

VV100R.MBR

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Business Logic for Vare Vedlikehold

This document outlines the business rules that govern the maintenance of items (Vare) within the ERP system, based on an analysis of the RPG program VV100R. The primary focus is on the logic for creating, updating, and deleting items, as well as handling associated data and user interactions.

The core logic for item maintenance is contained within the various subroutines in VV100R. The program interacts with multiple files to read, write, and update item records, ensuring that all business rules and validations are applied during these operations.

Order Status and Header Rules

Vare Vedlikehold: vvsopf, vvarlr, vvarl1, vvarl2, vvarl3, vvarl4, vvasl1, fstsl1, anotl1, rlevl1

1. Check Item Deletion Eligibility

• **Logic:** An item cannot be deleted if it exists in an order or has stock on hand.

• **File:** vvarlr (Item Records)

• **Field:** b_ordr, b_lagr

• **Condition:** The process will not allow deletion if b_ordr (exists in order) or b_lagr (has stock) is set to *on*.

2. Display Outdated Items

• **Logic:** Items that are outdated will have a special indicator in their description.

• **File:** vvarlr (Item Records)

• **Field:** b1tek1

• **Condition:** If the item's expiration date is past the current date, the description will append "UTGÅTT ***".

Configuration and Authorization Rules

1. Item Group Validation

• **Logic:** Validates that at least one of the item groups is specified before proceeding with operations.

• **Files:**

• vvarlr (Item Records)

• vvarl6, vvarl7, vvarl8 (Item Groups)

• **Fields:**

• b2ogrp (Overgroup)

• b2hgrp (Main Group)

• b2ugrp (Subgroup)

• **Condition:** The process will raise an error if b2ogrp is 0 and b2hgrp or b2ugrp is not 0.

2. Item Creation Restrictions

• **Logic:** Prevents the creation of new items with invalid or duplicate identifiers.

- **File:** vvarlr (Item Records)
- **Field:** c1vare
- **Condition:** If the item number is greater than or equal to 10000000, an error is raised.

Financial and Transactional Rules

1. Item Update Logic

- **Logic:** Updates item details and checks for existing records to prevent duplicates.

- **File:** vvarlr (Item Records)

• **Fields:**

- b1vare (Item Number)

- b1nobb (NOBB Number)

- **Condition:** If the item already exists, the program will prompt the user with a message.

2. Item Copying Logic

- **Logic:** Allows copying of item details to create a new item based on an existing one.

- **File:** vvarlr (Item Records)

- **Condition:** The user must confirm the copy operation, and the copied item must not already exist.

Special Conditions (Program-Specific)

1. Scanning for EAN Numbers (VV100R)

- **Logic:** Validates and processes EAN numbers for items, ensuring they are correctly formatted and exist in the database.

- **File:** vvarlr (Item Records)

- **Field:** e1eann

- **Condition:** If the EAN number is blank, an error is raised. The program checks if the EAN exists in the database.

2. Item Expiration Check (VV100R)

- **Logic:** Checks if an item has an expiration date and updates its status accordingly.

- **File:** vvarlr (Item Records)

- **Fields:** w_udat (Expiration Date), b1tek1

- **Condition:** If the expiration date is past the current date, the item is marked as outdated.

Subprogram Calls Affecting Logic

Beyond direct file checks, several external subprograms are called that play a significant role in the workflow.

1. VV101R (Item Maintenance Subprogram)

- **Trigger:** Called during the creation and updating of items.

- **Logic:** Handles the core logic for maintaining item records, including validations and updates.

- **Impact:** This call acts as a **major logical gateway** for item maintenance.

2. VV490R (Item Deletion Check)

- **Trigger:** Called to determine if an item can be deleted.

- **Logic:** Checks if the item exists in any orders or has stock.

- Impact:** This is a **critical check** that prevents unauthorized deletions.

3. VL720R (Expiration Date Check)

- Trigger:** Called to retrieve and validate the expiration date of items.

- Logic:** Determines if an item is outdated based on its expiration date.

- Impact:** This ensures that users are aware of any items that are no longer valid for sale.