

VD100R.MBR

Path: NXCLOUD/rpgsrc/VD100R.MBR **Generated:** 2026-01-08 15:04:40 **Processing Time:** 22176ms

Business Logic for Varesortiment-linje Maintenance

This document outlines the business rules that govern the maintenance of item assortment lines, based on an analysis of the RPG program VD100R. The primary focus is on the logic surrounding the handling of item assortments, including data validation, subfile management, and user interactions.

The core logic for maintaining item assortments is contained within the *inzsr subroutine in VD100R. The program processes records related to item assortments, allowing for the creation, modification, and deletion of assortment lines.

Order Status and Header Rules

Varesortiment: vsdtl, vsdtl1, vsdtl2, vsdtl3, vsdtl4, vsdtl5, vsdtl6

1. Require Item Number for Type C

- Logic:** If the item type is 'C', an item number must be provided.
- File:** vsdtl (Item assortment line)
- Field:** w_vare
- Condition:** The process will not proceed if w_vare is blank when vctype is 'C'.

2. Require Supplier for Type P

- Logic:** If the item type is 'P', a supplier must be provided.
- File:** vsdtl (Item assortment line)
- Field:** w_ldor
- Condition:** The process will not proceed if w_ldor is 0 when vctype is 'P'.

Configuration and Authorization Rules

1. Positioning Logic

- Logic:** The program checks for various grouping identifiers to determine the positioning of records in the subfile.
- Files:**
 - vsdtl1 (Item assortment line)
 - vsdtl2 (Overgroup)
 - vsdtl3 (Main group)
 - vsdtl4 (Subgroup)
 - vsdtl5 (Module)
 - vsdtl6 (Item number)
- Fields:**
 - b2ldor (Supplier)
 - b2ogrp (Overgroup)
 - b2hgrp (Main group)

- b2ugrp (Subgroup)
- b2modn (Module)
- b2vare (Item number)
- Condition:** The program will position records based on the presence of values in these fields.

2. Subfile Management

- Logic:** The program manages the display and interaction with a subfile that contains item assortment lines.
- File:** b1sfl (Subfile)
- Field:** w_srrn
- Condition:** The subfile is cleared and repopulated based on user actions and data validation.

Financial and Transactional Rules

1. Update on Item Change

- Logic:** When an item is modified, the program updates the relevant fields in the database.
- File:** vsdtlu (Item assortment line update)
- Fields:**
 - vsdtlu_ldor (Supplier)
 - vsdtlu_ogrp (Overgroup)
 - vsdtlu_hgrp (Main group)
 - vsdtlu_ugrp (Subgroup)
 - vsdtlu_modn (Module)
 - vsdtlu_vare (Item number)
- Condition:** The update occurs if the item exists in the database.

2. Delete Item Logic

- Logic:** The program allows for the deletion of an item assortment line if the user confirms the action.
- File:** vsdtlu (Item assortment line)
- Condition:** The item is deleted based on user input from the delete confirmation screen.

Special Conditions (Program-Specific)

1. Error Handling on Input Validation

- Logic:** The program checks for errors during input validation and displays appropriate messages.
- File:** vsdtl (Item assortment line)
- Field:** b_feil
- Condition:** If any validation fails, an error flag is set, and the user is notified.

2. Display Messages for Existing Records

- Logic:** If a record already exists when attempting to create a new one, a message is displayed to the user.
- File:** vsdtlr (Item assortment line reference)
- Fields:** vsdtlr_ldor, vsdtlr_ogrp, vsdtlr_hgrp, vsdtlr_ugrp, vsdtlr_modn, vsdtlr_vare
- Condition:** The message is triggered if the record is found in the database.

Subprogram Calls Affecting Logic

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

1. RL500R (Supplier Information Retrieval)

- Trigger:** Called when validating supplier information.
- Logic:** Retrieves supplier details based on the supplier ID.
- Impact:** Ensures that valid supplier information is available for processing.

2. VG510R (Overgroup Information Retrieval)

- Trigger:** Called when validating overgroup information.
- Logic:** Retrieves overgroup details based on the overgroup ID.
- Impact:** Ensures that valid overgroup information is available for processing.

3. VV500R (Item Information Retrieval)

- Trigger:** Called when validating item information.
- Logic:** Retrieves item details based on the item number.
- Impact:** Ensures that valid item information is available for processing.