

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 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 details, including creation, updates, and deletions, while ensuring that business rules regarding item status and relationships are adhered to.

Order Status and Header Rules

Vare Vedlikehold: FVVARLR, FVVARL1, FVVARL2, FVVARL3, FVVARL4, FVVARL6, FVVARL7, FVVARL8, FVVASL1

1. Item Deletion Check

• **Logic:** The program checks if an item exists in any orders before allowing deletion.

• **File:** FVVARLR (Item Master File)

• **Field:** B_ORDR

• **Condition:** "The item cannot be deleted if B_ORDR is set to ON."

2. Display Outdated Items

• **Logic:** Items that are outdated are marked with a specific label in the display.

• **File:** FVVARLR (Item Master File)

• **Field:** B1TEK1

• **Condition:** "If the item's expiration date is reached, B1TEK1 is updated to indicate it is UTGÅTT."

Configuration and Authorization Rules

1. Item Creation Validation

• **Logic:** The program validates that new item numbers do not exceed a specified limit.

• **Files:**

• FVVARLR (Item Master File)

• **Fields:**

• C1VARE (New Item Number)

• **Condition:** "New item numbers must be less than 10000000."

2. Item Group Validation

• **Logic:** Ensures that the item belongs to a valid group before processing.

• **File:** FVVARLR (Item Master File)

• **Field:** B2OGR

• **Condition:** "If B2OGR is 0 and B2HGR is not, an error is raised."

Financial and Transactional Rules

1. Update Item Information

- Logic:** When an item is modified, its details are updated in the system.
- File:** FVVARLR (Item Master File)
- Fields:**
 - B1VARE (Item Number)
 - B1TEK1 (Item Description)
- Condition:** "Updates are performed when the item is found in the database."

2. Item Copying Process

- Logic:** Allows for copying item details to create a new item.
- File:** FVVARLR (Item Master File)
- Condition:** "The program checks if the item to be copied exists before proceeding."

Special Conditions (Program-Specific)

1. Scanning Functionality (VV100R)

- Logic:** The program includes a scanning feature for item EAN numbers.
- File:** FVVARLR (Item Master File)
- Field:** E1EANN
- Condition:** "If the EAN number is blank, an error is raised."

2. Item Deletion Confirmation (VV100R)

- Logic:** Confirms whether an item can be deleted based on its status in orders and inventory.
- File:** FVVARLR (Item Master File)
- Fields:**
 - B_LAGR (Inventory Status)
 - B_ORDR (Order Status)
- Condition:** "If B_LAGR is set to ON and the item is in orders, deletion is blocked."

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 an item is created or modified.
- Logic:** This program handles the actual creation and modification of item records.
- Impact:** "This call acts as a **major logical gateway** for item management."

2. VV490R (Deletion Check Program)

- Trigger:** Called to verify if an item can be deleted.
- Logic:** It checks the item's status in orders and inventory.
- Impact:** "This program ensures compliance with business rules regarding deletions."

3. VE710R (EAN Validation Program)

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

This documentation provides a comprehensive overview of the business logic implemented in the VV100R program, focusing on the rules and processes that govern item maintenance within the ERP system.