

FR100R.MBR

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Business Logic for Rabattmatrise Vedlikehold

This document outlines the business rules that govern the maintenance of the discount matrix (Rabattmatrise) based on an analysis of the RPG program FR100R. The primary focus is on the rules and logic used to manage discount levels, including various categories and conditions. The core logic for maintaining the discount matrix is contained within the *inzsr subroutine in FR100R. This subroutine initializes the program, sets up the necessary keys for database access, and manages the display and processing of discount records.

Order Status and Header Rules

Rabattmatrise: frablr, frablu, frabl1, frabld, frabl2, frabl3, frabl4, frabl5, frabl6, frabl7, frabl8, frabl9, frabla, frablb, frablc

1. Discount Level Initialization

• **Logic:** Initializes the discount matrix levels based on user input and existing records.

• **File:** frablr (Discount Matrix Level Records)

• **Field:** frablr_prgr, frablr_rkat, frablr_kkat, frablr_kund, frablr_kpro, frablr_ogrp, frablr_hgrp, frablr_ugrp, frablr_ldor, frablr_modn, frablr_vare, frablr_enhe, frablr_lety

• **Condition:** The program will not proceed if the required fields are not populated correctly.

2. Discount Record Retrieval

• **Logic:** Retrieves existing discount records based on the initialized keys.

• **File:** frablr

• **Field:** frablr_key

• **Condition:** The program checks if the record exists and handles errors if not found.

Configuration and Authorization Rules

1. User Permissions Check

• **Logic:** Validates if the user has permission to perform actions on the discount matrix.

• **Files:**

• frablr (Discount Matrix Level Records)

• frablu (Discount Matrix Update Records)

• **Fields:**

• frablr_kund (Customer ID from Discount Matrix)

• frablu_kund (Customer ID from Update Records)

• **Condition:** The program will not allow updates if the user lacks the necessary permissions.

2. Discount Group Validation

• **Logic:** Ensures that the discount group is valid before processing.

• **File:** frablr

• **Field:** frablr_rkat

• **Condition:** The program checks if the discount category is valid; if not, it raises an error.

Financial and Transactional Rules

1. Discount Application Logic

•**Logic:** Applies discounts based on the defined rules and conditions.

•**File:** frablr

•**Fields:**

•frablr_prgr (Discount Program)

•frablr_rkat (Discount Category)

•**Condition:** Discounts are only applied if the relevant conditions are met (e.g., valid customer, valid product).

2. Record Update Logic

•**Logic:** Updates discount records in the database based on user input.

•**File:** frablu

•**Condition:** The update will only occur if the input data passes validation checks.

Special Conditions (Program-Specific)

1. Excel Update Functionality (FR100R)

•**Logic:** Allows for the update of the discount matrix from an Excel file.

•**File:** frablr

•**Field:** frablr_* (Various fields related to discount records)

•**Condition:** The program checks if the Excel update is initiated and processes the data accordingly.

2. Error Handling Logic (FR100R)

•**Logic:** Manages error messages and user feedback during discount matrix operations.

•**File:** frablr

•**Fields:** Various fields related to user input and discount records.

•**Condition:** The program checks for errors during processing and provides feedback to the user.

Subprogram Calls Affecting Logic

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

1. AD005R (Authorization Check Program)

•**Trigger:** Called during the initialization phase to check user permissions.

•**Logic:** Validates if the user is authorized to access the discount matrix.

•**Impact:** This call acts as a **major logical gateway** for user access.

2. FR700R (Discount Calculation Program)

•**Trigger:** Called during the discount application logic.

•**Logic:** Calculates the applicable discounts based on the defined rules.

•**Impact:** This represents the core of the discount application process.

3. RK500R (Customer Query Program)

•**Trigger:** Called during the validation of customer data.

•**Logic:** Retrieves customer details to ensure valid discount application.

•**Impact:** This is essential for ensuring that discounts are applied to valid customers.
Use clear, business-friendly language. Fill in all sections with details from the code. Output only
the Markdown.