' and Distribution Perquisite Type code (E2057) is blank

08-111 Description of Service Code (E2056) is 'WOS' and FTE (E2051) is not equal to zero

08-112 Description of Service Code (E2056) is 'Wos' and Distribution Pay Rate (E2055) is not equal to zero
11.0 ROUTINE DEFINITIONS - DISTRIBUTION LEVEL MAINTENANCE

11.4 ROUTINE I052 - WORK STUDY PGM CODE IMPLIED MAINTENANCE

Routine Type: I
Routine No: 052
Module: PPEI052
Description: WORK STUDY PGM CODE
Reference: CON-EDIT-05-5535
Called Mods: PPWSPUTL

- IF DIST-WORK-STUDY-PGM (E2062) NOT equal to SPACES
  -- IF STUDENT-STATUS = 3 or 4
    .. CALL PPWSPUTL
    --- IF XWSI-ABEND
      OR XWSI-DATE-TOO-LATE
      OR XWSI-DATE-TOO-EARLY
      ... Set DIST-WORK-STUDY-PGM (E2062) to SPACE
  -- ELSE
    .. Set DIST-WORK-STUDY-PGM (E2062) to SPACE
Routine Type: C  
Routine No: 053  
Module: PPEC053  
Description: DISTRIBUTION ACCOUNT / FUND CON EDITS

Data Elements:  
2043 2073 2113 2143 2173 2213 2243 2273  
2044 2074 2114 2144 2174 2214 2244 2274  
2046 2076 2116 2146 2176 2216 2246 2276  
2048 2078 2118 2148 2178 2218 2248 2278  
(Duplicated for Appointments 2-9)

Called Mods: PPINAPP :- Account / Fund Profile Utility

08-057 Sub Account Code (E2048) is blank or Sub Account Code is not on the Account/Fund Profile (Previously performed from Conedit 04)

There is a need to combine edit logic into a single condition.

08-057 Sub Account Code (E2048) is blank or Sub Account Code is not on the Account/Fund Profile (Previously displayed from Conedit 05)

08-059 Location Code (E2043)/Account Number (E2044)/Fund Number (E2046) combination not found on Account/Fund Profile

08-213 No Department code was returned from Account/Fund Profile for Account Number (E2044)

08-214 Department code returned from Account/Fund Profile is not found in Home Department Table
EDB MAINTENANCE RE-ENGINEERING

11.0 ROUTINE DEFINITIONS - DISTRIBUTION LEVEL MAINTENANCE

11.6 ROUTINE I053 - MISCELLANEOUS DISTRIBUTION IMPLIES MAINTENANCE

Routine Type: I
Routine No: 053
Module: PPEI053
Description: MISCELLANEOUS DISTRIBUTION MAINTENANCE
Reference: CON-EDIT-06-5540

- IF this is the FIRST DISTRIBUTION for this APPOINTMENT
  . Set APPT-WOS-IND (E2028) to 'Y'

- IF DIST-DOS NOT = SPACES
  -- IF DIST-DOS NOT = 'WOS'
    . . SET APPT-WOS-IND (E2028) to 'N'

- IF this is the LAST DISTRIBUTION for this APPOINTMENT
  -- IF NOT TIME-REPT-CODE-WOS-TIME for this APPOINTMENT
    --- IF ALL Distribution DOS elements for this APPOINTMENT are equal to SPACES
    OR APPT-RATE-CODE NOT = SPACES
      ... Set APPT-WOS-IND (E2028) to 'N'

  -- IF the APPT-WOS-IND has changed
    . . Write Change Record for APPT-WOS-IND

- IF PERSONNEL-PGM (E2007) = STAFF
  OR ACADEMIC

  -- IF APPT-GRADE NOT = SPACES
    . . Issue Message M12923

- IF PERSONNEL-PGM (E2007) = EXECUTIVE
  OR MAP
  OR APS

  -- IF DIST-STEP (E2049) is NOT = SPACES or ZEROS
    . . Issue Message M12924

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EDB MAINTENANCE RE-ENGINEERING

11.0 ROUTINE DEFINITIONS - DISTRIBUTION LEVEL MAINTENANCE

11.6 ROUTINE I053 - MISCELLANEOUS DISTRIBUTION IMPLIED MAINTENANCE

- IF PERSONNEL-PGM (E2007) = STAFF OR ACADEMIC
  -- IF DIST-STEP (E2049) NOT = SPACES
    --- IF PERSONNEL-PGM-STAFF AND
       NOT a VALID STAFF STEP
       ... Issue Message M12925
    --- ELSE IF PERSONNEL-PGM-ACADEMIC AND
       NOT a VALID ACADEMIC STEP
       ... Issue Message M12925
  -- IF PERSONNEL-PGM-STAFF AND DIST-OFF-ABOVE = 'T'
     .. Issue Message M12926
  ELSE IF PERSONNEL-PGM-STAFF
         AND DIST-OFF-ABOVE = 'R'
         AND DIST-STEP is NOT a VALID-ZERO-STEP
     .. Issue Message M12926
  ELSE IF PERSONNEL-PGM-ACADEMIC
         AND DIST-OFF-ABOVE = 'A'
         AND DIST-STEP NOT = SPACES
     .. Issue Message M12926
  ELSE IF PERSONNEL-PGM-ACADEMIC
         AND DIST-OFF-ABOVE = 'O'
         AND DIST-STEP is NOT a VALID ACADEMIC STEP
     .. Issue Message M12926
EDB MAINTENANCE RE-ENGINEERING

11.0 ROUTINE DEFINITIONS - DISTRIBUTION LEVEL MAINTENANCE

11.7 ROUTINE C054 - OLD APPOINTMENT WORK STUDY PROGRAM
CONSISTENCY EDITS

Routine Type: C
Routine No: 054
Module: PPEC054
Description: OLD APPOINTMENT WORK STUDY PROGRAM (WSP)

Data Elements: 0119 2002 2003 2019
2041 2046 2071 2076 2111 2116 2141 2146 2171
2176 2211 2216 2241 2246 2271 2276

(Duplicated for Appointments 2-9)

Called Mods: PPWSPUTL - Work Study Program Table Utility

08-002 Work Study Program Code (E2019) is not blank and Distribution Number (E2041) is not equal to zero and Fund Number (E2046) is equal to one of the valid Work Study Program Fund number on the Work Study Table

08-033 Work Study Program Code (E2019) has changed and is not found on the Work Study Table

08-064 Work Study Program Code (E2019) is not blank and UC Student Status Code (E0119) is equal to '1' or '2'

08-066 Work Study Program Code (E2019) is not valid as of the Appointment Begin/End Dates; Work Study Program Code has expired

08-068 Work Study Program Code (E2019) is not valid as of the Appointment Begin/End Dates; Work Study Program is a future program.
11.0 ROUTINE DEFINITIONS - DISTRIBUTION LEVEL MAINTENANCE

11.8 ROUTINE C100 - DISTRIBUTION SUMMARY CONSISTENCY EDITS

Routine Type: C
Routine No: 100
Module: PPEC100
Description: DISTRIBUTION SUMMARY CONSISTENCY EDITS

Called Mods: none

08-110  A distribution FTE (E2051) is not equal to zero, and there exists another distribution FTE within the same appointment which is equal to zero, and the Pay Category DOS is equal to 'S'

08-117  The total of the current Distribution FTEs (E2051) for a given Appointment exceed 100 percent

08-118  The total of the current Distribution FTEs (E2051) for a given Appointment exceeds the Appointment's Percent Full Time (E2012)
Move time-rept-code (apt-pntr, 1) to w88-time-rept-code.

If time-rept-wos-time continue
   else
      if dist-sw-off or rate-code (appt-pntr, 1) not = space
         move 'n' to appt-wos-ind (appt-pntr, 1)
      end-if
   end-if

Compute save-pntr = (appt-pntr / 3) + 1.

If appt-wos-ind (appt-pntr, 1) not = save-appt-wos (save-pntr)
   compute dl-field-r = ada-seg-base (appt-pntr, 1)
      + off-2028-appt-wos
   perform 9050-auditing-responsibilities
end-if.
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.1 ROUTINE C101 - RETIREMENT SYSTEM CODE RELATED

Routine Type: C
Routine No: 101
Module: PPEC101
Description: RETIREMENT SYSTEM CODE RELATED CON EDITS

Data Elements: 0107 0109 0110 0113 0119 0120 0122 0129 0360

Called Mods: none

Consistency Edits

08-004 Retirement System Code (E0122) is not equal to 'N' or blanks and Assigned BELI (E0360) is not equal to '1'

08-035 Retirement System Code (E0122) is equal to 'H' and the FICA Eligibility Code (E0120) is equal to 'E'

08-036 Retirement System Code (E0122) is equal to 'H' (SFHBR) or FICA Eligibility Code (E0120) is equal to 'E', AND the Citizenship Status Code (E0109) indicates "Alien Status", AND the VISA Type (E0110) is equal to 'J1' or 'F1'

08-037 Retirement System Code (E0122) is equal to 'H' and the UC Student Status (E0119) is equal to "Graduate" or "Undergraduate"

08-038 Retirement System Code (E0122) with a prior numeric value cannot be explicitly updated

08-120 Retirement Code 3 from Title Code Table for Appointment Title Code (E2006) is equal to '1' and Retirement System Code (E0122) is not blank

08-121 Retirement System Code (E0122) is not equal to 'N' or blank and Personnel Action Code '01' or '02' are not set ON

08-122 Retirement System Code (E0122) is not equal to 'N' or blank and Date of Employment (E0113) Year minus Date of Birth (E0107) Year is greater than 69

08-123 Retirement System Code (E0122) is not equal to 'N' or blank and UC Student Status Code (E0119) is equal to '3' or '4'
12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.1 ROUTINE C101 - RETIREMENT SYSTEM CODE RELATED

08-222 Retirement System Code (E0122) is NOT equal to 'U', 'H', '1', or 'B', AND DCP Plan Code (E0129) is NOT equal to spaces.

08-223 Retirement System Code (E0122) is NOT equal to 'B', 'U', or '1' and the Dependent Care Deduction Amount (G balance) is not equal to zero.

Implied Maintenance

- IF RET-ELIG-CODE (E0122) NOT = SAVE-RETR-ELIG-CODE
  -- IF SAVE-RETR-ELIG-CODE = 1, 2, 3, 4, OR 5
    .. Set RETR-ELIG-CODE (E0122) to SAVE-RETR-ELIG-CODE
    .. Issue Message M12039 (M08038)

- IF RET-ELIG-CODE (E0122) = SAFE-HARBOR
  AND FICA-ELIG-CODE (E0120) = FICA-ELIGIBLE
  . Issue Message M12045 (M08035)

- IF RET-ELIG-CODE (E0122) = SAFE-HARBOR
  OR FICA-ELIG-CODE (E0120) = FICA-ELIGIBLE
  -- IF CITIZEN-CODE (E0109) = RESIDENT ALIEN
    OR NON-RESIDENT ALIEN-T
    OR NON-RESIDENT ALIEN EXMPT
      --- IF VISA-TYPE (E0110) = 'F1' or 'J1'
        .. Set FICA-ELIG-CODE (E0120) to 'N'
        .. Set RET-ELIG-CODE (E0122) to 'N'
        .. Issue Message M12046 (M08036)

- IF DCP-PLAN-CODE (E0129) = SPACE
  AND SAVE-DCP-PLAN-CODE = SPACE
  .. Set DCP-PLAN-CODE (E0129) to IDC-DEFAULT-DCP-CODE
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.1 ROUTINE C101 - RETIREMENT SYSTEM CODE RELATED

- ELSE IF SAVE-RET-ELIG-CODE NOT = RET-ELIG-CODE

-- IF RET-ELIG-CODE = SAFE-HARBOR
   AND DCP-PLAN-CODE = SAVE-DCP-PLAN-CODE
   AND SAVE-RETR-ELIG-CODE = U,1, OR B

   .. Set DCP-PLAN-CODE (E0129) to
      IDC-DEFAULT-DCP-CODE

-- ELSE IF SAVE-RETR-ELIG-CODE = 'H'
   AND RET-ELIG-CODE = UCRS
      OR UCRS-FY-ND
      OR UCRS-ND

   --- IF DCP-PLAN-CODE = SAVE-DCP-PLAN-CODE

      ... SET DCP-PLAN-CODE (E0129) TO
         IDC-DEFAULT-DCP-PLAN-CODE

-- ELSE IF DCP-PLAN-CODE (E0129) NOT = SPACE

   .. Issue Message M12222

- IF STUDENT-STATUS = 3 or 4
   AND RET-ELIG-CODE (E0122) = SAFE-HARBOR

   .. Issue Message M12048 (M08037)

(FROM CON-EDIT-10)

- IF NDI-CODE (E0123) = SPACES
   AND RET-ELIG-CODE (E0122) = UCRS-RETR
   OR PERS-RETR
   OR SCERA-RETR
   OR UCRS-RETR-ND
   OR PERS-RETR-FY-ND
   OR SCERA-RETR-FY-ND
   OR FCSRS-RETR
   OR OCERS-RETR
   OR UCRS-RETR-FY-ND
   OR FCSRS-RETR-FY-ND
   OR OCERS-RETR-FY-ND

   . Set NDI-COVEFFDATE (E0453) to BELI-EFF-DATE
   . Set NDI-CODE (E0123) to 'A'
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.1 ROUTINE C101 - RETIREMENT SYSTEM CODE RELATED

- IF RET-ELIG-CODE (E0122) = NO-RETR-PLAN
  OR SAFE-HARBOR
  OR NOT-ELIGIBLE
  . Set NDI-COVEFFDATE (E0453) to ZEROES
  . Set NDI-CODE (E0123) to SPACES
TEXT

EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.2 ROUTINE C102 - HEALTH

Routine Type: C
Routine No: 102
Module: PPEC102
Description: HEALTH INSURANCE MAINTENANCE

Data Elements: 0292 0293 0294 0296 0297 0298 0360 0377

Called Mods: none

Consistency Edits

08-005 Assigned BELI (E0360) is '5', '6', '7', '8', '9', or '?' and Health opt-out Indicator (E0377) is not equal to 'X' and at least one of the following data elements is non-blank or non-zero:

- Primary Health Plan Coverage Code (E0293)
- Primary Health Plan Coverage EffDate (E0294)
- Primary Health Plan Code (E0292)

08-054 Primary Health Plan Code (E0292) is not blank and Primary Health Plan Coverage code (E0293) is blank

08-078 Primary Health Plan Code (E0292) is not blank and Primary Health Plan Coverage Effective Date is equal to zero

08-079 Primary Health Plan Code (E0292) is blank and at least one of the following data elements is non-blank or non-zero:

- Primary Health Plan Coverage Code (E0293)
- Primary Health Plan Coverage EffDate (E0294)

08-303 Health Opt-out Indicator (E0377) is not equal to 'X' and Assigned BELI (E0360) is equal to '4' and Primary Health Plan Code (E0292) is not 'CM' and at least one of the following data elements is non-blank or non-zero:

- Primary Health Plan Coverage Code (E0293)
- Primary Health Plan Coverage EffDate (E0294)
- Primary Health Plan Code (E0292)
E08-304 Health Opt-out Indicator (E0377) is equal to 'X'; and at least one of the following data elements is non-blank or non-zero:

- Primary Health Plan Coverage Code (E0294)
- Primary Health Plan Coverage EffDate (E0294)
- Primary Health Plan Code (E0292)

**Implied Maintenance**

- **IF** HLTH-OPTOUT Indicator = OPT-OUT
  
  -- **IF** SAVE-HLTH-PLAN (E0292) = SPACES
  
  --- **IF** HLTH-PLAN (E0292) = SPACES AND HLTH-COVERCODE (E0293) = SPACES AND HLTH-COVEFFDATE (E0294) = ZEROS
  
  ... EXIT Routine

  --- **ELSE**

  ... Set HLTH-PLAN (E0292) to SPACE
  ... Set HLTH-COVERCODE (E0293) to SPACES
  ... Set HLTH-COVEFFDATE (E0294) to ZEROS

  -- **ELSE**

  .. Issue Message M12315
  .. Set HLTH-PLAN (E0292) to SPACE
  .. Set HLTH-COVERCODE (E0293) to SPACES
  .. Set HLTH-COVEFFDATE (E0294) to ZEROS

- **ELSE**

  -- **IF** BELI-NUMERIC-VALUE is greater than 4

  --- **IF** HLTH-PLAN (E0292) = SPACES

  ---- **IF** SAVE-HLTH-PLAN NOT = SPACES AND HLTH-OPTOUT (E0377) NOT = 'D'

  .... Set HLTH-OPTOUT (E0377) to 'C'

  --- **ELSE**
12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.2 ROUTINE C102 - HEALTH

... SET BYPASS-REST-OF-ROUTINE TO TRUE

----- IF SAVE-HLTH-PLAN = SPACES

.... Set HLTH-PLAN (E0292) to SPACES
.... Set HLTH-COVERCODE (E0293) to SPACES
.... Set HLTH-COVEFFDATE (E0294) to ZEROS
.... Issue Message M12311

----- ELSE

.... Set HLTH-PLAN (E0292) to SAVE-HLTH-PLAN
.... Set HLTH-COVERCODE (E0293) to SAVE-HLTH-COVERCODE
.... Set HLTH-COVEFFDATE (E0294) to SAVE-HLTH-COVEFFDATE
.... Issue Message M12311

-- ELSE IF BELI-NUMERIC-VALUE less than 5

--- IF HLTH-PLAN (E0292) = SPACES

----- IF SAVE-HLTH-PLAN = SPACES

  IF HLTH-OPTOUT (E0377) = SPACE

  o ENROLL IN CORE-MEDICAL
    - Set HLTH-PLAN to 'CM'
    - Set HLTH-COVERCODE to 'U'
    - IF BELI-IND NOT = SPACES
      Set HLTH-COVEFFDATE to BELI-DATE

  o SET BYPASS-REST-OF-ROUTINE to TRUE

----- ELSE IF SAVE-HLTH-PLAN = 'CM'

.... Set HLTH-PLAN (E0292) to SAVE-HLTH-PLAN
.... Set HLTH-COVERCODE (E0293) to SAVE-HLTH-COVERCODE
.... Set HLTH-COVEFFDATE (E0294) to SAVE-HLTH-COVEFFDATE
.... Issue Message M12310
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.2 ROUTINE C102 - HEALTH

----- ELSE IF HLTH-OPTOUT (E0377) NOT = 'D'

.... Set HLTH-OPTOUT (E0377) to 'C'

--- ELSE IF BELI-NUMERIC-VALUE = 4

.... SET BYPASS-REST-OF-ROUTINE to TRUE

----- IF HLTH-OPTOUT (E0377) NOT = SPACE

.... Set HLTH-PLAN (E0292) to SPACES

.... Set HLTH-COVERCODE (E0293) to SPACES

.... Set HLTH-COVEFFDATE (E0294) to ZEROS

.... IF HLTH-PLAN (E9292) = 'CM'

Issue Message M12314

ELSE

Issue Message M12312

----- ELSE IF SAVE-HLTH-PLAN = SPACES

IF HLTH-PLAN (E0292) = 'CM'

o ENROLL IN CORE-MEDICAL

ELSE

o Set HLTH-COVERCODE to 'U'

o Set HLTH-COVEFFDATE to ZEROS

o ENROLL IN CORE-MEDICAL

o Issue Message M12312

----- ELSE IF SAVE-HLTH-PLAN = 'CM'

.... Set HLTH-PLAN (E0292) to

SAVE-HLTH-PLAN

.... IF HLTH-PLAN NOT = 'CM'

o Set HLTH-COVERCODE (E0293) to

SAVE-HLTH-COVERCODE

o Set HLTH-COVEFFDATE(E0294) to

SAVE-HLTH-COVEFFDATE

o Issue Message M12311

----- ELSE

.... Set HLTH-COVERCODE (E0293) to

SAVE-HLTH-COVERCODE

.... Set HLTH-COVEFFDATE (E0294) to

SAVE-HLTH-COVEFFDATE

.... Issue Message M12327
--- ELSE IF HLTH-OPTOUT (E0377) NOT = SPACE

---- IF HLTH-PLAN (E0292) = 'CM'

.... Set HLTH-PLAN (E0292) to SPACE
.... Set HLTH-COVERCODE (E0293) to SPACES
.... Set HLTH-COVEFFDATE (E0294) to ZEROS
.... Issue Message M12314

---- ELSE

.... Set HLTH-OPTOUT (E0377) to SPACES

--- ELSE IF HLTH-PLAN (E0292) = 'CM'

... ENROLL in CORE-MEDICAL
... SET BYPASS-REST-OF-ROUTINE to TRUE

--- ELSE IF HLTH-COVEFFDATE (E0294) = ZEROS AND HLTH-PLAN (E0292) NOT = SPACES

... ENROLL in CORE-MEDICAL
... SET BYPASS-REST-OF-ROUTINE to TRUE

- IF BYPASS-REST-OF-ROUTINE NOT TRUE

-- IF HLTH-PLAN (E0292) NOT = SPACES AND HLTH-COVERCODE (E0293) NOT = SPACES AND HLTH-COVEFFDATE (E0294) NOT = ZEROS

.. Continue

-- ELSE

.. Set HLTH-PLAN (E0292) TO SPACES
.. Set HLTH-COVERCODE (E0293) TO SPACES
.. Set HLTH-COVEFFDATE (E0294) TO ZEROS
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.3 ROUTINE C103 - AD&D

Routine Type: C
Routine No: 103
Module: PPEC103
Description: AD&D INSURANCE MAINTENANCE

Data Elements: 0280 0281 0282 0360

Called Mods: none

Consistency Edits

08-003 Assigned BELI (E0360) is '5','6','7','8','9', or '?' and all of the following data elements is non-blank and non-zero:

- AD&D Principal Sum (E0280)
- AD&D Coverage Code (E0281)
- AD&D Coverage Effective Date (E0282)

08-086 One of the following elements is non-zero and non-spaces and another element is zero or spaces (if one element is present they all have to be present)

- AD&D Principal Sum (E0280)
- AD&D Coverage Code (E0281)
- AD&D Coverage Effective Date (E0282)

Implied Maintenance

- IF ( ADD-PRINCIPAL-SUM (E0280) = ZERO
  AND ADD-COVERAGE (E0281) = SPACES
  AND ADD-COVEFFDATE (E0282) = ZEROS )
  . Continue

- ELSE IF ( ADD-PRINCIPAL-SUM (E0280) = ZERO
  OR ADD-COVERAGE (E0281) = SPACES
  OR ADD-COVEFFDATE (E0282) = ZEROS)
  . Set ADD-PRINCIPAL-SUM (E0280) to ZERO
  . Set ADD-COVERAGE (E0281) to SPACES
  . Set ADD-COVEFFDATE (E0282) to ZEROS
- ELSE IF BELI-NUMERIC-VALUE is less than 5
  OR ( ADD-PRINCIPAL-SUM = SAVE-ADD-PRINCIPAL-SUM
       AND ADD-COVERAGE = SAVE-ADD-COVERAGE
       AND ADD-COVEFFDATE = SAVE-ADD-COVEFFDATE )
    . Continue
- ELSE
  . Set ADD-PRINCIPAL-SUM (E0280) to ZERO
  . Set ADD-COVERAGE (E0281) to SPACES
  . Set ADD-COVEFFDATE (E0282) to ZEROS
Routine Type: C
Routine No: 104
Module: PPEC104
Description: LIFE INSURANCE MAINTENANCE
Data Elements: 0275 0276 0277 0360
Called Mods: none

Consistency Edits
08-087 All of the following data elements are non-blank or non-zero, but one or more contain an invalid value;
   o Life Insurance Salary Base (E0275)
   o Life Insurance Plan Code (E0276)
   o Life Insurance Coverage Effective Date

08-088 Life Insurance Plan code (E0276) is '1','2','3','4',
or 'F' and Assigned BELI (E0360) is '4',
'5','6','7','8','9', or '?' (Use '88' level)

Implied Maintenance

- IF LIFE-INS-PLAN (E0276) = SPACES
   AND LIFE-SALARY-BASE (E0275) = ZEROES
   AND LIFE-COVEFFDATE (E0277) = ZEROES
   . Continue

- ELSE IF
   ( LIFE-INS-PLAN (E0276) = SPACES
   AND LIFE-SALARY-BASE (E0275) = ZERO
   AND LIFE-COVEFFDATE (E0277) = ZEROES
   OR ( LIFE-INS-PLAN (E0276) = 'F'
   AND LIFE-SALARY-BASE (E0275) = ZERO
   AND LIFE-COVEFFDATE (E0277) > ZEROS
   OR ( LIFE-INS-PLAN (E0276) NUMERIC
   AND LIFE-SALARY-BASE (E0275) > ZERO
   AND LIFE-COVEFFDATE (E0277) > ZEROS
   . Set VALID-GLI to TRUE
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.4 ROUTINE C104 - LIFE

Implied Maintenance (Cont.)

--- IF BELI-NUMERIC-VALUE is NOT less than 4

--- IF LIFE-INS-PLAN (E0276) NOT = SAVE-LIFE-INS-PLAN
OR LIFE-SALARY-BASE (E0275) NOT = SAVE-LIFE-SALARY-BASE
OR LIFE-COVEFFDATE (E0277) NOT = SAVE-LIFE-COVEFFDATE

... Set LIFE-INS-PLAN (E0276) to SAVE-LIFE-INS-PLAN
... Set LIFE-SALARY-BASE (E0275) to SAVE-LIFE-SALARY-BASE
... Set LIFE-COVEFFDATE (E0277) to SAVE-LIFE-COVEFFDATE
... Issue Message M12319

- ELSE

--- IF LIFE-INS-PLAN (E0276) NOT = SPACE

.. Set LIFE-INS-PLAN (E0276) to SPACE

--- IF LIFE-SALARY-BASE (E0275) NOT = ZERO

.. Set LIFE-SALARY-BASE (E0275) to ZERO

--- IF LIFE-COVEFFDATE (E0277) NOT = ZEROES

.. Set LIFE-COVEFFDATE (E0277) to ZEROES
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.5 ROUTINE C105 - DEPENDENT LIFE

Routine Type: C
Routine No: 105
Module: PPEC105
Description: DEPENDENT LIFE CON EDITS

Data Elements: 0188 0275 0276 0277 0278 0356
Called Mods: none

Consistency Edits

08-070 All of the following data elements contain a value, but on or more contain an invalid value;
    o Dep Life Ins. Coverage Effective Date (0188)
    o Dep Life Ins. Plan Code (0278)

08-169 Dependent Life Insurance Plan code (E0278) is Valid and Assigned BELI (E0360) is '4', '5', '6', '7', '8', '9', or '?' (Use '88' level)

08-334 Dependent Life Coverage (E0278) is equal to 'S', 'B', or 'C', and the Life Insurance Plan (E0276) is equal to spaces, and the Executive Life Flag (E0356) is equal to zero (NOT Eligible) or 'X' (Non-participant)

Implied Maintenance

- IF DEP-LIFE-IND (E0278) = SPACES
  OR DEP-LIFE-COVEFFDATE (E0188) NOT = ZEROES

-- IF DEP-LIFE-IND (E0278) = DEP-LIFE-EXPANDED
  AND LIFE-INS-PLAN (E0276) = SPACE
  AND ( EXEC-LIFE-FLAG (E0356) = NOT-ELIGIBLE
     OR EXEC-LIFE-FLAG (E0356) = NON-PARTICIPANT)

  .. Set DEP-LIFE-IND (E0278) to
     SAVE-DEP-LIFE-IND
  .. Set DEP-LIFE-COVEFFDATE (E0188) to
     SAVE-DEP-LIFE-COVEFFDATE
  .. Issue Message M12334
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.5 ROUTINE C105 - DEPENDENT LIFE

Implied Maintenance (Cont.)

-- IF
     ( DEP-LIFE-IND (E0278) = SPACES
          AND DEP-LIFE-COVEFFDATE (E0188) = ZEROES)
     OR ( DEP-LIFE-IND (E0278) = 'Y'
          AND DEP-LIFE-COVEFFDATE (E0188) > ZEROES)
     OR ( DEP-LIFE-IND (E0278) = 'S'
          AND DEP-LIFE-COVEFFDATE (E0188) > ZEROES)
     OR ( DEP-LIFE-IND (E0278) = 'B'
          AND DEP-LIFE-COVEFFDATE (E0188) > ZEROES)
     OR ( DEP-LIFE-IND (E0278) = 'C'
          AND DEP-LIFE-COVEFFDATE (E0188) > ZEROES)

.. Set VALID-DEP-LIFE to TRUE

--- IF BELI-NUMERIC-VALUE NOT < 4

----- IF
     DEP-LIFE-IND (E0278) NOT =
     SAVE-DEP-LIFE-IND
     OR DEP-LIFE-COVEFFDATE (E0188) NOT =
     SAVE-DEP-LIFE-COVEFFDATE

.... Set DEP-LIFE-IND (E0278) TO
     SAVE-DEP-LIFE-IND
.... Set DEP-LIFE-COVEFFDATE (E0188) TO
     SAVE-DEP-LIFE-COVEFFDATE
.... Issue Message M12332

-- ELSE NOT VALID DEP LIFE GLI DATA

--- IF DEP-LIFE-IND (E0278) NOT = SPACE

... Set DEP-LIFE-IND (E0278) TO SPACE

--- IF DEP-LIFE-COVEFFDATE (E0188) NOT = ZEROES

... Set DEP-LIFE-COVEFFDATE (E0188) TO ZEROES
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.6 ROUTINE C106 - EPD

Routine Type: C  
Routine No: 106  
Module: PPEC106  
Description: EPD INSURANCE CON EDITS

Data Elements: 0231 0232 0233 0360

Called Mods: none

Consistency Edits

08-188 One of the following elements is non-zero and one of the elements is zero (if one element is non-zero they all must be non-zero);

- Employee Paid Disability Salary Base (E0232)
- Employee Paid Disability Waiting Pd (E0231)
- Employee Paid Disability Coverage Effective Date (E0233)

08-189 Assigned BELI (E0360) is not equal to '1' and all of the following elements are non-zero;

- Employee Paid Disability Salary Base (E0232)
- Employee Paid Disability Waiting Pd (E0231)
- Employee Paid Disability Coverage Effective Date (E0233)

Implied Maintenance

- IF EPD-SALARY-BASE (E0232) = ZEROES AND EPD-WAIT-PERIOD (E0231) = ZEROES AND EPD-COVGRGE-DATE (E0233) = ZEROES
  . Continue

- ELSE IF EPD-SALARY-BASE (E0232) = ZEROES OR EPD-WAIT-PERIOD (E0231) = ZEROES OR EPD-COVGRGE-DATE (E0233) = ZEROES
  . Set EPD-SALARY-BASE (E0232) to ZEROES
  . Set EPD-WAIT-PERIOD (E0231) to ZEROES
  . Set EPD-COVGRGE-DATE (E0233) to ZEROES
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.6 ROUTINE C106 - EPD

Implied Maintenance (Cont.)

- ELSE IF BELI-NUMERIC-VALUE = 1
  . Continue

- ELSE IF EPD-SALARY-BASE = SAVE-EPD-SALARY-BASE
  AND EPD-WAIT-PERIOD = SAVE-EPD-WAIT-PERIOD
  AND EPD-COVRGE-DATE = SAVE-EPD-COVRGE-DATE
  . Continue

- ELSE
  . Set EPD-SALARY-BASE (E0232) to SAVE-EPD-SALARY-BASE
  . Set EPD-WAIT-PERIOD (E0231) to SAVE-EPD-WAIT-PERIOD
  . Set EPD-COVRGE-DATE (E0233) to SAVE-EPD-COVRGE-DATE
  . Issue Message M12021
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.7 ROUTINE C107 - CHECK ADDRESS

Routine Type: C
Routine No: 107
Module: PPEC107
Description: CHECK ADDRESS CON EDITS
Data Elements: 0201 0202 0203 0303 0304 0305

Called Mods: none

Consistency Edits

08-092 Check Disposition Code (E0201) is equal to '4' and Bank Table Key (E0202) is blank
08-093 Check Disposition Code (E0201) is equal to '5', '6', '7', and Address-Check-Line-One (E0301) is blank
08-094 Check Disposition Code (E0201) is equal to '5', '6', '7', and Address-Check-City (E0303) is blank
08-095 Check Disposition Code (E0201) is equal to '5', '6', '7', and Address-Check-State (E0304) is blank
08-096 Check Disposition Code (E0201) is equal to '5', '6', '7', and Address-Check-Zip (E0305) is blank
08-137 Check Disposition Code (E0201) is equal to '4' and Bank Account Number (E0203) is blank

Implied Maintenance

None
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.8 ROUTINE C108 - SUREPAY

Routine Type: C
Routine No: 108
Module: PPEC108
Description: SUREPAY CONEDITS

Elements: 0201 0202 0203 0225 0226 0227 0230 0301 0303 0304 0305

Called Mods: none

Consistency Edits

08-144 Surepay Checking/Savings Account Code (E0226) is blank and explicit maintenance has occurred to one of the following data elements;
  ○ Sure Pay Bank Account Number (E0225)
  ○ Sure Pay Bank Table Key (E0230)

08-145 Surepay Bank Table Key not found on Surepay Bank Table and explicit maintenance has occurred to one of the following data elements;
  ○ Sure Pay Bank Account Number (E0225)
  ○ Sure Pay Checking/Savings Acct. Code (E0226)
  ○ Sure Pay Bank Table Key (E0230)

08-146 Surepay Bank Account Number (E0225) is blank or non-numeric and the corresponding Table format character is ' / ' or Surepay Bank Account Number is non-alphabetic and the corresponding Table format character is ' 0 ' and explicit maintenance has occurred to one of the following data elements;
  ○ Sure Pay Bank Account Number (E0225)
  ○ Sure Pay Checking/Savings Acct. Code (E0226)
  ○ Sure Pay Bank Table Key (E0230)

08-147 A Surepay Prenote Status Code (E0227) value of ' 0 ' has been explicitly entered

08-148 A Check Disposition code (E0201) value of ' 8 ' has been explicitly entered.
12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.8 ROUTINE C108 - SUREPAY

Consistency Edits (Cont.)

08-149 Surepay Prenote Status Code (E0227) is equal to '0' or '2' and explicit maintenance has occurred to one of the following elements:

- Check Disposition code (E0201)
- Sure Pay Bank Account Number (E0225)
- Sure Pay Checking/Savings Acct. Code (E0226)
- Sure Pay Bank Table Key (E0230)

Implied Maintenance

A check will be made prior to the call to PPRTNMGR to determine if the campus supports SUREPAY. If the campus does NOT support SUREPAY, the Implied Maintenance 108 switch will be SET OFF.

- IF CHK-DISP-CODE (E0201) has been changed (DLSEARCH)
  AND CHK-DISP-CODE (E0201) has been changed to '8'
  (SUREPAY)
  
  . Issue Message M12900

- IF SURE-PRENOTE-IND (E0227) has been changed
  (DLSEARCH)
  AND SURE-PRENOTE-IND (E0227) has been changed to '2'
  (ACTIVE)

  . Set CHK-DISP-CODE (E0201) to '8' (SUREPAY)
  . Set SURE-CYCLE-DATE (E0228) to ZEROS
  . Set SURE-PRENOTE-CYCLE (E0229) to SPACES
  . Set PRENOTE-CHANGED-TO-ACTIVE to TRUE

- IF (SURE-BANK-ACCT-NO (E0225) has been changed
  OR SURE-CHECK-SAVINGS (E0226) has been changed)
  AND SURE-PRENOTE-IND (E0227) NOT = '1'
  AND SURE-PRENOTE-IND (E0227) was NOT changed to '2'
  (ACTIVE)

  . Set SURE-PRENOTE-IND (E0227) to '1'
  . Set SURE-CYCLE-DATE (E0228) to ZEROS
  . Set SURE-PRENOTE-CYCLE (E0229) to SPACES
12.8 ROUTINE C108 — SUREPAY

Implied Maintenance (Cont.)

- IF CHK-DISP-CODE (E0201) has been changed AND CHK-DISP-CODE (E0201) NOT = ’8’ (SUREPAY) AND SURE-PRENOTE-IND (E0227) NOT = ’1’

  o DE-ENROLL FROM SUREPAY
    . Set SURE-BANK-Act-No (E0225) to SPACES
    . Set SURE-CHECK-SAVINGS (E0226) to SPACES
    . Set SURE-PRENOTE-IND (E0227) to SPACES
    . Set SURE-CYCLE-DATE (E0228) to ZEROS
    . Set SURE-PRENOTE-CYCLE (E0229) to ZEROS
    . Set SURE-BANK-KEY (E0230) to SPACES
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.9 ROUTINE C109 - CORPORATE CREDIT CARD

Routine Type: C
Routine No: 109
Module: PPEC109
Description: CORPORATE CREDIT CARD CON EDITS

Data Elements: 0133 0168 0169

Called Mods: none

Consistency Edits

08-915/12-903  Corporate Credit Card Type (E0133) is blank and
               either Corporate Credit Card Status (E0168) is not blank or Corporate Credit Card Effective Date
               (E0169) is not equal to zero

Implied Maintenance

None
12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.10 ROUTINE C110 - TAX RELATED

Routine Type: C
Routine No: 110
Module: PPEC110
Description: TAX RELATED CON EDITS

Data Elements: 0109 0128 0167

Called Mods: none

Consistency Edits

08-217/12-918 Citizenship Status Code (E0109) is not equal to 'E'; and Federal Tax - Withholding Allowances (E0128) is equal to 999

08-916/12-902 Citizenship Status Code (E0109) is 'E' and Federal Tax - Withholding Allowances (E0128) is not 998 or 999

08-917/12-913 Citizenship Status Code (E0109) is not equal to 'E' and IRS Form 8233 Indicator (E0167) is equal to 'Y'

Implied Maintenance

- IF CITIZEN-CODE (E0109) = NONRES-ALIEN-EXEMPT AND FEDTAX-EXEMPTIONS (E0128) NOT = 998 OR 999

  . Set FEDTAX-EXEMPTIONS (E0128) to 999 (EXEMPT)

- IF CITIZEN-CODE (E0109) NOT = NONRES-ALIEN-EXEMPT AND FEDTAX-EXEMPTIONS (E0128) = 999

-- IF SAVE-FEDTAX-EXEMPTIONS = 999 OR XACN-ACTION-FLAG (01,01) NOT = SPACES

  .. Set FEDTAX-MARITAL-STATUS (E0127) to (S)INGLE

  .. Set FEDTAX-EXEMPTIONS (E0128) to 001

-- ELSE

  .. Set FEDTAX-EXEMPTIONS (E0128) to SAVE-FEDTAX-EXEMPTIONS
12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.10 ROUTINE C110 - TAX RELATED

Implied Maintenance (Cont.)

- IF CITIZEN-CODE (E0109) NOT = NONRES-ALEIN-EXEMPT
  AND FORM-8233-IND (E0167) = FILED-STATUS

  . Set FORM-8233-IND (E0167) to SPACE
  . Issue Message M12913
12.11 ROUTINE C111 - CITIZENSHIP/VISA

Routine Type: C
Routine No: 111
Module: PPEC111
Description: CITIZENSHIP/VISA CONEDITs
Data Elements: 0109 0110
Called Mods: none

Consistency Edits

08-097 Citizenship Status Code (E0109) is 'N' or 'E' and Visa Type Code (E0110) is blank

Implied Maintenance

None
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.12 ROUTINE C112 - DATE OF EMPLOYMENT

Routine Type: C
Routine No: 112
Module: PPEC112
Description: DATE OF EMPLOYMENT CON EDITS

Data Elements: 0107 0113

Called Mods: none

Consistency Edits

08-098 Date of Employment (E0113) Year minus Date of Birth (E0107) Year is less than 16

08-099 Date of Employment (E0113) Year minus Date of Birth (E0107) Year is greater than 70

Implied Maintenance

None
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.13 ROUTINE C113 - ADDRESS

Routine Type: C
Routine No: 113
Module: PPEC113
Description: ADDRESS CON EDITS
Data Elements: 0118 0119 0120 0204 0205 0207 0208 0291

Called Mods: none

Consistency Edits

08-215/12-916 Foreign Address Indicator (E0291) is 'F' and EITHER;
Permanent State (E0207) is not blank OR
Permanent Zip (E0208) is not blank OR
Foreign Country Code (E0118) is blank

08-216 Address-Permanent-Line One (E0204) plus Address-
Permanent-Line Two (E0205) is greater than 40 positions

08-218/12-919 Foreign Address Indicator (E0291) is 'A' or blank and EITHER;
Permanent State (E0207) is not blank OR
Permanent Zip (E0208) is not blank OR
Foreign Country Code (E0118) is not blank OR
Foreign Postal Code (E1119) is not blank OR
Foreign Province (E1120) is not blank

Implied Maintenance

None
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.14 ROUTINE C114 - LAST DAY ON PAY

Routine Type: C
Routine No: 114
Module: PPEC114
Description: LAST DAY ON PAY CON EDITS

Data Elements: 0140 0141 0189

Called Mods: none

Consistency Edits

08-723 Separation Reason code (E0141) is not equal to 'I4' and explicit maintenance has occurred to one of the following data elements;

- Separation Date (E0140)
- Last Day on Pay Status (E0189)

AND

[Last Day on Pay Status (E0189) is not equal to Separation Date (E0140) OR
Last Day on Pay Status (E0189) is greater than Separation Date (E0140) OR
Last Day on Pay Status (E0189) is equal to zero ]

Implied Maintenance

This routine assumes it is being invoked because of a change in SEPARATION-DATE (E0140) or a change in LAST-DAY-ON-PAY (E0189).

- IF LAST-DAY-ON-PAY (E0189) NOT = SEPARATE-DATE (E0140)

  -- IF LAST-DAY-ON-PAY was NOT updated OR LAST-DAY-ON-PAY = ZEROS

    . Set LAST-DAY-ON-PAY (E0189) to SEPARATE-DATE
    . Issue Message M12922

  -- IF SEPARATE-DATE (E0140) = ZEROS

    . Set SEPARATE-DATE (E0140) to LAST-DAY-ON-PAY
    . Issue Message M12927

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EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.15 ROUTINE C115 - DENTAL

Routine Type: C
Routine No: 115
Module: PPEC115
Description: DENTAL INSURANCE CON EDITS

Data Elements: 0272 0273 0274 0360 0378

Called Mods: none

Consistency Edits

08-139 Dental Plan Code (E0272) is not blank and Dental Plan Coverage code (E0273) is blank

08-140 Dental Plan Code (E0272) is not blank and Dental Plan Coverage Effective Date (0274) is equal to zero

08-141 Dental Plan Code (E0272) is blank and at least one of the following data elements is non-blank or non-zero;

  o Dental Plan Coverage Code (EE0273)
  o Dental Plan Coverage Effective Date (E0274)

08-142 Assigned BELI (E0360) is not equal to '1' and Dental Opt-out Indicator (E0378) is not equal to 'X'; and at least one of the following data elements is non-blank or non-zero:

  o Dental Plan Code (E0272)
  o Dental Plan Coverage Code (E0273)
  o Dental Plan Coverage Effective Date (E0274)

08-306 Dental Opt-out Indicator (E0378) is equal to 'X' and at least one of the following data elements is not non-blank or non-zero:

  o Dental Plan Code (E0272)
  o Dental Plan Coverage Code (E0273)
  o Dental Plan Coverage Effective Date (E0274)
Edb Maintenance Re-Engineering

12.0 Routine Definitions - Miscellaneous Maintenance

12.15 Routine C115  - Dental

Implied Maintenance

- IF DENTAL-OPTOUT = 'X'
  -- IF SAVE-DENTAL-PLAN = SPACES
    --- IF DENTAL-PLAN (E0272) = SPACES
        AND DENTAL-COVERAGE (E0273) = SPACES
        AND DENTAL-COEEFFDATE (E0274) = ZEROS
    ... Continue
    --- ELSE
      ... Set DENTAL-PLAN (E0272) to SPACES
      ... Set DENTAL-COVERAGE (E0273) to SPACES
      ... Set DENTAL-COEEFFDATE (E0274) to ZEROS
      ... Issue Message M12320
  -- ELSE
    .. Set DENTAL-PLAN (E0272) to SPACES
    .. Set DENTAL-COVERAGE (E0273) to SPACES
    .. Set DENTAL-COEEFFDATE (E0274) to ZEROS
    .. Issue Message M12321
- ELSE
  -- IF BELI-NUMERIC-VALUE > 1
    --- IF DENTAL-PLAN (E0272) = SPACES
      ---- IF SAVE-DENTAL-PLAN NOT = SPACES
        AND DENTAL-OPTOUT NOT = 'D'
      ... Set DENTAL-OPTOUT (E0378) to 'C'
    --- ELSE
      ... SET BYPASS-REST-OF-Routine TO TRUE
    -- IF SAVE-DENTAL-PLAN = SPACES
      .... Set DENTAL-PLAN (E0272) to SPACES
      .... Set DENTAL-COVERAGE (E0273) to SPACES
      .... Set DENTAL-COEEFFDATE (E0274) to ZERO
      .... Issue Message M12322
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.15 ROUTINE C115 - DENTAL

Implied Maintenance (Cont.)

---- ELSE

.... Set DENTAL-PLAN (E0272) to SAVE-DENTAL-PLAN
.... Set DENTAL-COVERATE (E0273) to SAVE-DENTAL-COVERAGE
.... Set DENTAL-COVEFFDATE (E0274) to SAVE-DENTAL-COVEFFDATE

-- ELSE

--- IF DENTAL-PLAN (E0272) = SPACES

---- IF SAVE-DENTAL-PLAN = SPACES

------- IF DENTAL-OPTOUT (E0378) = SPACES

...... ENROLL IN BASE DENTAL
...... SET BYPASS REST OF ROUTINE TO TRUE

---- ELSE

------- IF DENTAL-OPTOUT NOT = 'D'

...... Set DENTAL-OPTOUT (E0378) to 'C'

--- ELSE

------- IF DENTAL-COVEFFDATE = ZEROS

...... ENROLL IN BASE DENTAL
...... SET BYPASS REST OF ROUTINE TO TRUE

------- IF DENTAL-OPTOUT NOT = SPACE

...... Set DENTAL-OPTOUT (E0378) TO SPACE
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.15 ROUTINE C115 - DENTAL

Implied Maintenance (Cont.)

-- IF NOT BYPASS REST OF ROUTINE

--- IF DENTAL-PLAN = SPACES
     OR DENTAL-COVERATE = SPACES
     OR DENTAL-COVEFFDATE = ZEROS

... Set DENTAL-PLAN (E0272) to SPACES
... Set DENTAL-COVERAGE (E0273) to SPACES
... Set DENTAL-COVEFFDATE (E0274) to ZEROS
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.16 ROUTINE C116 - U.S. SAVINGS BONDS

Routine Type: C
Routine No: 116
Module: PPEC116
Description: US SAVINGS BONDS CON EDITS

116: 1101 1102 1103 1104 1105 1106 1107 1108 1109
         1110 1111 1112 1113 1114 1115 1116 1117
117: 1201 1202 1203 1204 1205 1206 1207 1208 1209
         1210 1211 1212 1213 1214 1215 1216 1217
118: 1301 1302 1303 1304 1305 1306 1307 1308 1309
         1310 1311 1312 1313 1314 1315 1316 1317
119: 1401 1402 1403 1404 1405 1406 1407 1408 1409
         1410 1411 1412 1413 1414 1415 1416 1417

Called Mods: none

Consistency Edits

08-171 Either Bond Add Data Code (E1x01) and bond Delete
        Data Code (E1x02) are blank or both codes are
        invalid values

08-172 Bond Add Data Code (E1x01) is 'A' and Bond Delete
        Data Code (E1x02) is blank and Bond already exists

08-173 Bond Denomination Code (E1x03) is not '4','5','6',
        or '7'

08-174 Bond Owner Social Security Number (E1x04) is equal
        to 000000000 or 999999999

08-175 Bond Owner Name (E1x05) is blank

08-176 Bond Owner Address (E1x07) is blank

08-177 Bond Owner City (E1x09) is blank

08-178 Bond Owner State (E1x10) is blank

08-179 Bond Owner Zip (E1x11) is blank

08-180 Bond Beneficiary/Co-Owner Indicator (E1x13) is blank
        and Beneficiary/Co-Owner Name (E1x14) is blank
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.16 ROUTINE C116 - U.S. SAVINGS BONDS

Consistency Edits (Cont.)

08-181 Bond Beneficiary/Co-Owner Indicator (E1x13) is equal to 'B' or 'C' and Beneficiary/Co-Owner Name (E1x14) is blank

08-182 Bond Add Data Code (E1x01) is blank and Bond Delete Data Code (E1x02) is equal to 'D' and NO bond owner/beneficiary data is present

08-183 Bond Add Data Code (E1x01) is blank or equal to 'A' and Bond Delete Data Code (E1x02) is equal to 'D' and Bond Denomination code (E1x03) indicated on the delete transaction does not match the existing Bond Denomination Code

08-184 Bond Add Data Code (E1x01) is blank or equal to 'A' and Bond Delete Data Code (E1x02) is equal to 'D' and Bond Owner Social Security Number (E1x04) indicated on the delete transaction does not match the existing Bond Owner Social Security Number

08-185 Bond Add Data Code (E1x01) is blank and Bond Delete Data Code (E1x02) is equal to 'D' and Bond Deletion Denomination Code (E1x16) and Bond Deletion Match SSN (E1x17) not on input transaction

08-187 Bond Add Data Code (E1x01) is equal to 'A' and Bond Delete Data Code (E1x02) is equal to 'D' and Bond Segment Does not exist

- IF triggering Consistency Edit number is equal to 116
  . Set Gross-to-Net Conedit 286 to ON

- IF triggering Consistency Edit number is equal to 117
  . Set Gross-to-Net Conedit 287 to ON

- IF triggering Consistency Edit number is equal to 118
  . Set Gross-to-Net Conedit 288 to ON

- IF triggering Consistency Edit number is equal to 119
  . Set Gross-to-Net Conedit 289 to ON
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS — MISCELLANEOUS MAINTENANCE

12.16 ROUTINE C116 — U.S. SAVINGS BONDS

Implied Maintenance

- IF a change has been made to an 1100, 1200, 1300, or 1400 level element (A value other than '0' is present in the 11th 12th or 13th occurrence of the array XDEC-SEG-ELMTS);

-- IF BOND ADD;
  .. Move in the Employee ID to the proper occurrence into the Bond Array.

-- IF BOND DELETE;
  --- IF the Savings Bond Denomination (before explicit maintenance) NOT = spaces and BOND-DELDENOM = Bond Denomination (before explicit maintenance) and the BOND-DELOWNSSN = Bond owner SSN (before explicit maintenance) and the BOND-DELOWNSSN NOT = zeros and BOND-DELDENOM NOT = spaces;

  ... Initialize Bond Occurrence.

-- IF BOND CHANGE;
  --- IF the Savings Bond Denomination (before explicit maintenance) NOT = spaces and BOND-DELDENOM = Bond Denomination (before explicit maintenance) and the BOND-DELOWNSSN = Bond owner SSN (before explicit maintenance)

  ... Initialize those Bond Occurrence elements that were NOT changed AND NOT equal to initial values.

  - BOND-DENOM-CODE (E1X03)
  - BOND-OWNER-SSN (E1X04)
  - BOND-OWNER-NAME (E1X05)
  - BOND-OWNER-NAME2 (E1X06)
  - BOND-OWNER-STREET1 (E1X07)
  - BOND-OWNER-STREET2 (E1X08)
  - BOND-OWNER-CITY (E1X09)
  - BOND-OWNER-STATE (E1X10)
  - BOND-OWNER-ZIP1 (E1X11)
  - BOND-OWNER-ZIP2 (E1X12)
  - BOND-BENEFICIARY-CODE (E1X13)
  - BOND-BENEFICIARY-NAME1 (E1X14)
  - BOND-BENEFICIARY-NAME2 (E1X15)
Implied Maintenance (Cont.)

- IF the Bond Denomination Code is INVALID
  . Set the Bond Deduction Amount (G balance) to ZERO
- ELSE
  . Set the Bond Deduction Amount to the IDC-BOND-DED-AMT for the corresponding Denomination amount.
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.17 ROUTINE C120 - VISION

Routine Type: C
Routine No: 120
Module: PPEC120
Description: OPTICAL/VISION INSURANCE CON EDITS

Data Elements: 0347 0348 0349 0360 0378

Called Mods: none

Consistency Edits

08-163 Vision Plan Code (E0347) is not blank and Vision Plan Coverage code (E0348) is blank

08-164 Vision Plan Code (E0347) is not blank and Vision Plan Coverage Effective Date (E0349) is equal to zero

08-165 Vision Plan code (E0347) is blank and at least one of the following data elements is non-blank or non-zero:

- Vision Plan Coverage Code (E0348)
- Vision Plan Coverage Effective Date (E0349)

08-166 Assigned BELI (E0360) is not equal to '1' and Optical Opt-out Indicator (E0378) is not equal to 'X' and at least one of the following data elements is non-blank or non-zero:

- Vision Plan Code (E0347)
- Vision Plan Coverage Code (E0348)
- Vision Plan Coverage Effective Date (E0349)

08-307 Optical Opt-out Indicator (E0378) is equal to 'X' and at least one of the following data elements is non-blank or non-zero:

- Vision Plan Code (E0347)
- Vision Plan Coverage Code (E0348)
- Vision Plan Coverage Effective Date (E0349)
12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.17 ROUTINE C120 - VISION

Implied Maintenance

Vision OPT-OUT = 'X'

- If the Optical Plan (before explicit maintenance) = spaces and any one of, Optical Plan, Optical Coverage or Optical Effective Date are present (after explicit maintenance);

  . Initialize Optical Plan, Optical Coverage, and Optical Effective Date

  . Issue Message M12323

- If the Optical Plan (before explicit maintenance) Not = spaces ;

  . Issue Message M12324

  . Initialize Optical Plan, Optical Coverage, and Optical Effective Date

Optical OPT OUT NOT = 'X' and BELI-NUMERIC-VALUE > 1

- If Optical Plan (after explicit maintenance) NOT = spaces;

  . Reset Optical Plan, Optical Coverage, and Optical Effective Date back to their original values before the update.

  . Issue Message M12325
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.17 ROUTINE C120 - VISION

Implied Maintenance (Cont.)

Optical OPT out NOT = 'X' and BELI-NUMERIC-VALUE = 1

- If Optical Plan (after explicit maintenance) = spaces and Optical Plan (before explicit maintenance) = spaces and Optical OPT-OUT NOT = 'D';
  . Enroll in Base Optical
  .. Set Optical Plan to 'V1'
  .. Set Optical Coverage to 'U'
  .. If Hire Date = SCR Current date
    ... Set Optical Effective Date to Hire Date
    Else:
    ... Set Optical Effective Date to First of the Month Date

- If Optical Plan (after explicit maintenance) = spaces and Optical Plan (before explicit maintenance) NOT = spaces and Optical OPT-OUT NOT = 'D';
  . Reset Optical Plan, Optical Coverage, and Optical Effective Date back to their original values before the update.
  . Issue Message M12326

- If Optical Plan (after explicit maintenance) NOT = spaces;
  -- If Optical Coverage = spaces;
  .. Set Optical Coverage to 'U'
  -- If Optical Effective Date = zero;
  --- If Hire Date = SCR Current date;
  ... Set Optical Effective Date to Hire Date
  --- ELSE IF Hire Date NOT = SCR Current Date;
  ... Set Optical Effective Date to First of the Month Date
  -- If Optical OPT-OUT NOT = spaces;
  .. Set Optical OPT-OUT to spaces
Routine Type: C  
Routine No: 121  
Module: PPEC121  
Description: LEGAL INSURANCE CON EDITS  
Data Elements: 0353 0354 0355 0360  
Called Mods: none

**Consistency Edits**

08-260  Legal Plan Coverage Code (E0354) is blank and at least one of the following data elements is non-blank or non-zero;
  - Legal Plan Code (E0353)
  - Legal Plan Coverage Effective Date (E0355)

08-261  Legal Plan Coverage Effective Date (E0355) is blank and at least one of the following data elements is non-blank or non-zero;
  - Legal Plan Code (E0353)
  - Legal Plan Coverage Code (E0354)

08-262  Legal Plan Code (E0353) is blank and at least one of the following data elements is non-blank or non-zero;
  - Legal Plan Coverage Code (E0354)
  - Legal Plan Coverage Effective Date (E0355)

08-263  Assigned BELI (E0360) is not equal to '1' and at least one of the following data elements is non-blank or non-zero:
  - Legal Plan Code (E0353)
  - Legal Plan Coverage Code (E0354)
  - Legal Plan Coverage Effective Date (E0355)
Implied Maintenance

- If any one of ; Legal Plan, Legal Coverage, or Legal Effective Date are present and not all three are present;
  . Initialize Legal Plan, Legal Coverage and Legal Effective Date.

- IF Legal Plan, Legal Coverage and Legal Effective Date are present and BELI-NUMERIC-VALUE NOT = 1 and any one of the elements have changed;
  . Reset Legal Plan, Legal Coverage, and Legal Effective Date back to their original values before the update.
  . Issue Message M12328
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.19 ROUTINE C122 - EXECUTIVE LIFE

Routine Type: C  
Routine No: 122  
Module: PPEC122  
Description: EXECUTIVE LIFE INSURANCE

Data Elements: 0358 0359

Called Mods: none

Consistency Edits

08-331 Executive Life Insurance Change Flag (E0358) is equal to 'R' (Reinstatement) and the Executive Life Change Date (E0359) is not entered.

Implied Maintenance

None
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.20 ROUTINE C123 - TRIP DATA

Routine Type: C
Routine No: 123
Module: PPEC123
Description: TRIP DATA IMPLIED MAINTENANCE

Elements: 0482 0483 0484

Consistency Edits

08-451 All three valid Trip Data Elements Required
12-451

Implied Maintenance :

- IF ( TRIP-PERCENT (E0482) = 0010
AND TRIP-DURATION (E0483) = 0012
AND TRIP-BEGIN-DATE (E0484) > ZERO)

OR ( TRIP-PERCENT (E0482) = 0010
AND TRIP-DURATION (E0483) = 0018
AND TRIP-BEGIN-DATE (E0484) > ZERO)

OR ( TRIP-PERCENT (E0482) = 0015
AND TRIP-DURATION (E0483) = 0012
AND TRIP-BEGIN-DATE (E0484) > ZERO)

OR ( TRIP-PERCENT (E0482) = 0015
AND TRIP-DURATION (E0483) = 0018
AND TRIP-BEGIN-DATE (E0484) > ZERO)

OR ( TRIP-PERCENT (E0482) = 0020
AND TRIP-DURATION (E0483) = 0012
AND TRIP-BEGIN-DATE (E0484) > ZERO)

OR ( TRIP-PERCENT (E0482) = 0020
AND TRIP-DURATION (E0483) = 0018
AND TRIP-BEGIN-DATE (E0484) > ZERO)

OR ( TRIP-PERCENT (E0482) = 0025
AND TRIP-DURATION (E0483) = 0012
AND TRIP-BEGIN-DATE (E0484) > ZERO)

OR ( TRIP-PERCENT (E0482) = 0025
AND TRIP-DURATION (E0483) = 0018
AND TRIP-BEGIN-DATE (E0484) > ZERO)
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.20 ROUTINE C123 - TRIP DATA

Implied Maintenance (Cont.)

    OR ( TRIP-PERCENT (E0482) = ZERO
         AND TRIP-DURATION (E0483) = ZERO
         AND TRIP-BEGIN-DATE (E0484) = ZERO)

    . Continue

- ELSE

    . Set TRIP-PERCENT (E0482) to SAVE-TRIP-PERCENT
    . Set TRIP-DURATION (E0483) to SAVE-TRIP-DURATION
    . Set TRIP-BEGIN-DATE (E0484) to SAVE-TRIP-BEGIN-DATE
    . Issue Message M12541
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.21 ROUTINE C124 - BELI QUALIFIER

Routine Type: C
Routine No: 124
Module: PPEI124
Description: BELI STATUS QUALIFIER MAINTENANCE

Elements: 0240 0241 0242 0243
Actions: 01 02

The BELI-STATUS-QUALIFIERS module will SET a 'BELI-STATUS-QUAL-SW' to identify the requesting function. The following function codes will be defined:

<table>
<thead>
<tr>
<th>FUNCTION</th>
<th>EXECUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>INIT BELI QUALIFIERS (Implied Maintenance)</td>
</tr>
<tr>
<td>E</td>
<td>EDIT BELI QUALIFIERS (Consistency Edits)</td>
</tr>
<tr>
<td>B</td>
<td>BOTH 'I' AND 'E'</td>
</tr>
</tbody>
</table>

**Consistency Edits**

<table>
<thead>
<tr>
<th>Date</th>
<th>Message Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08-196/12-054</td>
<td>Missing PRI-STAT-QUAL-CODE when SEC-STAT-QUAL-CODE present</td>
</tr>
<tr>
<td>08-197/12-055</td>
<td>Missing PRI-STAT-QUAL-CODE when PRI-STAT-QUAL-DATE present</td>
</tr>
<tr>
<td>08-198/12-056</td>
<td>Missing SEC-STAT-QUAL-CODE when SEC-STAT-QUAL-DATE present</td>
</tr>
<tr>
<td>08-199/12-057</td>
<td>Missing PRI-STAT-QUAL-DATE when PRI-STAT-QUAL-CODE present</td>
</tr>
<tr>
<td>08-200/12-058</td>
<td>Missing SEC-STAT-QUAL-DATE when SEC-STAT-QUAL-CODE present</td>
</tr>
</tbody>
</table>
EDB MAINTENANCE RE-ENGINEERING

12.0 Routine Definitions - Miscellaneous Maintenance

12.21 Routine C124 - BELI Qualifier

Implied Maintenance

- IF PRI-STAT-QUAL-CODE (E0240) = SAVE-PRI-STAT-QUAL-CODE
  AND PRI-STAT-QUAL-CODE NOT = SPACES
  . Set PRI-STAT-QUAL-CODE (E0240) to spaces

- IF PRI-STAT-QUAL-DATE (E0241) = SAVE-PRI-STAT-QUAL-DATE
  AND PRI-STAT-QUAL-DATE NOT = ISO-ZERO-DATE
  . Set PRI-STAT-QUAL-DATE (E0241) to ISO-ZERO-DATE

- IF SEC-STAT-QUAL-CODE (E0242) = SAVE-SEC-STAT-QUAL-CODE
  AND SEC-STAT-QUAL-CODE NOT = SPACES
  . Set SEC-STAT-QUAL-CODE (E0242) to spaces

- IF SEC-STAT-QUAL-DATE (E0243) = SAVE-SEC-STAT-QUAL-DATE
  AND SEC-STAT-QUAL-DATE NOT = ISO-ZERO-DATE
  . Set SEC-STAT-QUAL-DATE (E0243) to ISO-ZERO-DATE
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.22 ROUTINE I125 - JAN1 AGE CALCULATION

Routine Type:  I
Routine No:  125
Module:  PPEI125
Description:  EMPLOYEE AGE ON JANUARY 1ST

Elements:  0107 0254

Consistency Edits
None

Implied Maintenance

- IF  BIRTH-DATE (E0107) NOT = ZERO
  . COMPUTE AGE-JAN1 (E0254) = SCR-PROCESS-DATE
    - BIRTH-DATE
    - 1

-- IF  BIRTH-DATE-MONTH = 1
  AND BIRTH-DATE-DAY = 1
    . ADD 1 TO AGE-JAN1 (E0254)
12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.23 ROUTINE I126 - NDI MAINTENANCE

Routine Type: I
Routine No: 126
Module: PPEI126
Description: NDI MAINTENANCE
Elements: 0107 0254

Consistency Edits

08-089 Retirement Code and NDI Code NOT Compatible

Implied Maintenance

- IF NDI-CODE (E0123) = SPACES

-- IF RET-ELIG-CODE = UCRS-RETR-ND
   OR UCRS-RETR
   OR PERS-RETR
   OR UCRS-RETR-FY-ND
   OR PERS-RETR-FY-ND
   OR FCSRS-RETR-FY-ND
   OR SCERA-RETR-FY-ND
   OR OCERS-RETR-FY-ND
   OR FCSRS-RETR
   OR SCERA-RETR
   OR OCERS-RETR

.. SET NDI-CODE (E0123) to 'A'
.. SET NDI-COVEFFDATE (E0453) to BELI-EFF-DATE

- IF RET-ELIG-CODE = NO-RETR-PLAN
  OR SFHBR-RETR
  OR NOT-ELIG

  Set NDI-CODE (E0123) to 'A'
  Set NDI-COVEFFDATE (E0453) to ISO-ZERO-DATE
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.24 ROUTINE I199 - BENEFIT DE-ENROLLMENTS

Routine Type: I
Routine No: 199
Module: PPEI199
Description: BELI PAYROLL DE-ENROLLMENTS

Consistency Edits

None

Implied Maintenance

AUTOMATIC LIFE INSURANCE DE-ENROLLMENT

- IF LIFE-DENROLL NOT = Spaces
  
  . Set the LIFE-DENROLL (E0155) to spaces
  . Set the Life Insurance Suspended Deduction balance to zero.
  . Set the Life Insurance Plan (E0276) to spaces
  . Set the Life Insurance Salary Base (E0275) to zero
  . Set the Life Insurance Coverage Effective Date (E0277) to zero
  . Issue Message M12030

AUTOMATIC DEPENDENT LIFE INSURANCE DE-ENROLLMENT

- IF DEP-LIFE-DEENROLL flag NOT = Spaces
  
  . Set the DEP-LIFE-DEENROLL flag (E0166) to spaces
  . Set the Dependent Life Suspended Deduction balance to zero
  . Set the Dependent Life Indicator (E0278) to spaces
  . Set the Dependent Life Coverage Effective Date to (E0188) to zero
  . Issue Message M12038

AUTOMATIC AD&D DE-ENROLLMENT

- IF ADD-DEENROLL flag NOT = Spaces

  . Set the ADD-DEENROLL flag (E0156) to spaces
  . Set the AD&D Suspended deduction balance to zero
  . Set the AD&D Coverage Code (E0281) to spaces
  . Set the AD&D Principal Sum (E0280) to zero
  . Set the AD&D Coverage Effective Date (E0282) to zero
  . Issue Message M12031
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.24 ROUTINE I199 - BENEFIT DE-ENROLLMENTS

Implied Maintenance (Cont.)

AUTOMATIC EPD DE-ENROLLMENT

- IF EPD-DEENROLL flag NOT = Spaces
  . Set the EPD-DEENROLL flag (E0234) to spaces
  . Set the EPD Suspended deduction balance to zero
  . Set the EPD Salary Base (E0232) to zero
  . Set the EPD Waiting Period (E0231) to zero
  . Set the EPD Earnings Effective Date (E0233) to zero
  . Issue Message M12022

AUTOMATIC HEALTH DE-ENROLLMENT

- IF HLTH-DEENROLL flag NOT = Spaces
  . Set the HLTH-DEENROLL flag (E0158) to spaces
  . Set the Health Plan suspended deduction balance to zero
  . Set the Health Plan Code (E0292) to spaces
  . Set the Health Plan Coverage Code (E0293) to spaces
  . Set the Health Plan Coverage Effective Date (E0294) to zero
  . Set HLTH-OPTOUT (E0377) to 'D'
  . Issue Message M12033

AUTOMATIC DENTAL DE-ENROLLMENT

- IF DENTAL-DEENROLL flag NOT = Spaces
  . Set the DENTAL-DEENROLL flag (E0159) to spaces
  . Set the Dental Plan suspended deduction balance to zero
  . Set the Dental Plan Code (E0272) to spaces
  . Set the Dental Plan Coverage Code (E0273) to spaces
  . Set the Dental Plan Coverage Effective Date (E0274) to zero
  . Set DENTAL-OPTOUT (E0378) to 'D'
  . Issue Message M12036
EDB MAINTENANCE RE-ENGINEERING

12.0 ROUTINE DEFINITIONS - MISCELLANEOUS MAINTENANCE

12.24 ROUTINE I199 - BENEFIT DE-ENROLLMENTS

Implied Maintenance (Cont.)

AUTOMATIC VISION DE-ENROLLMENT

- IF VIS-DEENROLL flag NOT = Spaces
  . Set VIS-DEENROLL flag (E0187) to spaces
  . Set Vision Plan suspended deduction balance to zero
  . Set the Vision Plan Code (E0347) to spaces
  . Set the Vision Plan Coverage Code (E0348) to spaces
  . Set the Vision Plan Coverage Effective Date (E0349) to zero
  . Set VIS-OPTOUT (E0379) to 'D'
  . Issue Message M12035

AUTOMATIC LEGAL DE-ENROLLMENT

- IF LEGAL-DEENROLL flag NOT = Spaces
  . Set LEGAL-DEENROLL flag (E0165) to spaces
  . Set Legal Plan suspended deduction balance to zero
  . Set the Legal Plan Code (E0353) to spaces
  . Set the Legal Plan Coverage Code (E0354) to spaces
  . Set the Legal Plan Coverage Effective Date (E0355) to zero
  . Issue Message M12037

SEPARATION / INACTIVE DE-ENROLLMENT

- IF ALL benefit plan De-enrollment flags are set on (not spaces) for an employee, and the Employment Status is 'I' or 'S', and the Separation Date or Last Payroll Activity Date is more than two months old;
  . All of the employee's deduction amounts ('G' and 'D' balances) for all GTN items with a Group Code of either 'M' (Miscellaneous) or 'I' (Insurance) specified on the GTN Table, are set to ZERO.
  . All of the employee's Suspended balances ('S' balance > zero) are cleared and warning messages are generated for any Pre-paid balances ('S' balance < zero) which exist (for GTN Group Codes of 'M' and 'I' only).
  . Issue De-enrollment Message M12034
13.0 ROUTINE DEFINITIONS - SET TRANS MAINTENANCE

13.1 ROUTINE C701 - FINANCIAL AID (FNA)

Routine Type: C
Routine No: 701
Module: PPEC701
Description: SET TRANS - FINANCIAL AID

Data Elements: 0602 0603 0604 0605 0606 0607 0608 0609

Consistency Edits

08-285/ 12-285 A/D/C Code (E0609) must be an 'A' when adding a new entry

08-286/ 12-286 A/D/C Code (E0609) must be a 'C' when updating an existing entry

08-287/ 12-287 Fiscal Year values (E0602) are not concurrent (i.e. 8990, 9192 etc.)

08-295 Attempting to delete a Current Fiscal Year Work Study Program (E0602) when WSP earnings are present

08-298/ 12-298 Set Control Key Anamoly

08-299/ 12-299 Set Transaction Logic Error

Implied Maintenance

- IF FINAID-ADC-CODE (ENTRY-X) = Delete Action
  
  Initialize FINAID-ARRAY (ENTRY-X)

  Elements:

  .. E0603
  .. E0604
  .. E0605
  .. E0606
  .. E0607
  .. E0608
EDB MAINTENANCE RE-ENGINEERING

13.0 ROUTINE DEFINITIONS - SET TRANS MAINTENANCE

13.2 ROUTINE C702 - WORK STUDY (FNW)

Routine Type:  C
Routine No:  702
Module:  PPEC702
Description:  SET TRANS - WORK STUDY

Data Elements:  0612 0613 0614 0615 0616 0619 0622

Consistency Edits

08-285/  12-285  A/D/C Code (E0609) must be an 'A' when adding a new entry

08-286/  12-286  A/D/C Code (E0609) must be a 'C' when updating an existing entry

08-287/  12-287  Fiscal Year values (E0602) are not concurrent (i.e. 8990, 9192 etc.)

08-295  Attempting to delete a Current Fiscal Year Work Study Program (E0602) when WSP earnings are present

08-290  Invalid Work Study Department (E0614), Work Study Department not on Department Table.

08-291  Non-Blank Work Study Department (E0614) entered when a blank Work Study Department already exists

08-292  Blank Work Study Department (E0614) entered when a Non-blank Work Study Department already exists

08-293  Fiscal Year to Date Work Study Wages (E0619) exceed Work Study Program Limit (E0615)

08-294  Work Study Limit (E0615) has already been established for another Work Study Department with the same Work Study Program.

08-295  Attempting to delete a Current Fiscal Year Work Study Program (E0612) when WSP earnings are present

08-289/  12-289  Set Control Key Anomaly

08-299/  12-299  Set Transaction Logic Error
EDB MAINTENANCE RE-ENGINEERING

13.0 ROUTINE DEFINITIONS - SET TRANS MAINTENANCE

13.2 ROUTINE C702 - WORK STUDY (FNW)

Implied Maintenance

- IF WORK-STUDY-ADC-CODE (ENTRY-X) = Delete Action
  
  . Initialize WORK-STUDY-ARRAY (ENTRY-X)

  Elements:

  .. E0612
  .. E0613
  .. E0614
  .. E0615
  .. E0616
  .. E0617
  .. E0618
  .. E0619
Routine Type: C
Routine No: 703
Module: PPEC703
Description: SET TRANS CONEDITS - LAYOFF

Data Elements: 0462 0463 0464 0465 0466 0467 0468 0469 0470 0471 0472 0473 0474 0475 0476 0477 0478 0479

Consistency Edits

08-400 Invalid Layoff Unit Code (LOF/CTL)
08-401 Invalid Layoff Title Code (LOF/CTL)
08-402 Invalid Layoff Department Code (LOF/CTL)
08-403 Layoff Percent of Time not entered, required
08-404 Layoff Salary not entered, required
08-405 Layoff Salary Indicator not entered, required
08-407 Begin or End Date not entered for Pref Rehire
08-408 Perf Rehire Begin Date not Prior to Perf Rehire Expiration Date
08-409 Susp Begin/Term Date not Prior to Perf Rehire Exp
08-410 Susp/Term Reason Code not entered for Pref Rehire
08-411 Susp Begin/Term Date not entered for Pref Rehire
08-412 Susp End Date not after Pref Rehire Susp Begin Date for Pref Rehire
08-413 Recall Begin and Expiration Date required for Recall Action
08-414 Recall Begin must be prior to Recall Exp
EDB MAINTENANCE RE-ENGINEERING

13.0 ROUTINE DEFINITIONS - SET TRANS MAINTENANCE

13.3 ROUTINE C703 - LAYOFF (LOF)

Consistency Edits (Cont.)

08-415 Recall Susp Begin/Term Date must be Prior to Recall Exp Date
08-416 Recall Susp/Term Reason Code not entered, required
08-417 Recall Susp Begin/Term Date not entered, required
08-418 Recall Susp End Date must be after Recall susp Begin Date

08-419/12-285 A/D/C Code (E0609) must be an 'A' when adding a new entry
08-420/12-286 A/D/C Code (E0609) must be a 'C' when updating an existing entry
08-421 Rehired employee has Layoff Data Present
08-289/12-289 Set Control Key Anamoly
08-299/12-299 Set Transaction Logic Error

Implied Maintenance

- IF LAYOFF-ADC-CODE (ENTRY-X) = Delete Action
  . Initialize LAYOFF-ARRAY (ENTRY-X)

Elements:

.. E0462 .. E0471
.. E0463 .. E0472
.. E0464 .. E0473
.. E0465 .. E0474
.. E0466 .. E0475
.. E0467 .. E0476
.. E0468 .. E0477
.. E0469 .. E0478
.. E0470 .. E0479
EDB MAINTENANCE RE-ENGINEERING

14.0 ROUTINE DEFINITIONS - OTHER MAINTENANCE

14.1 ROUTINE C798 - BRSC EFFECTIVE DATE

Routine Type: C
Routine No: 798
Module: PPECGTE
Description: GTN EFFECTIVE DATE MAINTENANCE

Trigger: Conditional on XDEC (6000) or XDEC (7000) NOT = ZERO

Consistency Edits

The XDEC-ARRAY will be Maintained for all GTN (6nnn) and BRSC (7nnn) element maintenance. Currently only subscript 6000 and 7000 are maintained on the XDEC-ARRAY for these elements. By setting both 6000, 6nnn and 7000, 7nnn we will have both a trigger to determine if any GTN or BRSC elements have changed as well as the specific elements which have changed (i.e. 6nnn, 7nnn). This will enable us to only scrutinize those occurrences (elements) which have changed.

08-320/12-340 The value of the Effective Date Indicator on the GTN Table is blank (deduction not defined as effective date sensitive) and the Deduction Effective Date on the BRS Table is NOT equal to zero

08-321/12-341 The value of the Effective Date Indicator on the GTN Table is 'N' (deduction does not allow an effective date) and the BRSC Deduction Effective Date is NOT equal to zero

08-322/12-342 The Deduction balance (6nnn-G) is greater than zero and the Deduction Effective Date on the BRS Table is equal to zero and the Deduction Effective Date Indicator is equal to 'V'

08-324/12-344 The Deduction Effective Date on the BRS Table has been changed and the corresponding Deduction balance (6nnn-G) has NOT changed and the Effective Date Indicator is equal to 'V'

08-332/12-352 The Deduction balance (6nnn-G) is NOT greater than zero and the Deduction Effective Date on the BRS Table is NOT equal to zero

150
Implied Maintenance

The XDEC-ARRAY will be Maintained for all GTN (6nnn) and BRSC (7nnn) element maintenance. Currently only subscript 6000 and 7000 are maintained on the XDEC-ARRAY for these elements. By setting both 6000, 6nnn and 7000, 7nnn we will have both a trigger to determine if any GTN or BRSC elements have changed as well as the specific elements which have changed (i.e. 6nnn, 7nnn). This will enable us to only scrutinize those occurrences (elements) which have changed.

- PERFORM
  VARYING BRSC-SUB from +1 by +1 until
  BRSC-SUB > 300
  OR BRSC-EFFDT-GTN-NUM (BRSC-SUB) = SPACES
  . Compute GTN-INDEX = BRSC-EFFDT-GTN-NUM (BRSC-SUB) + 6000
  . Compute BRS-INDEX = BRSC-EFFDT-GTN-NUM (BRSC-SUB) + 7000
  -- IF XDEC-ARRAY (GTN-INDEX) NOT = ZERO
     or XDEC-ARRAY (BRS-INDEX) NOT = ZERO
     --- If BRSC Deduction Eff Date is NOT Numeric
        ... Set BRSC Deduction Eff Date to ZERO
     --- If SAVE-BRSC Deduction Eff Date is NOT Numeric
        ... Set SAVE-BRSC Deduction Eff Date to ZERO
     --- If BRSC Eff Date ICED Indicator = spaces and
        EBSA Deduction Eff Date Not = zero;
        ... Issue Message M12340
        ... Set EBSA Deduction Eff Date to zero
     --- IF BRSC Eff Date ICED Indicator = 'N' and EBSA
        Deduction Eff Date Not = zero;
        ... Issue Message M12341
        ... Set EBSA Deduction Eff Date to the BRSC
        Eff Date (before explicit maintenance)
EBM MAINTENANCE RE-ENGINEERING

14.0 ROUTINE DEFINITIONS - OTHER MAINTENANCE

14.1 ROUTINE C798 - BRSC EFFECTIVE DATE

Implied Maintenance (Cont.)

--- If EBSA Balance Amount \((n,1)\) > zero and EBSA Deduction Eff Date = zero and BRSC Eff Date ICED Indicator = 'V';

... Issue Message M12342
... Reset EBSA Balance Amount \((n, 1)\)

--- If EBSA Deduction Eff Date NOT = BRSC Eff Date (before explicit maintenance) and EDSA Balance Amount has been changed;

... Issue Message M12344

--- If EDSA Balance Amount NOT > zero and EBSA Deduction Eff Date Not = Zero;

... Issue Message M12352
... Set EBSA Deduction Eff Date to zeros
EDB MAINTENANCE RE-ENGINEERING

14.0 ROUTINE DEFINITIONS - OTHER MAINTENANCE

14.2 ROUTINE C799 - MINIMUM DATA

Routine Type: C
Routine No: 799
Module: PPECMIN
Description: MINIMUM DATA EDITS
Reference: MINIMUM-DATA-EDITS-7000

Consistency Edits

08-124/12-050 Employee Name (EDB 0105) NOT entered (equal to spaces)
08-125/12-050 Hire Date (EDB 0113) NOT entered (equal to zeros)
08-126/12-050 Citizen Code (EDB 0109) NOT entered (equal to spaces)
08-127/12-050 Social Security Number (EDB 0111) NOT entered (equal to zero)
08-128/12-050 Birth Date (EDB 0107) NOT entered (equal to zeros)
08-129/12-050 Student Status (EDB 0119) NOT entered (equal to zeros)
08-130/12-050 FICA Eligibility Code (EDB 0120) NOT entered (equal to spaces)
08-132/12-050 Address Line 1 (EDB 0204) NOT entered (equal to spaces)
08-133/12-050 Address City (EDB 0206) NOT entered (equal to spaces)
08-134/12-050 Address State (EDB 0207) NOT entered (equal to spaces), AND Foreign Address Indicator is NOT equal to 'F', AND Foreign Address Country is equal to spaces, AND Foreign Address Postal Code is equal to spaces, AND Foreign Address Province is equal to spaces
Consistency Edits (Cont.)

08-135/12-050  Address Zip Code (EDB 0208) is NOT entered (equal to spaces), AND Foreign Address Indicator is NOT equal to 'F', AND Foreign Address Country is equal to spaces, AND Foreign Address Postal Code is equal to spaces, AND Foreign Address Province is equal to spaces.

Implied Maintenance

o IF a Minimum Data error has occurred
  . Set MIN-RCD-FLAG (E0145) to '1'
EDB MAINTENANCE RE-ENGINEERING

15.0 ROUTINE DEFINITIONS - GTN MAINTENANCE

15.1 ROUTINE G079 - CAL CASUALTY

Routine Type: G
Routine No: 079
Module: PPEG079
Description: GROSS TO NET ELEMENT 079 - CAL CAS HOME/AUTO
Reference: CAL-CAS-RTN-7825

Data Elements: 0185 6079

Consistency Edits

Currently this routine is being invoked as a result of the CON-EDIT-17-SW being set ON or the CBUC-UPDATE-SW being set ON. The CON-EDIT-17-SW is currently being set ON when any deduction maintenance is being processed, thus causing the edit to be executed regardless if any CAL-CAS related elements are being updated. The CBUC-UPDATE-SW was being set ON by PPCB01 when it has detected a change in Collective Bargaining Unit data. There was no reason to edit the CAL CAS deductions as a result of this action, but since the union dues deduction edits were included in the same paragraph, the edit was being triggered anyway. This Union Dues Logic, has since been commented out. The CAL-CAS edit will no longer require execution as a result of the CBUC-UPDATE-SW being set on.

The new Con Edit Switch on the GTN Table will be set ON for GTN element 079 to trigger this GTN edit. In addition, the Data Element Table will now include a set of GTN element entries to trigger GTN element edits as a result of Data Element Updates. Data Element 0185 will be assigned GTN element number 079 on the Data Element Table.

08-143/ The California Casualty Deduction Indicator (E0185)
12-143 is equal to 'N', AND one or both of the corresponding deduction (079G, 079D) balances are NOT equal to zero.

Implied Maintenance

- IF CAL-CAS-DED-IND (E0185) = CAL-CAS-NO-DED
  AND ( EDSA-BALAMT (079, G-BAL) NOT = ZERO
        OR EDSA-BALAMT (079, D-BAL) NOT = ZERO )

  . Issue Message M12143
  . Set EDSA-BALAMT (079, G-BAL) TO ZERO
  . Set EDSA-BALAMT (079, D-BAL) TO ZERO
15.0 ROUTINE DEFINITIONS - GTN MAINTENANCE

15.2 ROUTINE G225 - DEPENDENT CARE

Routine Type: G
Routine No: 225
Module: PPEG225
Description: GROSS TO NET ELEMENT 225 EDIT - DEPENDENT CARE

Consistency Edits

08-308/  Dependent Care GTN Deduction (6225-G) is NOT equal
to zero and Assigned BELI (E0360) is '4', '5', '6',
'7', '8', '9', or '?'

12-330

Implied Maintenance

0  IF  Dependent Care GTN Deduction (6225-G) is NOT = zero
AND BELI-NUMERIC-VALUE > 3

.  Set Dependent Care Ded (225G) to zero
EDB MAINTENANCE RE-ENGINEERING

15.0 ROUTINE DEFINITIONS - GTN MAINTENANCE

15.3 ROUTINE G283 - DCP PLAN

Routine Type: G
Routine No: 283
Module: PPEG283
Description: GROSS TO NET ELEMENT 283 - DCP PLAN

Data Elements: 0122 6283

Called Mods: none

Consistency Edits

12-223 DCP Plan deduction amount (6283-G) is NOT equal to zero and RETR-ELIG-CODE (E0122) NOT equal to UCRS-RETR-ND and NOT equal to UCRS-RETR-FY-ND

Implied Maintenance

0 IF DCP Plan deduction amount (283G) NOT = zero AND NOT UCRS-RETR-ND AND NOT UCRS-RETR-FY-ND

. Set DCP Plan Deduction Amount (283G) to zero
EDB MAINTENANCE RE-ENGINEERING

15.0 ROUTINE DEFINITIONS - GTN MAINTENANCE

15.4 ROUTINE G286 - U.S. SAVINGS BONDS

Routine Type: G
Routine No: 286
Module: PPEG286
Description: GROSS TO NET ELEMENT 286,287,288,289 - BONDS

Data Elements: 1103 1203 1303 1403
6286 6287 6288 6289

Current functionality

Currently this routine is being invoked as a result of the CON-EDIT-17-SW being set ON or the CBUC-UPDATE-SW being set ON. The CON-EDIT-17-SW is currently being set ON when any deduction maintenance is being processed, thus causing the edit to be executed regardless if any Bond related elements are being updated. The CBUC-UPDATE-SW was being set ON by PPCB01 when it detected a change in Collective Bargaining Unit. There was no reason to edit the Bond deductions as a result of this action, but since the union dues deduction edits were included in the same paragraph, the edit was being triggered anyway. This Union Dues Logic, has since been commented out. The Bond deduction edit will no longer require execution as a result of the CBUC-UPDATE-SW being set ON.

The Con Edit Switch on the GTN Table will be set ON for GTN elements 286 287 288 and 289. In addition, the Data Element Table will now include a set of GTN element entries to trigger GTN element edits as a result of Data Element Updates. Elements 1104, 1204, 1304, and 1404 will be assigned the corresponding GTN number on the Data Element Table.

Consistency Edits

08-170 Bond Deduction (GTN 286-289) Amount is inappropriate for the bond denomination (E1x03) associated with the bond segment.
EDB MAINTENANCE RE-ENGINEERING

15.0 ROUTINE DEFINITIONS - GTN MAINTENANCE

15.4 ROUTINE G286 - U.S. SAVINGS BONDS

Implied Maintenance (08)

- If BOND-DENOM-CODE (BOND-INDX) is a Valid Denomination
  - IF BOND-INDX = 1 AND CON-EDIT-SW (116) = ON
    . Set Bond1 Deduction Amt (286G) to IDC-BOND-PARAMTBL-AMT (DENOM-MATCH)
  ELSE
  - IF BOND-INDX = 2 AND CON-EDIT-SW (117) = ON
    . Set Bond2 Deduction Amt (287G) to IDC-BOND-PARAMTBL-AMT (DENOM-MATCH)
  ELSE
  - IF BOND-INDX = 3 AND CON-EDIT-SW (118) = ON
    . Set Bond3 Deduction Amt (288G) to IDC-BOND-PARAMTBL-AMT (DENOM-MATCH)
  ELSE
  - IF BOND-INDX = 4 AND CON-EDIT-SW (119) = ON
    . Set Bond4 Deduction Amt (289G) to IDC-BOND-PARAMTBL-AMT (DENOM-MATCH)

ELSE

- IF BOND-INDX = 1
  . Set Bond1 Deduction Amt (286G) to zero
ELSE
- IF BOND-INDX = 2
  . Set Bond2 Deduction Amt (287G) to zero
ELSE
- IF BOND-INDX = 3
  . Set Bond3 Deduction Amt (288G) to zero
ELSE
- IF BOND-INDX = 4
  . Set Bond4 Deduction Amt (289G) to zero
16.0 ROUTINE DEFINITIONS - IMPLIED MAINTENANCE

16.1 ROUTINE I202 - UI ELIGIBILITY

Routine Type: I  
Routine No: 202  
Module: PPEI202  
Description: UNEMPLOYMENT INSURANCE ELIG MAINTENANCE  
Reference: IMPLIED-MAINTENANCE-5000

- IF STUDENT-STATUS = NOT REGISTERED ('1') OR STUDENT-STATUS = NOT REGISTERED-DE ('2')
  . SET UI-ELIG-CODE TO 'C'

- ELSE
  IF STUDENT-STATUS = UNDERGRADUATE ('3') OR STUDENT-STATUS = GRADUATE ('4')
  . SET UI-ELIG-CODE TO 'N'
16.0 ROUTINE DEFINITIONS - IMPLIED MAINTENANCE

16.2 ROUTINE I203  - APPT WOS / PREV APPT WOS

Routine Type:  I
Routine No:  203
Module:  PPEI203
Description:  APPT WOS / PREV APPT WOS MAINTENANCE

- FOR EACH JOB APPOINTMENT
  -- IF TIME-RPT-CODE = WOS-TIME
     .. Set APPT-WOS-IND (APPT, 1) TO YES
     .. Set PREV-APPT-WOS (APPT, 1) TO YES
  -- IF there are Distributions WITHOUT SALARY AND, NO Distributions WITH SALARY
     .. Set APPT-WOS-IND (APPT, 1) TO YES
     .. Set PREV-APPT-WOS (APPT, 1) TO YES
  -- IF the Appt WITHOUT SALARY Indicator (APPT-WOS-IND (APPT,1)) is = 'YES' and there are Distributions WITH SALARY
     .. Issue Message M08-029
  -- IF APPT-DURATION (APPT, 1) = 'I' or 'E' or 'T', AND
      APPT-END-DATE (APPT, 1) = zeros
     .. Set APPT-END-DATE (APPT, 1) to '9999-12-31'
The Action Code Derivation Routine (Processing Group 0001) will only be executed under the following conditions:

- When no actions are entered
- When the NULL Action is entered "91" and NO other actions were entered.

**Action Code Derivations**

**ACTION 06**
Separation Date (E0140) has been updated and the Separation Date is not equal to zero.

**ACTION 09**
Action Code 07 and 08 have NOT been entered, and the leave of Absence Return Date has been updated, and the value of the Leave of Absence Return Date before and after the update was NOT equal to zero.
EDB MAINTENANCE RE-ENGINEERING

16.0 ROUTINE DEFINITIONS - IMPLIED MAINTENANCE

16.4 ROUTINE I402 - UNCONDITIONAL IMPLIED MAINTENANCE

Routine Type: I
Routine No: 402
Module: PPEI402
Description: MISCELLANEOUS UNCONDITIONAL MAINTENANCE

Reference: IMPLIED-MAINT-PERS-EXIT-5999

Trigger: EXPLICIT MAINTENANCE

SEE SOURCE LISTING
16.0 ROUTINE DEFINITIONS - IMPLIED MAINTENANCE

16.5 ROUTINE I403 - UNCONDITIONAL IMPLIED MAINTENANCE COSTING ACTION

Routine Type: I
Routine No: 403
Module: PPEI403
Description: COSTING ACTION / RATE CHANGE MAINTENANCE

Reference: CHG-PAYRT-5723
Trigger: EXPLICIT MAINTENANCE

SEE SOURCE LISTING
EDB MAINTENANCE RE-ENGINEERING

16.0 ROUTINE DEFINITIONS - IMPLIED MAINTENANCE

16.6 ROUTINE IS02 - UNCONDITIONAL IMPLIED MAINTENANCE PRIMARY PAY SCHED

Routine Type: I
Routine No: 502
Module: PPEI502
Description: PRIMARY PAY SCHEDULE DERIVATION
Reference: PERIODIC-MAINTENANCE-AFTER-6500
Trigger: UNCONDITIONAL

For Each Appointment

. SET WORK-PAY-SCHEDULE TO PAY-SCHEDULE (APPT-PNTR, 1)

- IF WORK-PAY-SCHEDULE = IDC-PAY-HIER1
  . SET PAY-SCHED-1 TO 1
ELSE IF WORK-PAY-SCHEDULE = IDC-PAY-HIER2
  . SET PAY-SCHED-2 TO 1
ELSE IF WORK-PAY-SCHEDULE = IDC-PAY-HIER3
  . SET PAY-SCHED-3 TO 1
ELSE IF WORK-PAY-SCHEDULE = IDC-PAY-HIER4
  . SET PAY-SCHED-4 TO 1

End

. COMPUTE SUMM-PAY-SCHED = PAY-SCHED-1 +
  PAY-SCHED-2 +
  PAY-SCHED-3 +
  PAY-SCHED-4.

- IF SUMM-PAY-SCHED NOT = 1
  -- IF SUMM-PAY-SCHED = ZERO
  --- IF PRI-PAY-SCHED = SPACES
  ... SET PAY-SCHED-1 TO 1
ELSE
  . SET PAY-SCHED-1 TO ZERO
  . SET PAY-SCHED-2 TO ZERO
  . SET PAY-SCHED-3 TO ZERO
  . SET PAY-SCHED-4 TO ZERO

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EDB MAINTENANCE RE-ENGINEERING

16.0 ROUTINE DEFINITIONS - IMPLIED MAINTENANCE

16.6 ROUTINE I502 - UNCONDITIONAL IMPLIED MAINTENANCE
PRIMARY PAY SCHED

-- For Each Job Appointment

--- IF APPT-BEGIN-DATE > PROCESS-DATE
    OR APPT-END-DATE < PROCESS-DATE

... Set SAVE-PAY-SCHED TO WORK-PAY-SCHED

ELSE

---- IF WORK-PAY-SCHEDULE = IDC-PAY-HIER1

    .... SET PAY-SCHED-1 TO 1

    ELSE IF WORK-PAY-SCHEDULE = IDC-PAY-HIER2

    .... SET PAY-SCHED-2 TO 1

    ELSE IF WORK-PAY-SCHEDULE = IDC-PAY-HIER3

    .... SET PAY-SCHED-3 TO 1

    ELSE IF WORK-PAY-SCHEDULE = IDC-PAY-HIER4

    .... SET PAY-SCHED-4 TO 1

-- End Loop

-- IF PAY-SCHED-1 +
    PAY-SCHED-2 +
    PAY-SCHED-3 +
    PAY-SCHED-4 = ZERO

--- IF PRI-PAY-SCHED = SPACES

... Set PRI-PAY-SCHED (E0152) TO
    SAVE-PAY-SCHED

- IF PAY-SCHED-1 = 1
  . SET PRI-PAY-SCHED (E0152) TO IDC-PAY-HIER1
ELSE IF PAY-SCHED-2 = 1
  . SET PRI-PAY-SCHED (E0152) TO IDC-PAY-HIER2
ELSE IF PAY-SCHED-3 = 1
  . SET PRI-PAY-SCHED (E0152) TO IDC-PAY-HIER3
ELSE IF PAY-SCHED-4 = 1
  . SET PRI-PAY-SCHED (E0152) TO IDC-PAY-HIER4
ELSE IF PAY-SCHED-2 = 1
EDB MAINTENANCE RE-ENGINEERING

16.0 ROUTINE DEFINITIONS - IMPLIED MAINTENANCE

16.7 ROUTINE I503 - UNCONDITIONAL IMPLIED MAINTENANCE
HOMEDEP

Routine Type: I
Routine No: 503
Module: PPEI503
Description: HOMEDEP MAINTENANCE
Reference: PERIODIC-MAINTENANCE-AFTER-6500
Trigger: UNCONDITIONAL

Scan the Job Appointments until the FIRST Distribution is
found (DIST-NUM not = zero).

- Using the Distribution ACCT Location, Account, and Fund

  . CALL PPINAPP
  . Set HOMEDEPARTMENT (E0114) to XAFI-AR-DEPT-CD

- IF NO distributions were found

  . Set HOMEDEPARTMENT (E0114) to 999999

NOTE:

This Home Department Derivation process is executed three
times within USER12, once for Action Code 01, once for Action
Code 02 and once unconditionally. In all cases, the HOMEDEPARTMENT is only derived if it is equal to SPACES. It may
deeem appropriate to either develop a procedure division copy
book or a utility subroutine to perform this task. Of course
the Implied Maintenance Routine PPEI503 could be called from
the Action Maintenance Modules 01 and 02.
EDB MAINTENANCE RE-ENGINEERING

16.0 ROUTINE DEFINITIONS - IMPLIED MAINTENANCE

16.8 ROUTINE I504 - UNCONDITIONAL IMPLIED MAINTENANCE
LEAVE FLAG

Routine Type: I
Routine No: 504
Module: PPEI504
Description: LEAVE FLAG DERIVATION

Reference: PERIODIC-MAINTENANCE-AFTER-6500
           (NEW) 6550-LEAVE-FLAG-DERIVATION

Trigger: UNCONDITIONAL

SEE SOURCE LISTING
16.9 ROUTINE I505 - UNCONDITIONAL IMPLIED MAINTENANCE

CBUC BRSC

Routine Type:  I
Routine No:  505
Module:  PPEI505
Description:  CBUC BRSC MAINTENANCE

Reference:  (OLD) PERIODIC-MAINTENANCE-AFTER-6500

(NEW) 6570-CBUC-BRSC-MAINTENANCE

Trigger:  UNCONDITIONAL

SEE SOURCE LISTING
EDB MAINTENANCE RE-ENGINEERING

16.0 ROUTINE DEFINITIONS - IMPLIED MAINTENANCE

16.10 ROUTINE I506 - UNCONDITIONAL IMPLIED MAINTENANCE
    LEAVE HISTORY

Routine Type: I
Routine No: 506
Module: PPEI506
Description: LEAVE HISTORY MAINTENANCE

Reference: PERIODIC-MAINTENANCE-AFTER-6500

Trigger: UNCONDITIONAL

SEE SOURCE LISTING
EDB MAINTENANCE RE-ENGINEERING
17.0 ROUTINE DEFINITIONS - SHARED PERIODIC MAINTENANCE
17.1 ROUTINE M106 - U.C. PAID LIFE

Routine Type: M
Routine No: 106
Module: PPEM106
Description: U.C. PAID LIFE INSURANCE MAINTENANCE
Reference: PERIODIC-MAINTENANCE-AFTER-6500
Trigger: UNCONDITIONAL

- IF XPGT-PROCESS-ID = 13 (Periodic Maintenance Call)
  -- IF Employment Status NOT = 'S', AND Employment Status NOT =: 'I', AND the Employment Status before explicit maintenance was = 'S' (i.e. going from Separated to Active)
    .. Set LIFE-UCPAIDAMT (E0451) to spaces
    .. Set LIFE-UCPD-EFFDATE (E0330) to zeros

- IF LIFE-UCPAIDAMT = spaces, AND Retirement Eligibility Code (RET-ELIG-CODE) NOT = spaces, 'N', or 'H', AND Employment Status NOT = 'S' or 'I'
  .. Set UC-PAID-LI-COMPUTE-LI-FLAG to 'Y'
  .. Set UC-PAID-LI-BASIS to zero
  .. Set UC-PAID-LI-SUB-DIST-TIME to zero

For Each Appointment

- If Appt-Begin-Date (APPT-PNTR, 1) > 1-MO-PRIOR-DATE OR APPT-WOS-IND-DOS (APPT-PNTR, 1) = WOS
  . Set Future-APPT-SETUP to TRUE
  (Used to reset the generated Separation Date)

- IF COMPUTE-UC-PAID-LIFE
  AND NO-UC-PAID-LIFE-COMPUTE-ERROR
  AND APPT-BEGIN-DATE (APPT-PNTR, 1) NOT > PROCESS-DATE
  AND APPT-END-DATE (APPT-PNTR, 1) > PROCESS-DATE
  -- IF RATE-CODE (APPT-PNTR, 1) NOT = 'A', 'B', 'H'
     OR PAY-SCHEDULE (APPT-PNTR, 1) NOT = 'SM', 'MO', 'MA', 'BW'
     .. SET UC PAID-LI-COMPUTE-ERROR TO TRUE
For Each Distribution within each Appointment

- IF PAY-BEGIN-DATE (CURR-APPT-PNTR, DIST-PNTR) > 1-MO-PRIOR-DATE
  
  . Set Future-APPT-SETUP to TRUE
  (Used to reset the generated Separation Date)

- IF DONT-COMPUTE-UC-PAID-LIFE
  OR UC-PAID-LIFE-COMPUTE-ERROR
  OR PAY-BEGIN-DATE (CURR-APPT-PNTR, DIST-PNTR) > PROCESS-DATE
  OR PAY-END-DATE (CURR-APPT-PNTR, DIST-PNTR) NOT > PROCESS-DATE

  . CONTINUE

ELSE

  . SEARCH DOS TABLE FOR MATCH WITH DIST-DOS

-- IF NO TABLE MATCH FOUND

  .. SET UC-PAID-LIFE-COMPUTE-ERROR TO TRUE

ELSE

  --- IF DOTS-INS-BEN-IND (matched table entry) = 'Y'

    ---- IF DIST-PERCENT (CURR-APPT-PNTR, *)
              NOT NUMERIC OR EQUAL ZERO

      .... SET UC-PAID-LIFE-COMPUTE-ERROR TO TRUE

    ---- ELSE

      .... RE-COMPUTE UC-PAID-LIFE-BASIS

Performed After Processing All Appointments/Distributions

- IF COMPUTE-UC-PAID-LIFE
  AND NO-UC-PAID-LIFE-COMPUTE-ERROR
  AND UC-PAID-LI-SUM-DIST-TIME > 1.000

  . SET UC-PAID-LI-COMPUTE-ERROR TO TRUE
17.0 ROUTINE DEFINITIONS - SHARED PERIODIC MAINTENANCE
17.1 ROUTINE M106 - U.C. PAID LIFE

- IF UC-PAID-LIFE-COMPUTE-ERROR
  . Issue Message 12094

- IF DONT-COMPUTE-UC-PAID-LIFE
  OR UC-PAID-LIFE-COMPUTE-ERROR
  . CONTINUE
ELSE

-- IF RET-ELIG-CODE = 'P' OR '2'
  .. SUBTRACT PERS-LI FROM UC-PAID-LI-BASIS
  END-IF

  . ADD 999.9 TO UC-PAID-LI-BASIS

  . SET UC-PAID-LI-BASIS-LOW-ORDER-DIGITS TO ZERO

-- IF RET-ELIG-CODE NOT = 'P' OR '2'

--- IF UC-PAID-LI-BASIS > MAX-UC-PD-LI-NONPERS
  ... SET UC-PAID-LI-BASIS TO MAX-UC-PD-LI-NONPERS
ELSE

--- IF UC-PAID-LI-BASIS > MAX-UC-PD-LI-PERS
  ... SET UC-PAID-LI-BASIS TO MAX-UC-PD-LI-PERS

  . SET LIFE-UCPAIDAMT TO UC-PAID-LI-BASIS-HI-ORDER-DIGITS
  . SET LIFE-UCPD-EFFDATE TO BELI-EFF-DATE
EDB MAINTENANCE RE-ENGINEERING

17.0 ROUTINE DEFINITIONS - SHARED PERIODIC MAINTENANCE

17.2 ROUTINE M109 - APPOINTMENT DEPT DERIVATION

IMPLIED MAINTENANCE

DETAIL DESIGN DOCUMENT

ROUTINE DEFINITION - UNCONDITIONAL IMPLIED MAINTENANCE (ALL)

Routine Type: M
Routine No: 109
Module: PPEM109
Description: APPOINTMENT DEPARTMENT DERIVATION

Reference: PERIODIC-MAINTENANCE-AFTER-6500

Trigger: UNCONDITIONAL

- IF EMP-STATUS NOT = SEPARATED

-- IF CONSISTENCY-EDIT-SW (01) IS ON
OR CONSISTENCY-EDIT-SW (02) IS ON
OR CONSISTENCY-EDIT-SW (03) IS ON
OR CONSISTENCY-EDIT-SW (51) IS ON
OR CONSISTENCY-EDIT-SW (53) IS ON
OR XPGT-PROCESS-ID = 13

.. CALL 'PPAPTDPT' for Job Appointment Department Derivation

.. CALL 'PPAPTRAT' for Job Appointment Pay Rate Derivation
EDB MAINTENANCE RE-ENGINEERING

17.0 ROUTINE DEFINITIONS - SHARED PERIODIC MAINTENANCE

17.3 ROUTINE M111 - BELI RE-DERIVATION

Routine Type: M
Routine No: 111
Module: PPEM111
Description: BELI RE-DERIVATION

Reference: PERIODIC-MAINTENANCE-AFTER-6500

Trigger: UNCONDITIONAL

SEE PERIODIC MAINTENANCE DESIGN: PPP130
EDB MAINTENANCE RE-ENGINEERING

17.0 ROUTINE DEFINITIONS - SHARED PERIODIC MAINTENANCE

17.4 ROUTINE M112 - JGI DERIVATION

Routine Type: M
Routine No: 112
Module: PPEM112
Description: JOB GROUP ID (JGI) DERIVATION TRIGGER

Data Elements: 0460

<table>
<thead>
<tr>
<th>Job</th>
<th>2006 2007 2012 2056 2086 2126 2156 2186 2226</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2256 2286</td>
</tr>
<tr>
<td></td>
<td>2306 2307 2312 2356 2386 2426 2456 2486 2526</td>
</tr>
<tr>
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<td>2556 2586</td>
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<tr>
<td></td>
<td>2906 2907 2912 2956 2986 3026 3056 3086 3126</td>
</tr>
<tr>
<td></td>
<td>3156 3186</td>
</tr>
<tr>
<td></td>
<td>3206 3207 3212 3256 3286 3326 3356 3386 3426</td>
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<td>4106 4107 4112 4156 4186 4226 4256 4286 4326</td>
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<td></td>
<td>4356 4386</td>
</tr>
<tr>
<td></td>
<td>4406 4407 4412 4456 4486 4526 4556 4586 4626</td>
</tr>
<tr>
<td></td>
<td>4656 4686</td>
</tr>
</tbody>
</table>

Reference: DERIVE-JGI-1000000

One of the criteria for triggering JGI Maintenance is based on the explicit or implicit maintenance of one of the JGI significant elements. Currently these element definitions reside within working storage. These elements are used to check the XDEC Array to determine if any of the defined JGI trigger elements have changed. This triggering logic will be replaced with a data element table trigger 501. Implied Maintenance Trigger 501 will be attached to all data elements currently defined as "JGI Trigger Elements" within Working Storage of USER08, and USER12.

Since this trigger is only one of the criteria which can cause JGI Maintenance to occur, the existing search logic will be replaced with a simple check against the Implied Maintenance Trigger number 501. The POST-PROCESS within PPP120 will build three trigger arrays based on the triggers passed on the Activity Record.
DERIVE-JGI

- IF Employment Status NOT = (S)eparated
  . Set JGI-STATUS-CHANGE to false

-- IF REQUESTED-BY-PERIODIC-MAINTENANCE(13)
  .. Check JGI Appointment Status

-- IF Implied-Maint-Trigger (501) = 'ON'
  OR ( JGI-DEPT-OPTION NOT = ZERO
       AND HQME-DEPT has changed)
  OR JGI-STATUS-CHANGE is True

  .. CALL PPTITLE
  .. Set Primary Title (E0460) to PTC-PRIMARY-TITLE
  .. Set Job Group Id (E0461) to PTC-JOB-GROUP
EDB MAINTENANCE RE-ENGINEERING

17.0 ROUTINE DEFINITIONS - SHARED PERIODIC MAINTENANCE

17.5 ROUTINE M114 - BELI ACTIONS UPDATE

Routine Type: M
Routine No: 114
Module: PPEM114
Description: BELI ACTIONS UPDATE

Reference: PERIODIC-MAINTENANCE-AFTER-6500
UPDATE-BELI-ACTIONS-6656

Trigger: UNCONDITIONAL

SEE PERIODIC MAINTENANCE DESIGN: PPP130
17.6 ROUTINE M116 — EXECUTIVE LIFE / SEVERANCE

Routine Type: M
Routine No: 116
Module: PPEM116
Description: EXECUTIVE LIFE / EXECUTIVE SEVERANCE MAINT

Reference: PERIODIC-MAINTENANCE-AFTER-6500
EXEC-LIFE-MAINT-8930

Trigger: UNCONDITIONAL

Called Mods: PPEXECFLF PPEXECSP

This logic is shared by both Monthly Periodic Maintenance (PPP130) and Implied Maintenance (USER12) processing. The logic is identical except for the generation of Change Records (AUDITING-RESPONSIBILITIES-9050) in USER12 and PPP130. In order to share common maintenance, we will establish an "Auditing Responsibilities Array" which will occur 200 times. Each time an element is updated, the data element number will be moved to the next available entry in the array. AUDIT-INDEX will be initialized prior to the execution of the Implied Maintenance Processing Group. After the Implied Maintenance Processing Group has completed, the AUDIT-INDEX will be checked for a value greater than zero. The checking of the AUDIT array will only occur in those "Application Drivers" which require the production of change records. In the case of USER08, the Array will be ignored.

- IF EXEC-LIFE-CHANGE NOT equal to spaces, AND EXEC-LIFECHGDATE NOT greater than the FIRST-OF-THE-MONTH-DATE

-- IF EXEC-LIFECHANGE-OPT-OUT

.. Set EXEC-LIFEFLAG (E0356) TO 'X'
.. Set EXEC-LIFECHANGE (E0358) TO spaces
.. Set EXEC-LIFECHGDATE (E0359) TO zeros
.. Set AUDIT-INDEX up by 1
.. Set AUDIT-ARRAY (AUDIT-INDEX) TO 0356
.. Set AUDIT-INDEX up by 1
.. Set AUDIT-ARRAY (AUDIT-INDEX) TO 0358
.. Set AUDIT-INDEX up by 1
.. Set AUDIT-ARRAY (AUDIT-INDEX) TO 0359
.. Set CHECK-EXEC-LIFE-ELIG-FLAG TO 'Y'
EDB MAINTENANCE RE-ENGINEERING

17.0 ROUTINE DEFINITIONS - SHARED PERIODIC MAINTENANCE

17.6 ROUTINE M116 - EXECUTIVE LIFE / SEVERANCE

-- ELSE IF EXEC-LIFECCHANGE-REINSTATE

--- IF EXEC-LIFECCHGDATE NOT equal to zeros

... Set EXEC-LIFEFLAG (E0356) TO '2'
... Set EXEC-LIFE-EFFDATE (E0452) TO EXEC-LIFECCHGDATE (E0359)
... Set EXEC-LIFECCHGDATE (E0359) TO zeros
... Set EXEC-LIFECCHANGE (E0358) TO spaces
... Set AUDIT-INDEX up by 1
... Set AUDIT-ARRAY (AUDIT-INDEX) TO 0356
... Set AUDIT-INDEX up by 1
... Set AUDIT-ARRAY (AUDIT-INDEX) TO 0452
... Set AUDIT-INDEX up by 1
... Set AUDIT-ARRAY (AUDIT-INDEX) TO 0358
... Set AUDIT-INDEX up by 1
... Set AUDIT-ARRAY (AUDIT-INDEX) TO 0359
... Set AUDIT-INDEX up by 1
... Set AUDIT-ARRAY (AUDIT-INDEX) TO 0356
... Set CHECK-EXEC-LIFE-ELIG-FLAG TO 'Y'

--- ELSE

... Issue Message 08-331

- IF CB01-REDERIVE-BELI-FLAG is equal to 'Y'

  . Set CHECK-EXEC-LIFE-ELIG-FLAG TO 'Y'

- IF CHECK-EXEC-LIFE-ELIG-FLAG is equal to 'N', AND EXEC-LIFE-SALARY (E0357) has been updated (DLSEACH NOT = ZERO)

  . Set CHECK-EXEC-LIFE-ELIG-FLAG TO 'Y'
17.0 ROUTINE DEFINITIONS - SHARED PERIODIC MAINTENANCE

17.6 ROUTINE M116 - EXECUTIVE LIFE / SEVERANCE

- IF CHECK-EXEC-LIFE-ELIG-FLAG is equal to 'Y',
  AND (CB01-EXEC-APPT-FLAG is NOT equal to 'N', or
  EXEC-LIFEFLAG is NOT equal to 'N', or
  EXEC-LIFESALARY is NOT equal to zeros)
  AND HIRE-DATE is NOT greater than END-OF-MONTH-DATE

  -- IF EXEC-LIFEFLAG is equal to 'N' or
     EXEC-FIRESALARY is equal to zeros
     
     .. Set XSELF-PROCESS-FLAG TO '4'

  -- ELSE
     
     .. Set XSELF-PROCESS-FLAG TO '2'
     
     .. CALL PPEXECLF

  -- IF XSELF-INELIGIBLE-EMPLOYEE
     
     .. Set XSELF-EFFECTIVE-DATE TO END-OF-MONTH-DATE

     .. CALL PPEXECLF

  --- IF XSELF-INELIGIBLE-EMPLOYEE

     ---- IF EXEC-LIFEFLAG NOT = ZERO

     .... Set EXEC-LIFEFLAG (E0356) to zero
     .... Set AUDIT-INDEX up by 1
     .... Set AUDIT-ARRAY (AUDIT-INDEX) TO 0356
     .... De-Enroll Employee from Dependent
         Life Insurance
     .... Issue Message Mxx234

     ---- IF EXEC-LIFESALARY NOT = ZEROS

     .... Set EXEC-LIFESALARY (E3057) to zero
     .... Set AUDIT-INDEX up by 1
     .... Set AUDIT-ARRAY (AUDIT-INDEX) TO 0357

     ---- IF EXEC-LIFECCHANGE NOT = spaces

     .... Set EXEC-LIFECCHANGE (E0358) to spaces
     .... Set AUDIT-INDEX up by 1
     .... Set AUDIT-ARRAY (AUDIT-INDEX) TO 0358

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EDB MAINTENANCE RE-ENGINEERING

17.0 ROUTINE DEFINITIONS - SHARED PERIODIC MAINTENANCE

17.6 ROUTINE M116 - EXECUTIVE LIFE / SEVERANCE

---- IF EXEC-LIFECHGDATE NOT = ZERO

.... Set EXEC-LIFECHGDATE (E0359) to zero
.... Set AUDIT-INDEX up by 1
.... Set AUDIT-ARRAY (AUDIT-INDEX) TO 0359

---- IF EXEC-LIFEE-EFFDATE NOT = ZERO

.... Set EXEC-LIFE-EFFDATE (E0452) to zero
.... Set AUDIT-INDEX up by 1
.... Set AUDIT-ARRAY (AUDIT-INDEX) TO 0452

---- IF XSELF-INELIGIBLE-EXECUTIVE

.... Issue Message M08-230

--- ELSE

---- IF XSELF-LEVEL-ERROR

.... Issue Message M08-231

---- IF XSELF-ELIG-CK-N-CALC
AND XSELF-SALARY-ERROR

.... Issue Message M08-232

-- ELSE

--- IF XSELF-LEVEL-ERROR

... Issue Message M08-231

--- IF XSELF-ELIG-CK-N-CALC
AND XSELF-SALARY-ERROR

... Issue Message M08-232
EDB MAINTENANCE RE-ENGINEERING

17.0 ROUTINE DEFINITIONS - SHARED PERIODIC MAINTENANCE

17.7 ROUTINE M200 - LAST ACTIONS MAINT

Routine Type: M
Routine No: 200
Module: PPEM200
Description: LAST ACTIONS MAINTENANCE

Reference: (OLD) PERIODIC-MAINTENANCE-AFTER-6500
SET-LAST-ACTIONS-6800

(NEW) 6800-SET-LAST-ACTIONS

Trigger: UNCONDITIONAL

SEE PERIODIC MAINTENANCE DESIGN: PPP130
EDB MAINTENANCE RE-ENGINEERING

18.0 ROUTINE DEFINITIONS - UTILITY MODULES

18.1 UTILITY PPEMPSTA - EMPLOYMENT STATUS MAINTENANCE

Routine Type: N/A
Routine No: N/A
Module: PPEMPSTA
Description: EMPLOYMENT STATUS MAINTENANCE

Reference: EMPLOYMENT-STAT-2020

The Employment Status Maintenance Utility Module will be called by the Implied Maintenance process after all explicit maintenance (PRE12-EXECUTED = 1) modules have executed. The routine will be called from Mainline USER12 during the POST12 Process. Periodic Maintenance will also call the PPEMPSTA Utility module during monthly periodic maintenance, after the monthly employee purge process has completed.
19.0 Appendix - System Flow Diagrams
PROCESSING GROUP 011
PERIODIC MONTHLY MAINTENANCE
AFTER BALANCE CLEAR

PPP130

PPRTNMGR

I125 I502 I504 I505 I199 I506

PBRSC PPRUTRPT

M101 M102 M103 M105 M106 M107 M113 M114 M115 M206

PPBMVRPT

M109 M110 M111 M112 M116

PPATPOPT PPRTRRTI PPRVURRG PCD01 PPBELI PPTITLE PPEXELF PPEXEESP

WRW0010
PROCESSING GROUP 004
FISCAL PERIODIC MAINTENANCE
BEFORE BALANCE CLEAR
Future Use:
Effective Date Simulation

PPRTNMGR

PPEM0010
05/01/89

PPEM0020
03/01/87

PPEM0030
01/01/90

PPEM0040
01/01/90

PPEM0050
03/01/87

PPEY0010
01/01/90

PPEY0020
01/01/90

PPEM0011
07/01/92

PPEM0021
05/01/89

PPEM0041
04/01/91

PPEM0051
07/01/92

PPEY0021
01/01/92

Linked Routing Path

Current Execution Path