

VE110R.MBR

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Business Logic for VE110R

This document outlines the business rules that govern the maintenance of item units within the ASOFAK ERP system, based on an analysis of the RPG program VE110R. The primary focus is on the logic related to item unit management, including validations, updates, and interactions with subfiles.

The core logic for item unit maintenance is contained within the main program logic and various subroutines in VE110R. The program processes records related to item units, allowing for their creation, modification, and validation based on user inputs and existing data.

Order Status and Header Rules

VE110R: vvarl1, vvenl1, vvprl1, vvenlu, vvenlr

1. Item 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 does not exist in the vvarl1 file.

2. Retrieve Item Unit Information

- Logic:** The program retrieves item unit information from the vvenl1 file and prepares a subfile for display.
 - File:** vvenl1 (Item Unit File)
 - Field:** vvenhe
 - Condition:** The program must successfully read the vvenl1 file to display item unit details.
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Configuration and Authorization Rules

1. Input Validation for Item Units

- Logic:** The program validates input fields for item units, ensuring that necessary fields are filled and correct.
- Files:**
 - b1sfl (Subfile for Item Units)
- Fields:**
 - b1enhe (Item Unit)
 - b1omre (Conversion Factor)
- Condition:** The process will trigger an error if the conversion factor is zero or if the item unit does not match expected values.

2. Change Item Unit

- Logic:** The program allows for changing the item unit through a specific function key, invoking another program for processing.
- File:** vvenl1 (Item Unit File)

- Field:** vvenhe
 - Condition:** The change can only be made if the corresponding function key is pressed.
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Financial and Transactional Rules

1. Update Item Unit Information

- Logic:** The program updates item unit details based on user input and validates against existing data.
- File:** vvenlu (Item Unit Update File)
- Fields:**
 - vvenlu_enhe (Item Unit)
 - veomre (Conversion Factor)
- Condition:** Updates are performed only if the item unit exists in the vvenlu file.

2. Price Validation

- Logic:** The program checks if the price for the item unit is valid based on supplier data.
 - File:** vvprl1 (Item Price File)
 - Condition:** The process will not allow the item unit to be selected if the price is zero or invalid.
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Special Conditions (Program-Specific)

1. Change Sales Unit (VE110R)

- Logic:** The program allows changing the sales unit for the item through a specific function key.
- File:** vvenl1 (Item Unit File)
- Field:** vvenhe
- Condition:** This action is contingent upon the user pressing the designated function key.

2. Update Item Unit Details (VE110R)

- Logic:** The program updates various attributes of the item unit, including dimensions and weight.
 - File:** vvenlu (Item Unit Update File)
 - Fields:** vevolu (Volume), vevekt (Weight)
 - Condition:** Updates are performed only if the item unit exists and 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 Statistical Unit)

- Trigger:** Called when the user opts to change the statistical unit.
- Logic:** This program processes the change of the statistical unit for the item.
- Impact:** This call is essential for maintaining accurate statistical records for the item.

2. VV108R (Change Warehouse Unit)

- Trigger:** Invoked when the user chooses to change the warehouse unit.
- Logic:** This program updates the warehouse unit associated with the item.
- Impact:** Ensures that the correct warehouse unit is linked to the item for inventory management.

3. VV109R (Change Unit)

- Trigger:** Called when the user opts to change the unit of measure.

- Logic:** This program facilitates the change of the unit of measure for the item.

- Impact:** This represents a critical step in ensuring that the item is accurately represented in different units of measure.

This documentation provides a comprehensive overview of the business logic encapsulated within the VE110R program, detailing the rules and processes that govern item unit management in the ASOFAK ERP system.