

# 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 handling of subfiles, user interactions, and data management related to unit maintenance. The core logic for unit maintenance is contained within the various subroutines in VA110R. The program processes user inputs, manages subfile data, and performs CRUD (Create, Read, Update, Delete) operations on unit records.

## Order Status and Header Rules

VA110R: venhl1, venhl2, venhlr, venhlu

### 1. Unit Selection

- Logic:** The program allows users to select units based on specific criteria such as unit number or description.
- File:** venhl1 (Unit header file)
- Field:** venhl1\_eenh
- Condition:** The process will not select a record if venhl1\_eenh is blank.

### 2. Description Selection

- Logic:** Users can also select units based on their descriptions.
- File:** venhl2 (Unit description file)
- Field:** venhl2\_etxt
- Condition:** The process will not select a record if venhl2\_etxt is blank.

## Configuration and Authorization Rules

### 1. Subfile Initialization

- Logic:** The program initializes subfiles to display unit data and manages user interactions.
- Files:**
  - va110d (Display file for subfile)
  - venhl1, venhl2 (Unit header and description files)
- Fields:**
  - w\_firm (Current firm)
  - venhl1\_eenh (Unit number)
- Condition:** The subfile is populated based on the current firm and user input.

### 2. Error Handling

- Logic:** The program manages error messages and user notifications during data entry and processing.
- File:** b2cmd (Command display file)
- Field:** \*in31
- Condition:** If required fields are blank during input, an error message is displayed.

# Financial and Transactional Rules

## 1. Record Update Logic

- Logic:** The program updates existing unit records based on user inputs and maintains a history of changes.
- File:** venhlur (Unit update file)
- Fields:**
  - vaetxt (Unit description)
  - vaeeda (Date of update)
- Condition:** The record is updated if the unit exists; otherwise, a new record is created.

## 2. Record Deletion Logic

- Logic:** The program allows users to delete unit records after confirmation.
- File:** venhlur (Unit update file)
- Condition:** A record is deleted if the user confirms the deletion action.

# Special Conditions (Program-Specific)

## 1. Subfile Management (VA110R)

- Logic:** The program manages the display and interaction with subfiles, allowing users to navigate through records.
- File:** b1sfl (Subfile for unit records)
- Field:** w\_srrn (Relative record number)
- Condition:** The subfile is refreshed and populated based on user actions and navigation.

## 2. User Interaction Handling (VA110R)

- Logic:** The program processes function keys and user commands to perform actions such as create, update, and delete.
- File:** b2ctl (Control record for subfile)
- Fields:** b1valg (User action selection)
- Condition:** The action is executed based on the function key pressed by the user.

# 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 refresh and display the contents of the subfile.
- Logic:** This subroutine checks if there are records to display and manages the visibility of the command buttons.
- Impact:** This call acts as a **major logical gateway** for user interaction with the subfile.

## 2. crt\_subfile (Create Subfile)

- Trigger:** Invoked to populate the subfile with records based on the current firm and user inputs.
- Logic:** This subroutine reads records from the unit files and prepares them for display in the subfile.
- Impact:** This is a **critical step** in ensuring that users see the correct data for their operations.

### 3. clr\_subfile (Clear Subfile)

- Trigger:** Called to clear the contents of the subfile before repopulating it.
- Logic:** This subroutine resets the subfile indicators and prepares for new data.
- Impact:** This ensures that the subfile is **accurately refreshed** before new data is displayed.