VD100R.MBR

Path: NXCLOUD/rpgsrc/VD100R.MBR **Generated**: 2026-01-09 10:13:45 **Processing Time**: 11714ms

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Business Logic for Varesortiment Maintenance

This document outlines the business rules that govern the maintenance of product assortment lines, based on an analysis of the RPG program VD100R. The primary focus is on how the program handles the display and management of product assortment data through subfile processing.

The core logic for maintaining the product assortment is contained within the init subroutine in VD100R. The program processes records from various files related to product assortments, allowing users to create, update, delete, and view product assortment lines.

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Order Status and Header Rules

Varesortiment: vsdtl, vshel

1. Record Existence Check

•**Logic:** The program checks if a record exists for the given product assortment line before allowing updates or deletions.

•**File:** vsdtl (Product Assortment Line)

•**Field:** vsdtlr_vare

•**Condition:** The process will not proceed if the record for the specified product does not exist.

2. Mandatory Fields Validation

•**Logic:** Certain fields must be populated based on the type of product being processed.

•**File:** vsdtl (Product Assortment Line)

•**Field:** vctype, w_vare, w_ldor

•**Condition:** If the product type is 'C', the product number must be provided; if the type is 'P', the supplier must be specified.

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Configuration and Authorization Rules

1. Supplier Existence Check

•**Logic:** The program verifies that the supplier exists before allowing any operations related to the supplier.

•**Files:**

•rlevl1 (Supplier)

•**Fields:**

•w_ldor (Supplier ID)

•**Condition:** The process will not allow operations if the supplier ID does not correspond to an existing supplier.

2. Group Validation

•**Logic:** The program checks if the specified groups exist in the system.

•**File:** vogrl1, vhgrl1, vugrl1 (Group Definitions)

•**Fields:** w_ogrp, w_hgrp, w_ugrp

•**Condition:** The process will not proceed if the specified group IDs do not exist.

Financial and Transactional Rules

1. Subfile Record Handling

•**Logic:** The program manages the records displayed in the subfile, ensuring that they are correctly populated based on user actions.

•**File:** b1sfl (Subfile for Product Assortment)

•**Fields:**

•b1ldor (Supplier ID)

•b1vare (Product ID)

•**Condition:** The subfile will be updated with new records only if the records exist in the main data files.

2. Deletion Confirmation

•**Logic:** The program prompts the user for confirmation before deleting a record from the product assortment.

•**File:** vsdtl (Product Assortment Line)

•**Condition:** The deletion process will not proceed without user confirmation.

Special Conditions (Program-Specific)

1. Record Creation Logic (VD100R)

•**Logic:** The program allows for the creation of new product assortment lines, ensuring all required fields are filled.

•**File:** vsdtlu (Product Assortment Line Update)

•**Field:** vsdtlu_vare

•**Condition:** The process will not create a new record if the product number is blank.

2. Update Logic (VD100R)

•**Logic:** The program updates existing product assortment lines based on user input.

•**File:** vsdtlu (Product Assortment Line Update)

•**Fields:** vsdtlu_ldor, vsdtlu_ogrp, vsdtlu_hgrp, vsdtlu_ugrp, vsdtlu_modn, vsdtlu_vare

•**Condition:** The update will only occur if the record exists and all validation checks pass.

Subprogram Calls Affecting Logic

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

1. RL500R (Supplier Query)

•**Trigger:** Called when querying supplier information.

•**Logic:** Retrieves supplier details based on the supplier ID.

•**Impact:** This call ensures that the supplier information is accurate and up to date before proceeding with operations.

2. VG510R (Group Query)

•**Trigger:** Called when validating group information.

•**Logic:** Retrieves group details based on the group ID.

•**Impact:** This ensures that the group information is valid before allowing any operations related to the group.

3. VV500R (Product Query)

•**Trigger:** Called when validating product information.

•**Logic:** Retrieves product details based on the product ID.

•**Impact:** This ensures that the product information is accurate before any updates or deletions are made.

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 product assortment lines.