

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 ERP system, based on an analysis of the RPG program VA110R. The primary focus is on the subfile processing and user interaction logic.

The core logic for maintaining units is contained within the init subroutine in VA110R. This program manages the display and interaction with subfiles, allowing users to create, update, delete, and view unit records.

Order Status and Header Rules

VA110R: venhl1, venhl2, venh1r, venhlu

1. Record Selection

- **Logic:** The program selects records based on user input for either unit number or description.
- **File:** venhl1 (Unit header file)
- **Field:** venhl1_eenh
- **Condition:** The process will not select a record if b2eenh is blank.

2. Subfile Display Logic

- **Logic:** The program displays a subfile of units based on the current cursor position and user actions.
- **File:** b1sfl (Subfile for unit records)
- **Field:** b1eenh
- **Condition:** The subfile is populated only if the current record number (w_srrn) is not zero.

Configuration and Authorization Rules

1. User Authorization Check

- **Logic:** The program checks if the user is authorized to perform actions based on the current operation.
- **Files:**
 - venh1r (Unit records)
 - venhlu (Unit update records)
- **Fields:**
 - venh1r_eenh (Unit number from venh1r)
 - venhlu_eenh (Unit number from venhlu)
- **Condition:** Actions are only allowed if the user has the necessary permissions.

2. Error Handling

- **Logic:** The program displays error messages when invalid input is detected.
- **File:** c1msg (Message display)
- **Field:** b_anul
- **Condition:** An error message is shown if the input field c2etxt is blank during updates.

Financial and Transactional Rules

1. Record Update Logic

• **Logic:** The program updates unit records based on user input and timestamps.

• **File:** venhlur (Unit update records)

• **Fields:**

• vaetxt (Description)

• vaeeda (Creation date)

• **Condition:** A record is updated if the unit exists and the user has provided a non-blank description.

2. Record Deletion Logic

• **Logic:** The program allows users to delete unit records after confirmation.

• **File:** venhlur (Unit update records)

• **Condition:** A record is deleted if the user confirms the deletion action in the d1win window.

Special Conditions (Program-Specific)

1. Subfile Refresh Logic (VA110R)

• **Logic:** The program refreshes the subfile display after any modification (create, update, delete).

• **File:** b1sfl (Subfile for unit records)

• **Field:** b1eenh

• **Condition:** The subfile is refreshed if b_forn is set to *on* after an operation.

2. Positioning Logic (VA110R)

• **Logic:** The program positions the cursor based on user input for unit number or description.

• **File:** venhl1, venhl2 (Unit records)

• **Fields:** venhl1_eenh, venhl2_etxt

• **Condition:** The cursor is positioned if either b2eenh or b2etxt is not blank.

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 records are processed to display the current subfile.

• **Logic:** This subroutine manages the display of the subfile based on the current record number.

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

2. crt_subfile (Create Subfile)

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

• **Logic:** This subroutine reads records from the database and populates the subfile.

• **Impact:** This is a **destructive filtering step** that ensures only relevant records are displayed.

3. xc2bld (Maintain Unit)

• **Trigger:** Called when the user wants to create or update a unit record.

• **Logic:** This subroutine handles the logic for maintaining unit records, including validation and updates.

- Impact:** Represents the handoff to the next major business function of record maintenance.