

JV100R.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 ERP system, based on an analysis of the RPG program JV100R. The primary focus is on the logic surrounding item creation, modification, and querying.

The core logic for item maintenance is contained within various subroutines in JV100R. The program interacts with multiple files to retrieve, update, and display item information, including handling user inputs for various operations.

Item Status and Header Rules

Vare Maintenance: jvarlr, jvarla, jvarlb, jvarlc, jvarl1, jvarl2, jvarl3, jvarl4, jsokl3, jlevl1, jvlelr

1. Display Deleted Items

- Logic:** When an item is marked as deleted, the display text will append '*** SLETTET ***' to indicate its status.

- File:** jvarlr (Item Records)

- Field:** jvstat

- Condition:** If jvstat equals 4, the item is considered deleted.

2. Show Expired Items

- Logic:** If an item is expired according to all price providers, it will show '*** UTGÅTT ***' in the display.

- File:** jvlelr (Logistics Item Records)

- Field:** jvluda

- Condition:** If jvluda is less than the current date and no active records are found, the item is marked as expired.

Configuration and Authorization Rules

1. Validate Item Groups

- Logic:** The program validates the item groups before proceeding with the search. If the upper group is zero and the main group is not, it raises an error.

- Files:**

- jvarla (Upper Group Records)

- jvarlb (Main Group Records)

- Fields:**

- b2ogrp (Upper Group)

- b2hgrp (Main Group)

- Condition:** If b2ogrp is 0 and b2hgrp is not 0, an error is triggered.

2. Check for Existing Items

- Logic:** When creating or modifying an item, the program checks if the item already exists and raises a warning if it does.

- File:** jvarlr (Item Records)
 - Field:** jvarlr_vare
 - Condition:** If the item number exists in jvarlr, a warning message is displayed.
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Financial and Transactional Rules

1. Item Pricing Maintenance

- Logic:** The program allows maintenance of item pricing through a dedicated subroutine.
- File:** jvarlr (Item Records)
- Fields:**
 - w_vare (Item Number)
 - w_pgiv (Price Provider)
- Condition:** If the user selects the option to maintain prices, the JX100R program is called with the item number.

2. Item Deletion with Relationships

- Logic:** When an item is deleted, the program calls another program to handle the deletion of related records.
 - File:** jvarlr (Item Records)
 - Condition:** If the delete option is selected, the program JV400R is called to delete the item and its relationships.
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Special Conditions (Program-Specific)

1. NOBB Information Display (JV100R)

- Logic:** The program displays NOBB information for the item when requested.
- File:** jvarlr (Item Records)
- Field:** jvnobb
- Condition:** If the user presses the function key for NOBB information, the AP633R program is called with the NOBB number.

2. Logistics Item Check (JV100R)

- Logic:** The program checks if the item is a logistics item and updates the display accordingly.
 - File:** jvlelr (Logistics Item Records)
 - Fields:** w_jvqvr (Item Number)
 - Condition:** If the item number is not blank, the program checks for logistics information.
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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. JV101R (Item Creation/Modification)

- Trigger:** Called during the item creation or modification process.
- Logic:** Handles the actual creation or modification of item records.
- Impact:** This call acts as a **major logical gateway** for item maintenance operations.

2. JV400R (Item Deletion)

- Trigger:** Called when an item is deleted.

- Logic:** Manages the deletion of the item and its associated records.

- Impact:** This is a **destructive filtering step** that ensures all related records are cleaned up.

3. JX100R (Price Maintenance)

- Trigger:** Called when maintaining item prices.

- Logic:** Facilitates the maintenance of pricing information for the item.

- Impact:** This call is crucial for ensuring accurate pricing data is kept up to date.

4. AS701R and AS702R (Search Functions)

- Trigger:** Called during the search operations for items.

- Logic:** These programs handle the search logic based on free text and group criteria.

- Impact:** They represent the handoff to the next major business function of item searching.

This documentation provides a comprehensive overview of the business logic implemented in the JV100R program, detailing the rules and processes that govern item maintenance within the ERP system.