

VV100R.MBR

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Business Logic for Vare Vedlikehold

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.

The core logic for item maintenance is contained within various subroutines in VV100R. The program interacts with multiple files to manage item data, including checking for existing items, validating item deletions, and updating item information.

Item Status and Header Rules

Vare Vedlikehold: VVSOPF, VVLR, ANOTL1, RLEV1

1. Check Item Existence Before Deletion

- Logic:** The program checks if an item exists in any orders before allowing its deletion.
- File:** VVSOPF (Item Master File)
- Field:** b_ordr
- Condition:** "The item cannot be deleted if it is found in any orders (b_ordr is set to OM)."

2. Display Expired Items

- Logic:** Items that have expired are marked with a specific message in their description.
 - File:** VVSOPF (Item Master File)
 - Field:** vvtek1
 - Condition:** "If the expiration date is less than or equal to the current date, append '*** UTGÅTT ***' to the item description."
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Configuration and Authorization Rules

1. Validate Item Grouping

- Logic:** The program validates the item group before processing.
- Files:**
 - VVSOPF (Item Master File)
 - VVARLR (Deleted Items)
- Fields:**
 - b2ogrp (Overgroup)
 - b2hgrp (Main Group)
- Condition:** "If the overgroup is not specified and the main group is specified, an error is raised."

2. Check for Existing Item During Creation

- Logic:** If an item already exists, the program prompts the user with a message.
 - File:** VVARLR (Item Lookup)
 - Field:** c1vare
 - Condition:** "If the item already exists, display a message and prevent creation."
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Financial and Transactional Rules

1. Handle Item Creation

- Logic:** When creating a new item, the program checks for existing records and updates the subfile accordingly.
- File:** VVARLR (Item Lookup)
- Fields:**
 - b1vare (Item Number)
 - b1tek1 (Item Description)
- Condition:** "If the item number is valid and does not exceed the maximum length, proceed with creation."

2. Update Item Information

- Logic:** The program updates item details in the subfile based on user input.
- File:** VVARLR (Item Lookup)
- Condition:** "If the user selects to update an item, the program retrieves the current details and allows modifications."

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Special Conditions (Program-Specific)

1. Scanning for EAN Numbers (VV100R)

- Logic:** The program allows scanning of items using EAN numbers and validates their existence.
- File:** VVARLR (Item Lookup)
- Field:** w_eann
- Condition:** "If the EAN number is blank, an error is raised. If it exists, the item details are retrieved."

2. Check Item Deletion Conditions (VV100R)

- Logic:** Before deleting an item, the program checks if it is associated with any orders or has stock.
- File:** VVSOPF (Item Master File)
- Fields:** b_ordr, b_lagr
- Condition:** "If the item is found in orders or has stock, the deletion is blocked."

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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 when creating or modifying an item.
- Logic:** Handles the core logic for item creation and updates item details.
- Impact:** "This call acts as a **major logical gateway** for item maintenance."

2. VV490R (Deletion Check Program)

- Trigger:** Called before an item is deleted.
- Logic:** Checks if the item can be deleted based on its associations.
- Impact:** "This program ensures that items are not deleted if they are still in use."

3. VL720R (Expiration Date Check Program)

- Trigger:** Called to retrieve and check expiration dates for items.
- Logic:** Validates the expiration date against current date.
- Impact:** "This program is crucial for maintaining the integrity of item data related to expiration."