

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 related to item creation, modification, and searching.

The core logic for item maintenance is contained within the xc2bld subroutine in JV100R. This subroutine interacts with various other programs and subroutines to facilitate the creation, updating, and querying of item records.

Order Status and Header Rules

Vare Maintenance: jvarlr, jvarla, jvarlb, jvarlc, jsokpf, jvarpf

1. Item Creation and Update

- Logic:** The program allows for the creation and modification of item records. It checks if an item already exists before creating a new one.
- File:** jvarlr (Item Master)
- Field:** jvarlr_vare
- Condition:** The process will not create a record if c1vare is already present in the jvarlr file.

2. Item Deletion Indicator

- Logic:** Deleted items are marked with a specific text in the item description.
- File:** jvarlr (Item Master)
- Field:** jvstat
- Condition:** If jvstat equals 4, the item description will show '*** SLETTET ***'.

Configuration and Authorization Rules

1. Group Validation

- Logic:** The program validates item groups to ensure that at least one group is selected for the item.
- Files:**
 - jvarla (Overgroup)
 - jvarlb (Main Group)
- Fields:**
 - b2ogrp (Overgroup)
 - b2hgrp (Main Group)
- Condition:** If b2ogrp is 0 and b2hgrp is not 0, an error is triggered.

2. Search Functionality

- Logic:** The program enables searching for items based on various criteria, including item number and free text.
- File:** jsokpf (Search Index)
- Field:** jsstek

- Condition:** The search is executed if any of the search fields are not blank.
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Financial and Transactional Rules

1. Price Maintenance

- Logic:** The program allows for the maintenance of item prices through a dedicated subroutine.
- File:** jvarlr (Item Master)
- Fields:**
 - w_vare (Item Number)
 - w_firm (Firm Number)
- Condition:** Price maintenance is triggered when the user selects the appropriate option.

2. Supplier Information

- Logic:** The program retrieves and displays supplier information for items.
 - File:** jvarlr (Item Master)
 - Condition:** Supplier information is fetched when the user requests it.
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Special Conditions (Program-Specific)

1. Logistics Item Check (JV100R)

- Logic:** The program checks if the item is a logistics item and updates its status accordingly.
- File:** jvlelr (Logistics Item)
- Field:** jvlelr_lvr
- Condition:** If the item is found in the logistics file, it is marked as active.

2. Display NOBB Information (JV100R)

- Logic:** The program displays NOBB (Norwegian Building Product Database) information for the item.
 - File:** jvarlr (Item Master)
 - Fields:** jvnobb (NOBB Number)
 - Condition:** NOBB information is displayed when the user selects the appropriate option.
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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 Program)

- Trigger:** Called during item creation or modification.
- Logic:** This program handles the actual creation and updating of item records.
- Impact:** This call acts as a **major logical gateway** for item maintenance.

2. JV400R (Item Deletion Program)

- Trigger:** Called when an item is marked for deletion.
- Logic:** This program manages the deletion of items along with their relationships.
- Impact:** This is a **critical step** in ensuring data integrity during deletions.

3. JV510R (Item Information Display Program)

- Trigger:** Called when the user requests to view detailed item information.
- Logic:** This program retrieves and displays comprehensive information about the item.

•**Impact:** This represents the handoff to the next major business function of displaying item details.