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 ERP 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 interactions with subfiles. The core logic for maintaining item units is contained within the main program logic of VE110R. The program processes item unit records, allowing users to view, update, and manage various attributes related to item units.

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Order Status and Header Rules

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

1. Record Existence Check

•**Logic:** The program checks if the item exists in the vvarl1 file. If not found, it exits the program.

•**File:** vvarl1 (Item Master File)

•**Field:** vvarpfr

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

2. Retrieve Item Unit Information

•**Logic:** The program retrieves item unit information from the vvenl1 file and prepares the subfile for display.

•**File:** vvenl1 (Item Unit File)

•**Field:** vvenhe

•**Condition:** The process will not populate the subfile if the item unit information cannot be retrieved.

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Configuration and Authorization Rules

1. Subfile Initialization

•**Logic:** The program initializes the subfile to display item units and clears any previous data.

•**Files:**

•vvenl1 (Item Unit File)

•**Fields:**

•b1sfl (Subfile Control)

•**Condition:** The subfile must be cleared before new data is written.

2. Input Validation

•**Logic:** The program validates input fields in the subfile to ensure correct data entry.

•**File:** b1sfl (Subfile)

•**Field:** b1omre

•**Condition:** The process will not allow updates if the measurement unit is invalid.

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Financial and Transactional Rules

1. Update Item Unit

•**Logic:** The program updates the item unit details in the vvenlu file based on user input from the subfile.

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

•**Fields:**

•vvenlu_enhe (Item Unit)

•veomre (Measurement)

•**Condition:** The update will only occur if the item unit exists and is valid.

2. Price Check

•**Logic:** The program checks if the item unit has a valid price before allowing it to be selected for sales.

•**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 Sales Unit (VE110R)

•**Logic:** The program allows the user to change the sales unit if the appropriate function key is pressed.

•**File:** vvenl1 (Item Unit File)

•**Field:** vvenhe

•**Condition:** The change will only occur if the sales unit is valid and the user has permission.

2. Change Warehouse Unit (VE110R)

•**Logic:** The program allows the user to change the warehouse unit based on user input.

•**File:** vvenl1 (Item Unit File)

•**Fields:** vvenhe (Item Unit)

•**Condition:** The change will only be processed if the warehouse unit is valid.

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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 Statistics Unit)

•**Trigger:** Called when the user opts to change the statistics unit.

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

•**Impact:** This call allows for the modification of key unit attributes.

2. VV108R (Change Warehouse Unit)

•**Trigger:** Called when the user opts to change the warehouse unit.

•**Logic:** This program manages the logic for updating the warehouse unit for an item.

•**Impact:** This is a critical step for maintaining accurate inventory records.

3. VV109R (Change Unit)

•**Trigger:** Called when the user opts to switch the unit.

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

•**Impact:** This represents a significant change in how items are managed within the system, affecting inventory and sales processes.