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 how item units are managed, validated, and updated within the system.

The core logic for item unit maintenance is contained within the main program logic and several subroutines in VE110R. The program handles user interactions through a display file, processes input for item units, and performs various validations and updates based on user selections.

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Order Status and Header Rules

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

1. Item Unit Existence Check

•**Logic:** The program checks if the item exists in the vvarl1 file before proceeding with maintenance.

•**File:** vvarl1 (Item Master File)

•**Field:** vvarpfr

•**Condition:** The process will not proceed if the item is not found in the vvarl1 file.

2. Item Unit Information Retrieval

•**Logic:** Retrieves item unit information from the vvenl1 file and populates the display subfile.

•**File:** vvenl1 (Item Unit File)

•**Field:** vvenhe

•**Condition:** The program must successfully read the item unit information to continue processing.

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Configuration and Authorization Rules

1. Price Group Retrieval

•**Logic:** The program retrieves the price group associated with the item to ensure correct pricing is applied.

•**Files:**

•vvprl1 (Item Price File)

•vvenl1 (Item Unit File)

•**Fields:**

•vvprl1_prgr (Price Group)

•vvenhe (Unit of Measure)

•**Condition:** The price group must be valid and associated with the item unit for processing.

2. Unit Change Validation

•**Logic:** Validates that the selected unit has a price before allowing it to be set as the sales unit.

•**File:** vvprl1 (Item Price File)

•**Field:** vpsapr

•**Condition:** The unit cannot be selected if its price is zero or invalid.

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Financial and Transactional Rules

1. Update Item Unit Information

•**Logic:** Updates the item unit details such as dimensions, volume, and weight in the vvenlu file.

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

•**Fields:**

•vvenlu_enhe (Unit of Measure)

•veomre (Volume)

•**Condition:** Updates are performed only if the item unit exists and is valid.

2. Price Validation for Suppliers

•**Logic:** Checks if the price for the item unit from the supplier is valid before proceeding with updates.

•**File:** vvprl1 (Item Price File)

•**Condition:** The price must not be zero or invalid to ensure the integrity of pricing data.

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Special Conditions (Program-Specific)

1. Unit Change Functionality (VE110R)

•**Logic:** Allows users to change the unit of measure for the item, invoking specific subprograms for different types of unit changes.

•**File:** vvenl1 (Item Unit File)

•**Field:** vvenhe

•**Condition:** The program will call subprograms based on user function key inputs (e.g., F13 for changing statistics unit).

2. Subfile Processing (VE110R)

•**Logic:** Handles the display and interaction with the subfile that lists item units, allowing users to select and update units.

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

•**Fields:** b1enhe (Unit of Measure), b1omre (Volume)

•**Condition:** The subfile must be populated with valid item units before user interaction.

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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. VL711R (Price Group Retrieval)

•**Trigger:** Called during initialization to retrieve the price group for the item.

•**Logic:** This program fetches the price group based on the item and firm parameters.

•**Impact:** Ensures that the correct pricing structure is applied to the item unit.

2. VV107R (Change Statistics Unit)

•**Trigger:** Invoked when the user selects to change the statistics unit.

•**Logic:** This program handles the logic for updating the statistics unit associated with the item.

•**Impact:** This call ensures that the statistics are accurately maintained for reporting purposes.

3. VV108R (Change Storage Unit)

•**Trigger:** Called when the user opts to change the storage unit for the item.

•**Logic:** This program processes the change of the storage unit and updates relevant records.

•**Impact:** Represents a critical step in maintaining accurate inventory records.

4. VV109R (Change Unit)

•**Trigger:** Invoked when the user selects to change the unit of measure.

•**Logic:** This program manages the logic for changing the unit and updating associated data.

•**Impact:** This is a **major logical gateway** for ensuring that unit changes are correctly processed and reflected in the system.