FR100R.MBR

Path: NXKORR/rpgsrc/FR100R.MBR **Generated**: 2026-01-09 10:13:44 **Processing Time**: 16294ms

Business Logic for Rabattmatrise Maintenance

This document outlines the business rules that govern the maintenance of the discount matrix, based on an analysis of the RPG program FR100R. The primary focus is on the rules and logic surrounding the management and validation of discount entries in the system.

The core logic for discount matrix maintenance is contained within the main processing loop of the FR100R program. This program handles user inputs for creating, updating, deleting, and displaying discount matrix records, as well as validating user permissions and input data.

Order Status and Header Rules

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

1. Discount Group Validation

•**Logic:** The program checks if the discount group is valid and exists in the database. If not, it prevents further processing.

•**File:** frablr (Discount Matrix)

•**Field:** frablr_prgr

•**Condition:** The process will not proceed if frablr_prgr is not found in the discount matrix.

2. Discount Category Validation

•**Logic:** The program verifies that the discount category is valid and exists. If it does not exist, an error is raised.

•**File:** frabld (Discount Category)

•**Field:** frabld_rkat

•**Condition:** The process will not allow actions if frabld_rkat is not found.

Configuration and Authorization Rules

1. User Access Control

•**Logic:** The program checks if the user has permission to modify the discount matrix based on their role and the discount group.

•**Files:**

•fusrl1 (User Access)

•frablr (Discount Matrix)

•**Fields:**

•fusrl1_user (User ID from User Access)

•frablr_prgr (Discount Group)

•**Condition:** The process will restrict access if the user does not have the necessary permissions as determined by the b_mast flag.

2. Discount Matrix Entry Creation

•**Logic:** The program allows the creation of new discount matrix entries based on user input and validation checks.

- **File:** frablu (New Discount Entry)
- **Field:** frablu_prgr
- **Condition:** The entry will not be created if the required fields are not filled out correctly.

Financial and Transactional Rules

1. Discount Calculation

- **Logic:** The program calculates the applicable discounts based on user-defined criteria and existing records in the discount matrix.
- **File:** frablr (Discount Matrix)
- **Fields:**
- frablr_rkat (Discount Category)
- frablr_kkat (Customer Category)
- **Condition:** The calculation will only proceed if the discount category and customer category are valid.

2. Deletion of Discount Entries

- **Logic:** The program allows users to delete existing discount entries after confirming that the user has the necessary permissions.
- **File:** frablr (Discount Matrix)
- **Condition:** The deletion will not occur if the user does not have the required access rights.

Special Conditions (Program-Specific)

1. Excel Import for Discount Matrix (FR100R)

- **Logic:** The program can import discount matrix data from an Excel file, allowing for bulk updates.
- **File:** frablu (New Discount Entry)
- **Field:** frablu_prgr
- **Condition:** The import will only succeed if the Excel file format is valid and all required fields are present.

2. Copying Discount Entries (FR100R)

- **Logic:** The program allows users to copy existing discount entries to create new ones, ensuring that the new entry maintains the same structure.
- **File:** frablu (New Discount Entry)
- **Fields:** frablu_prgr, frablu_rkat
- **Condition:** The copy operation will not proceed if the source entry does not exist or if the user lacks permissions.

Subprogram Calls Affecting Logic

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

1. AD005R (Access Control Check)

- **Trigger:** Called to validate user access permissions before allowing modifications to the discount matrix.
- **Logic:** This program checks if the user is authorized to perform the requested action.

•**Impact:** This call acts as a **major logical gateway**, ensuring that only authorized users can modify discount entries.

2. FR700R (Discount Calculation)

•**Trigger:** Called during the discount calculation process to apply the appropriate discounts based on user input.

•**Logic:** This program performs the actual calculations based on the discount rules defined in the matrix.

•**Impact:** This is a **critical calculation step** that determines the final discount applied to transactions.

3. RA530R (Discount Group Validation)

•**Trigger:** Called to validate the discount group when a user attempts to create or modify a discount entry.

•**Logic:** This program checks if the specified discount group exists and is valid.

•**Impact:** This ensures that only valid discount groups are used, preventing errors in the discount application process.

Use clear, business-friendly language. Fill in all sections with details from the code. Output only the Markdown.