AF010R.MBR

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Business Logic for Postcode Register Maintenance

This document outlines the business rules that govern the maintenance of the postcode register, based on an analysis of the RPG program AF010R. The primary focus is on the logic surrounding the handling of postcode entries, including creation, updating, deletion, and display of records.

The core logic for managing postcode entries is contained within the subfile subroutine in AF010R . The program processes records from the aposl1, aposl2, and aposlr files, allowing users to view, add, modify, and delete postcode data.

Order Status and Header Rules

Postcode Maintenance: aposl1, aposl2, aposlr

1. Record Retrieval

•**Logic:** The program retrieves postcode records based on user input and populates the subfile for display.

•**File:** aposl1 (Postcode file 1)

•**Field:** aposl1_ponr

•**Condition:** The process will not select a record if b1valg is not equal to 1.

2. Record Update

•**Logic:** If a record is found, it updates the postcode details based on user input.

•**File:** aposlr (Postcode record)

•**Field:** aposlr_ponr

•**Condition:** The update occurs when b1valg is equal to 2.

Configuration and Authorization Rules

1. User Input Validation

•**Logic:** The program checks for valid user input before processing any changes.

•**Files:**

•aposl1 (Postcode file 1)

•aposl2 (Postcode file 2)

•**Fields:**

•b2ponr (Postcode number)

•b2sted (Postcode description)

•**Condition:** The program will prompt for re-entry if b2ponr is equal to 0 or b2sted is blank.

2. Subfile Management

•**Logic:** The program manages the display and navigation of records in the subfile.

•**File:** b1sfl (Subfile for postcode entries)

•**Field:** b1ponr

•**Condition:** The subfile is cleared and repopulated based on the current user selection.

Financial and Transactional Rules

1. Record Deletion

•**Logic:** The program allows for the deletion of a postcode record based on user confirmation.

•**File:** aposlu (Postcode update file)

•**Fields:**

•aposlu_ponr (Postcode number)

•d1ponr (Postcode number for deletion)

•**Condition:** The deletion occurs when b1valg is equal to 4.

2. Record Copying

•**Logic:** The program enables users to copy postcode records to create new entries.

•**File:** aposlu (Postcode update file)

•**Condition:** The copying process is initiated when b1valg is equal to 3.

Special Conditions (Program-Specific)

1. Postcode Retrieval (AF010R)

•**Logic:** The program retrieves the postcode based on user selection and prepares it for further processing.

•**File:** b1sfl (Subfile for postcode entries)

•**Field:** b1ponr

•**Condition:** The retrieval occurs if b1valg is equal to 1. Note: This retrieval is essential for populating the subfile.

2. Display and Edit Screen Handling (AF010R)

•**Logic:** The program handles the display of screens for creating or editing postcode entries.

•**File:** c1bld (Screen for creating new entries)

•**Fields:** c1ponr (Postcode number), c2sted (Postcode description)

•**Condition:** The screen is displayed when the user selects to create or edit a postcode entry.

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 after processing user input to display the current state of the subfile.

•**Logic:** This subroutine manages the display of records in the subfile based on pagination and user selections.

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

2. clr_subfile (Clear Subfile)

•**Trigger:** Invoked before populating the subfile with new records.

•**Logic:** This subroutine clears any existing records in the subfile to prepare for new data.

•**Impact:** This is a **destructive filtering step** ensuring that the subfile only contains relevant data.

3. crt_subfile (Create Subfile)

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

- **Logic:** This subroutine reads records from the database and fills the subfile for display.
- **Impact:** This represents the handoff to the next major business function of displaying and managing postcode records.