VA110R.MBR

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Business Logic for VA110R

This document outlines the business rules that govern the maintenance of units within the ASOFAK system, based on an analysis of the RPG program VA110R. The primary focus is on the processing and management of unit records through subfile interactions and user interface handling.

The core logic for maintaining units is contained within the *inzsr subroutine in VA110R. This subroutine initializes the program, sets up keys for database access, and populates the subfile with unit records.

Order Status and Header Rules

VA110R: venhl1, venhl2, venhlr, venhlu

1. Record Initialization

•**Logic:** The program initializes keys for accessing unit records and sets the firm identifier from the local data area.

•**File:** venhl1 (Unit header file)

•**Field:** w_firm

•**Condition:** The program will not proceed if the firm identifier is not set.

2. Subfile Display Control

•**Logic:** The program checks if there are records to display in the subfile and manages the visibility of the control record.

•**File:** b2cmd (Control record for subfile)

•**Field:** w_srrn

•**Condition:** The subfile display will not show if w_srrn is zero.

Configuration and Authorization Rules

1. Key Setup for Unit Records

•**Logic:** The program establishes keys for positioning on unit records based on firm and unit identifiers.

•**Files:**

•venhl1 (Unit header file)

•venhl2 (Unit description file)

•**Fields:**

•venhl1_eenh (Unit identifier from venhl1)

•venhl2_etxt (Description from venhl2)

•**Condition:** Keys must be set correctly to access and update records.

2. Subfile Clearing

•**Logic:** The program clears the subfile and resets all related counters and indicators.

•**File:** b2ctl (Control record for subfile)

•**Field:** w_srrn
•**Condition:** The subfile must be cleared before new records can be displayed.

Financial and Transactional Rules

1. Record Update Handling
•**Logic:** The program updates existing records in the database based on user input and maintains the integrity of the subfile.
•**File:** venhlur (Unit update file)
•**Fields:**
•vaetxt (Text description of the unit)
•vaeenh (Unit identifier)
•**Condition:** Updates occur only if the record exists and the firm matches.
2. Record Deletion Handling
•**Logic:** The program allows for the deletion of unit records after user confirmation.
•**File:** venhlur (Unit update file)
•**Condition:** Deletion is contingent on user confirmation through the deletion window.

Special Conditions (Program-Specific)

1. Subfile Refresh Logic (VA110R)
•**Logic:** The program refreshes the subfile contents based on user actions and maintains the current state of the display.
•**File:** b1sfl (Subfile for unit records)
•**Field:** b1valg
•**Condition:** The subfile is refreshed only if the user has made changes or navigated through records.
2. Error Handling for Existing Records (VA110R)
•**Logic:** The program checks for existing records before creating new ones and displays a message if a duplicate is found.
•**File:** venhlr (Unit header file)
•**Fields:** c1eenh (Unit identifier), k1eenh (Key for copying)
•**Condition:** If a record with the same identifier exists, the program prompts the user with an error message.

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 to display the contents of the subfile after processing.
•**Logic:** Manages the visibility of records and updates the display based on current record counts.
•**Impact:** This call acts as a **major logical gateway** for user interaction with the subfile.
2. clr_subfile (Clear Subfile)
•**Trigger:** Called to clear the subfile before new data is populated.

•**Logic:** Resets all counters and indicators associated with the subfile.
•**Impact:** This is a **destructive filtering step** that ensures no stale data remains.

3. crt_subfile (Create Subfile)

•**Trigger:** Called to populate the subfile with records based on current selections.
•**Logic:** Reads records from the database and writes them to the subfile for display.
•**Impact:** Represents the handoff to the next major business function of displaying unit records to the user.