AF010R.MBR

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Business Logic for Post Code Register Maintenance

This document outlines the business rules that govern the maintenance of the post code register, based on an analysis of the RPG program AF010R. The primary focus is on the subfile handling and user interactions for managing post codes.

The core logic for post code maintenance is contained within the *inzsr subroutine in AF010R. The program allows users to create, update, delete, and view post codes through a series of subfile interactions and screen displays.

Order Status and Header Rules

Post_Code_Maintenance: aposl1, aposl2, aposlr, aposlu, faf010d

1. Record Selection

•**Logic:** The program selects records based on the user's input for post number or description.

•**File:** aposl1 (Post Number File)

•**Field:** aposl1_ponr

•**Condition:** The process will not select a record if b2ponr is equal to 0 or b2sted is blank.

2. Subfile Display

•**Logic:** The program displays the subfile with the current records based on user actions.

•**File:** faf010d (Workstation Subfile)

•**Field:** b1sfl

•**Condition:** The subfile is cleared and repopulated when the user navigates or performs actions.

Configuration and Authorization Rules

1. User Initialization

•**Logic:** The program initializes user-specific parameters and settings.

•**Files:**

•aposl1 (Post Number File)

•aposl2 (Description File)

•**Fields:**

•l_user (User Identifier from Local Data Area)

•w_firm (Firm Identifier)

•**Condition:** The initialization occurs at the start of the program when the user accesses the maintenance function.

2. Post Code Update

•**Logic:** The program updates the post code record based on user input.

•**File:** aposlu (Post Code Update File)

•**Field:** aposlu_ponr

•**Condition:** The update occurs if the user selects the update option (b1valg = 2).

Financial and Transactional Rules

1. Record Deletion

•**Logic:** The program deletes a post code record based on user confirmation.

•**File:** aposlu (Post Code Update File)

•**Fields:**

•d1ponr (Post Number for Deletion)

•aposlu_ponr (Post Number for Update)

•**Condition:** The deletion is executed if the user selects the delete option (b1valg = 4).

2. Record Creation

•**Logic:** The program creates a new post code record based on user input.

•**File:** aposlu (Post Code Update File)

•**Condition:** The creation occurs when the user selects the create option and the post number is valid.

Special Conditions (Program-Specific)

1. Subfile Refresh (AF010R)

•**Logic:** The program refreshes the subfile to reflect the latest data after any modifications.

•**File:** faf010d (Workstation Subfile)

•**Field:** b1sfl

•**Condition:** The refresh is triggered when the user navigates through the subfile or performs an action that modifies the data.

2. Error Handling (AF010R)

•**Logic:** The program displays error messages for invalid inputs or actions.

•**File:** c1msg (Message Display)

•**Fields:** c1ponr (Post Number)

•**Condition:** Error messages are shown if the user attempts to create or update a record with invalid data.

Subprogram Calls Affecting Logic

Beyond direct file checks, several external subprograms are called that play a significant role in the workflow.

1. dsp_subfile (Display Subfile)

•**Trigger:** Called when the user navigates to view the subfile.

•**Logic:** This subroutine manages the display of records in the subfile.

•**Impact:** This call acts as a **major logical gateway** for user interaction with the post code records.

2. crt_subfile (Create Subfile)

•**Trigger:** Called to populate the subfile with records.

•**Logic:** This subroutine reads records from the database and prepares them for display.

•**Impact:** This is a **destructive filtering step** that ensures only valid records are shown to the user.

3. clr_subfile (Clear Subfile)

- **Trigger:** Called to clear existing records from the subfile.
- **Logic:** This subroutine resets the subfile before new data is loaded.
- **Impact:** This ensures that the subfile reflects the current state of the database without residual data from previous operations.