

VV100R.MBR

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Business Logic for Vare Maintenance

This document outlines the business rules that govern the maintenance of items (varer) in the ASOFAK ERP system, based on an analysis of the RPG program VV100R. The primary focus is on the logic related to item creation, modification, and deletion, as well as the associated validations and user interactions.

The core logic for item maintenance is contained within the xc2bld subroutine in VV100R. This subroutine orchestrates the interactions with the user interface and manages the flow of data related to items, including their creation, modification, and deletion.

Order Status and Header Rules

Vare Maintenance: vvsopf, vvarlr, vvarl1, vvarl2, vvarl3, vvarl4

1. Item Deletion Validation

- Logic:** The program checks if an item is part of any orders before allowing deletion. If the item is found in an order, it cannot be deleted.
- File:** vvarlr (Item Records)
- Field:** b_ordr
- Condition:** "The process will not allow deletion if b_ordr is equal to *ON."

2. Item Status Display

- Logic:** Items that are discontinued or have an expiration date are marked accordingly in the display.
- File:** vvarlr (Item Records)
- Field:** b1tek1
- Condition:** "If the item's expiration date is less than or equal to the current date, it will display '** UTGÅTT **' (discontinued)."

Configuration and Authorization Rules

1. Group Validation

- Logic:** The program validates the item groups (overgruppe, hovedgruppe, undergruppe) to ensure they are correctly set before processing.
- Files:**
 - vvarl6 (Overgruppe)
 - vvarl7 (Hovedgruppe)
- Fields:**
 - b2ogrp (Overgruppe)
 - b2hgrp (Hovedgruppe)
- Condition:** "The process will raise an error if b2ogrp is 0 and b2hgrp is not 0."

2. EAN Number Validation

- Logic:** The program checks if the EAN number is provided and validates it against existing records.

- File:** vvarlr (Item Records)
 - Field:** w_eann
 - Condition:** "The process will not proceed if the EAN number is blank."
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Financial and Transactional Rules

1. Item Creation

- Logic:** When creating a new item, the program checks for existing records to avoid duplication.
- File:** vvarlr (Item Records)
- Fields:**
 - c1vare (New Item Number)
 - w_vare (Item Number)
- Condition:** "If the item already exists, a message will be displayed and the creation will be aborted."

2. Price Code Handling

- Logic:** The program handles item price codes and ensures they are correctly associated with the item.
 - File:** vvarlr (Item Records)
 - Condition:** "The price code must be validated before any item is saved."
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Special Conditions (Program-Specific)

1. Scanning Functionality (VV100R)

- Logic:** The program includes functionality for scanning items using their EAN numbers.
- File:** vvarlr (Item Records)
- Field:** e1eann
- Condition:** "The scanning process will not proceed if the EAN number is blank."

2. Item Copying (VV100R)

- Logic:** The program allows users to copy existing items, ensuring that the copied item does not duplicate existing records.
 - File:** vvarlr (Item Records)
 - Fields:**
 - k1vare (Source Item Number)
 - w_vare (New Item Number)
 - Condition:** "If the source item exists, it will be copied; otherwise, an error will be raised."
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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. VV101R (Item Creation/Modification Program)

- Trigger:** Called during item creation and modification processes.
- Logic:** This program handles the core logic for creating and modifying items, including validations.
- Impact:** "This call acts as a **major logical gateway** for item maintenance."

2. VV490R (Item Deletion Check Program)

- Trigger:** Called when attempting to delete an item.
- Logic:** This program checks if the item is part of any orders or has stock before allowing deletion.
- Impact:** "This is a **critical validation step** that prevents unauthorized deletions."

3. VE710R (EAN Validation Program)

- Trigger:** Called during the scanning process to validate EAN numbers.
- Logic:** This program checks if the provided EAN number corresponds to an existing item.
- Impact:** "This ensures that only valid items are processed during scanning."

This documentation provides a clear overview of the business logic implemented in the VV100R program, focusing on item maintenance within the ASOFAK ERP system.