VD100R.MBR

Path: NXCLOUD/rpgsrc/VD100R.MBR **Generated**: 2026-01-08 12:35:35 **Processing Time**: 16703ms

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Business Logic for Varesortiment-linje Maintenance

This document outlines the business rules that govern the maintenance of item assortment lines within the ERP system, based on an analysis of the RPG program VD100R. The primary focus is on the logic related to subfile handling, record positioning, and validation of input data.

The core logic for maintaining item assortment lines is contained within the *inzsr subroutine in VD100R. This subroutine initializes the program, sets up the necessary parameters, and manages the display of records in a subfile format.

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Order Status and Header Rules

Varesortiment-linje Maintenance: vsdtl1, vsdtl2, vsdtl3, vsdtl4, vsdtl5, vsdtl6, vshel1, vogrl1, vhgrl1, vugrl1, rlevl1, vvarl1

1. Record Positioning

•**Logic:** The program positions the records based on the supplier, overgroup, main group, undergroup, module, or item number.

•**File:** vsdtl1 (Item assortment line)

•**Field:** w_firm, w_vsor, w_lage, b2ldor, b2ogrp, b2hgrp, b2ugrp, b2modn, b2vare

•**Condition:** The positioning occurs if any of the fields b2ldor, b2ogrp, b2hgrp, b2ugrp, b2modn, or b2vare are not equal to zero or blank.

2. Subfile Handling

•**Logic:** The program reads and processes records into a subfile for display, handling user interactions for updating, deleting, or copying records.

•**File:** b1sfl (Subfile for item assortment lines)

•**Field:** b1valg

•**Condition:** The subfile is populated based on user actions, such as selecting to update or delete a record.

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Configuration and Authorization Rules

1. Input Validation

•**Logic:** The program checks that required fields are filled based on the type of item (C for item number, P for supplier).

•**Files:**

•vsdtlr (Item assortment line)

•vsdtlu (Updated item assortment line)

•**Fields:**

•w_vare (Item number)

•w_ldor (Supplier)

•**Condition:** If vctype is 'C', then w_vare must not be blank; if vctype is 'P', then w_ldor must not be zero.

2. Supplier Existence Check

•**Logic:** The program verifies that the supplier exists in the database before proceeding with operations.

•**File:** rlevl1 (Supplier reference)

•**Field:** w_ldor

•**Condition:** The program checks if w_ldor is not zero and attempts to chain to the supplier record.

Financial and Transactional Rules

1. Record Creation and Update

•**Logic:** When creating or updating records, the program ensures that all necessary fields are populated and valid.

•**File:** vsdtlu (Updated item assortment line)

•**Fields:**

•w_firm, w_vsor, w_lage, w_ldor, w_ogrp, w_hgrp, w_ugrp, w_modn, w_vare

•**Condition:** The program checks for the existence of the record before performing an update.

2. Record Deletion

•**Logic:** The program allows for the deletion of records after confirming the user's intent.

•**File:** vsdtlu (Updated item assortment line)

•**Condition:** The deletion is executed based on user confirmation from the delete window.

Special Conditions (Program-Specific)

1. Subfile Refresh (VD100R)

•**Logic:** The program refreshes the subfile to display the latest data after any modification.

•**File:** b1sfl (Subfile for item assortment lines)

•**Field:** w_srrn

•**Condition:** The subfile is cleared and repopulated whenever a record is added, updated, or deleted.

2. Error Handling (VD100R)

•**Logic:** The program handles errors by displaying appropriate messages when validation fails.

•**File:** c1msg (Message display)

•**Fields:** b_anul

•**Condition:** If validation fails, the program sets b_anul to indicate that the operation should be canceled.

Subprogram Calls Affecting Logic

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

1. RL500R (Supplier Lookup)

•**Trigger:** Called when validating supplier input.

•**Logic:** This program checks the existence of the supplier in the database.

•**Impact:** Ensures that operations involving suppliers are valid and prevents errors related to non-existent suppliers.

2. VG510R (Overgroup Validation)

•**Trigger:** Called when validating overgroup input.

•**Logic:** This program checks the existence of the overgroup in the database.

•**Impact:** Prevents operations on invalid overgroups, ensuring data integrity.

3. FO714C (Module Lookup)

•**Trigger:** Called when retrieving module information.

•**Logic:** This program fetches module details based on the module number.

•**Impact:** Ensures that the correct module information is displayed and used in operations.

This documentation provides a comprehensive overview of the business logic implemented in the VD100R program for maintaining item assortment lines, ensuring clarity on the rules and processes involved.