

VD100R.MBR

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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 that manages the display and manipulation of item assortments within the system.

The core logic for handling item assortments is contained within the various subroutines in VD100R. This program processes records related to item assortments, allowing users to create, update, delete, and display these records through a subfile interface.

Order Status and Header Rules

Varesortiment: VSDTLR, VSDTLU, VSDTL1, VSDTL2, VSDTL3, VSDTL4, VSDTL5, VSDTL6, VOGR, VHGR, VUGR, RLEV, VVAR, VSHEL1

1. Record Positioning

- **Logic:** The program positions records based on various criteria such as supplier, group, and item number.
- **File:** VSDTLR (Item assortment line records)
- **Field:** LDOR, OGRP, HGRP, UGRP, MODN, VARE
- **Condition:** The program will position records if any of the fields LDOR, OGRP, HGRP, UGRP, MODN, or VARE are not zero or blank.

2. Subfile Management

- **Logic:** The program manages a subfile to display item assortments, allowing for pagination and user interaction.
- **File:** B1SFL (Subfile for item assortments)
- **Field:** Various fields related to item assortments
- **Condition:** The subfile is cleared and repopulated each time the user interacts with the interface.

Configuration and Authorization Rules

1. Input Validation

- **Logic:** The program checks for required fields based on the type of operation being performed (e.g., creating or updating an item).
- **Files:**
 - VSHEL1 (Item assortment header)
 - VSDTLR (Item assortment line records)
- **Fields:**
 - LDOR (Supplier)
 - VARE (Item number)
- **Condition:** If the type is 'C', the item number must be provided; if the type is 'P', the supplier must be provided.

2. Supplier and Group Validation

- Logic:** The program validates that the specified supplier and groups exist in the system.
 - File:** RLEV (Supplier records)
 - Field:** LEV
 - Condition:** The program will not proceed if the supplier or group does not exist, triggering an error message.
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Financial and Transactional Rules

1. Record Creation and Update

- Logic:** The program allows for the creation and updating of item assortment lines, ensuring that existing records are checked for duplicates.
- File:** VSDETLU (Item assortment line records)
- Fields:**
 - LDOR (Supplier)
 - VARE (Item number)
- Condition:** If a record with the same supplier and item number already exists, the program will prompt the user with a warning.

2. Record Deletion

- Logic:** The program provides functionality to delete item assortment lines, ensuring that the user confirms the deletion.
 - File:** VSDETLU (Item assortment line records)
 - Condition:** The deletion process will only proceed if the user confirms the action.
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Special Conditions (Program-Specific)

1. Subfile Refresh Logic (VD100R)

- Logic:** The program refreshes the subfile display based on user actions, ensuring that the most current data is shown.
- File:** B1SFL (Subfile for item assortments)
- Field:** Various fields related to item assortments
- Condition:** The subfile is updated whenever a new record is created or an existing record is modified.

2. Error Handling Logic (VD100R)

- Logic:** The program includes error handling for various user inputs, providing feedback when required fields are missing or invalid.
 - File:** B1SFL (Subfile for item assortments)
 - Fields:** Various fields related to item assortments
 - Condition:** Error messages are displayed if validation checks fail, preventing further processing until corrections are made.
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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. RL500R (Supplier Information Retrieval)

- Trigger:** Called when the user interacts with supplier fields.
- Logic:** This program retrieves supplier information based on the supplier ID provided.
- Impact:** Ensures that valid supplier data is displayed and used in the main program.

2. VG510R (Group Information Retrieval)

- Trigger:** Called when the user interacts with group fields.
- Logic:** This program retrieves group information based on the group ID provided.
- Impact:** Ensures that valid group data is displayed and used in the main program.

3. VV500R (Item Information Retrieval)

- Trigger:** Called when the user interacts with item fields.
- Logic:** This program retrieves item information based on the item number provided.
- Impact:** Ensures that valid item data is displayed and used in the main program.

This documentation provides a comprehensive overview of the business logic implemented in the VD100R program, detailing the rules and conditions that govern the maintenance of item assortment lines.