

VD100R.MBR

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Business Logic for Varesortiment-linje Vedlikehold

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 how item assortments are managed, including the creation, updating, and deletion of item assortment entries.

The core logic for maintaining item assortments is contained within the various subroutines in VD100R. The program processes user inputs through a series of subfile operations, allowing for the display, modification, and management of item assortment records.

Order Status and Header Rules

Varesortiment-linje: VSDTL (Item Assortment Line File)

1. Record Positioning

- Logic:** The program checks for various identifiers (like supplier, groups, and item numbers) to position the cursor correctly in the subfile.
- File:** VSDTL (Item Assortment Line)
- Field:** LDOR, OGR, HGR, UGR, MODN, VARE
- Condition:** The program will position the cursor based on the presence of values in these fields; if any of them are not zero or blank, it will call the posisjoner subroutine.

2. Subfile Management

- Logic:** The program manages a subfile that displays item assortment lines, allowing users to navigate, create, update, or delete records.
- File:** B1SFL (Subfile for Item Assortment)
- Field:** Various fields from the item assortment line
- Condition:** The subfile is populated based on the current state of the item assortment records and user actions.

Configuration and Authorization Rules

1. Mandatory Fields Validation

- Logic:** The system checks that required fields are filled based on the type of item being processed (C for item number, P for supplier).
- Files:**
 - VSDTL (Item Assortment Line)
- Fields:**
 - VARE (Item Number)
 - LDOR (Supplier)
- Condition:** If the type is 'C', the item number must be provided; if the type is 'P', the supplier must be provided.

2. Input Validation

- Logic:** The program validates the input fields to ensure they correspond to existing records in the database.
 - File:** VSDTL (Item Assortment Line)
 - Field:** Various fields used for validation
 - Condition:** If any validation fails, an error flag is set, and the process halts.
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Financial and Transactional Rules

1. Record Deletion

- Logic:** The program allows for the deletion of item assortment lines, ensuring that the correct record is targeted based on user input.
- File:** VSDTL (Item Assortment Line)
- Fields:**
 - LDOR (Supplier)
 - OGR (Overgroup)
 - HGR (Main Group)
 - UGR (Subgroup)
 - MODN (Module)
 - VARE (Item Number)
- Condition:** The deletion occurs only if the record is found and confirmed by the user.

2. Record Update

- Logic:** The program updates existing item assortment lines based on user modifications.
 - File:** VSDTL (Item Assortment Line)
 - Condition:** The update is performed after validating the input and ensuring the record exists.
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Special Conditions (Program-Specific)

1. Subfile Refresh (VD100R)

- Logic:** The program refreshes the subfile to reflect the latest changes made to item assortment lines.
- File:** B1SFL (Subfile for Item Assortment)
- Field:** Various fields from the item assortment line
- Condition:** The refresh occurs after any action that modifies the subfile content.

2. Display Messages (VD100R)

- Logic:** The program displays messages to the user when certain conditions are met, such as errors or confirmations.
 - File:** C1MSG (Message Display)
 - Fields:** Various fields used for displaying messages
 - Condition:** Messages are shown based on user actions or validation results.
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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 validating supplier information.
- Logic:** This program retrieves additional details about the supplier based on the provided supplier ID.
- Impact:** Ensures that the supplier information is accurate and up-to-date.

2. VG510R (Overgroup Information Retrieval)

- Trigger:** Called when validating overgroup information.
- Logic:** This program retrieves details about the overgroup based on the provided overgroup ID.
- Impact:** Validates the overgroup against existing records.

3. FO714C (Module Information Retrieval)

- Trigger:** Called when validating module information.
- Logic:** This program retrieves details about the module based on the provided module ID.
- Impact:** Ensures that the module information is accurate and corresponds to the item assortment line.

This documentation provides a comprehensive overview of the business logic encapsulated in the VD100R program, detailing how item assortments are managed within the system.