VD100R.MBR

Path: NXCLOUD/rpgsrc/VD100R.MBR **Generated**: 2026-01-08 13:33:11 **Processing Time**: 15508ms

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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 ASOFAK ERP system, based on an analysis of the RPG program VD100R. The primary focus is on the logic related to item assortment management, including the handling of subfiles for data display and updates.

The core logic for maintaining item assortment lines is contained within the *inzsr subroutine in VD100R. This subroutine initializes parameters, sets up keys for database access, and manages the display of item assortment data through subfiles.

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Order Status and Header Rules

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

1. Record Positioning

•**Logic:** The program positions records based on various fields such as supplier, overgroup, main group, undergroup, module, and item number. It determines which record to display based on the values provided.

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

•**Field:** b2ldor, b2ogrp, b2hgrp, b2ugrp, b2modn, b2vare

•**Condition:** The program will position a record if any of the fields b2ldor, b2ogrp, b2hgrp, b2ugrp, b2modn, or b2vare are not equal to zero or blank.

2. Subfile Management

•**Logic:** The program manages the subfile display, including clearing and populating it with relevant data based on the current record positioning.

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

•**Field:** w_srrn, w_spge

•**Condition:** The subfile will be cleared and repopulated whenever the user navigates through records.

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Configuration and Authorization Rules

1. Input Validation

•**Logic:** The program checks for required fields based on the type of item being processed. For type 'C', an item number is mandatory; for type 'P', a supplier is required.

•**Files:**

•vsdtlr (Item assortment line)

•rlevl1 (Supplier level)

•**Fields:**

•vctype (Item type)

•w_vare (Item number)

•w_ldor (Supplier)

•**Condition:** If vctype is 'C' and w_vare is blank, or if vctype is 'P' and w_ldor is zero, an error is triggered.

2. Supplier Existence Check

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

•**File:** rlevl1 (Supplier level)

•**Field:** w_ldor

•**Condition:** The program will not proceed if the supplier does not exist in the rlevl1 file.

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Financial and Transactional Rules

1. Data Update Logic

•**Logic:** The program updates the item assortment line records based on user input and existing data.

•**File:** vsdtlu (Item assortment line update)

•**Fields:**

•w_firm (Firm)

•w_vsor (Assortment)

•**Condition:** Updates occur when the user confirms changes to an existing record.

2. Delete Functionality

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

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

•**Condition:** The deletion process is triggered by user action and confirmed through a dialog.

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Special Conditions (Program-Specific)

1. Subfile Refresh (VD100R)

•**Logic:** The program refreshes the subfile display whenever changes are made to the underlying data.

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

•**Field:** w_fcrn

•**Condition:** The subfile is refreshed when the user navigates to a new record or updates existing data.

2. Error Handling (VD100R)

•**Logic:** The program handles errors by displaying appropriate messages based on the validation checks.

•**File:** c1msg (Message display)

•**Fields:** Various fields depending on the error context.

•**Condition:** Errors are displayed when validation fails, guiding the user to correct input.

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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 Query Program)

•**Trigger:** Called when querying supplier information based on user input.

•**Logic:** This program retrieves supplier details to validate and display relevant information.

•**Impact:** Ensures that only valid suppliers are processed in the item assortment maintenance.

2. VG510R (Overgroup Validation Program)

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

•**Logic:** This program checks the existence and validity of overgroups before allowing updates.

•**Impact:** Prevents invalid data from being entered into the item assortment lines.

3. JU500R (Module Information Program)

•**Trigger:** Called when processing module-related data.

•**Logic:** This program retrieves module details to ensure accurate updates and displays.

•**Impact:** Represents a critical step in maintaining the integrity of module data within item assortments.