VE110R.MBR

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Business Logic for Vare-enhet Maintenance

This document outlines the business rules that govern the maintenance of item units in the ASOFAK system, based on an analysis of the RPG program VE110R. The primary focus is on the logic for managing item units, including validation, updates, and user interactions.

The core logic for item unit maintenance is contained within the main program logic of VE110R. The program processes item unit records, handles user input, and performs various operations based on function keys.

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Order Status and Header Rules

Vare-enhet Maintenance: vvarl1, vvenl1, vvenlr, vvprl1, vvenlu

1. Record Existence Check

•**Logic:** The program checks if the item record exists before proceeding with any operations.

•**File:** vvarl1 (Item Master File)

•**Field:** vvarl1_key

•**Condition:** The process will not continue if the item record is not found.

2. Item Unit Information Retrieval

•**Logic:** Retrieves item unit details from the vvenl1 file to display on the screen.

•**File:** vvenl1 (Item Unit File)

•**Field:** vvenl1_key

•**Condition:** The program will set the subfile to display item unit information.

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Configuration and Authorization Rules

1. Function Key Handling

•**Logic:** The program responds to specific function keys to trigger different actions, such as updating or changing item units.

•**Files:**

•vvenl1 (Item Unit File)

•vvenlu (Item Unit Update File)

•**Fields:**

•w_firm (Firm Identifier)

•w_vare (Item Identifier)

•**Condition:** Actions are triggered based on user input from function keys (e.g., F13, F15, F17).

2. Input Validation

•**Logic:** Validates user input fields to ensure correct data is entered before updates are made.

•**File:** b1sfl (Subfile for Item Units)

•**Field:** b1omre (Measurement Unit)

•**Condition:** The process will not proceed if validation fails (e.g., measurement unit is zero).

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Financial and Transactional Rules

1. Item Unit Update

•**Logic:** Updates the item unit details in the vvenlu file based on user input.

•**File:** vvenlu (Item Unit Update File)

•**Fields:**

•vvenlu_enhe (Unit of Measure)

•veomre (Measurement Unit)

•**Condition:** The update will only occur if the item unit exists and passes validation checks.

2. Price Validation

•**Logic:** Checks if the item unit has a valid price before allowing it to be selected as a sales unit.

•**File:** vvprl1 (Item Price File)

•**Condition:** The process will block selection if the price is zero or invalid.

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Special Conditions (Program-Specific)

1. Change Item Unit (VE110R)

•**Logic:** Allows the user to change the item unit via a specific function key.

•**File:** vvenl1 (Item Unit File)

•**Field:** vvenl1_key

•**Condition:** This action is only available if the function key is pressed and the item unit exists.

2. Display Subfile (VE110R)

•**Logic:** Displays the subfile with item unit information based on user interaction.

•**File:** b1sfl (Subfile for Item Units)

•**Fields:** b1enhe, b1omre, b1saen (Various item unit attributes)

•**Condition:** The display will update based on the current state of the item unit records.

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Subprogram Calls Affecting Logic

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

1. VV107R (Change Statistical Unit)

•**Trigger:** Called when the user presses F13 to change the statistical unit.

•**Logic:** This program handles the logic for changing the statistical unit of the item.

•**Impact:** This call allows the user to modify the statistical unit associated with the item.

2. VV108R (Change Storage Unit)

•**Trigger:** Called when the user presses F15 to change the storage unit.

•**Logic:** This program manages the change of the storage unit for the item.

•**Impact:** This allows for updates to the storage unit, ensuring accurate inventory management.

3. VV109R (Change Unit)

•**Trigger:** Called when the user presses F17 to change the unit.

•**Logic:** This program facilitates the change of the unit associated with the item.

•**Impact:** Represents a key action in maintaining accurate unit information for items in the system.