FR100R.MBR

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Business Logic for Rabattmatrise Vedlikehold

This document outlines the business rules that govern the maintenance of discount matrices, based on an analysis of the RPG program FR100R. The primary focus is on how discount levels are managed and processed within the system.

The core logic for maintaining the discount matrix is contained within the *inzsr subroutine in FR100R. The program processes various discount levels based on customer categories, product groups, and other parameters, allowing for the dynamic management of discounts.

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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 discount levels based on various parameters such as customer category, product group, and supplier.

•**File:** frablr (Discount matrix 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 process will not proceed if any of the key fields are not set correctly.

2. Discount Level Validation

•**Logic:** Validates the input values for discount levels to ensure they meet the required criteria before processing.

•**File:** frablr (Discount matrix records)

•**Field:** frablr_rkat, frablr_kkat, frablr_kund

•**Condition:** The process will trigger an error if both w_rkat and w_kkat are set without a corresponding customer.

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Configuration and Authorization Rules

1. Authorization Check

•**Logic:** Checks if the user has permission to perform the operation based on the function key pressed.

•**Files:**

•frablr (Discount matrix records)

•frablu (Discount update records)

•**Fields:**

•w_adv (Authorization flag)

•w_status (Status of the operation)

•**Condition:** The operation will not proceed if the authorization status is not "Ok".

2. Filter Application

•**Logic:** Applies filters based on user input to narrow down the discount records displayed.

•**File:** frablr (Discount matrix records)

•**Field:** b2prgr, b2rkat, b2kkat, b2kund, b2kpro, b2ogrp, b2hgrp, b2ugrp, b2ldor, b2modn, b2vare, b2enhe, b2lety

•**Condition:** The filter will be applied if any of the fields are not blank or zero.

Financial and Transactional Rules

1. Discount Calculation

•**Logic:** Calculates discounts based on the defined rules and parameters for each discount level.

•**File:** frablr (Discount matrix records)

•**Fields:**

•frablu_prgr (Price group)

•frablu_rkat (Discount category)

•**Condition:** The calculation will only occur if the relevant discount fields are populated.

2. Update Discount Matrix

•**Logic:** Updates the discount matrix with new values based on user input and validation checks.

•**File:** frablur (Updated discount records)

•**Condition:** The update will not proceed if validation fails or if required fields are missing.

Special Conditions (Program-Specific)

1. Excel Update Functionality (FR100R)

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

•**File:** frablr (Discount matrix records)

•**Field:** frablu_* (Various fields for discount levels)

•**Condition:** The process will only execute if the Excel update function is triggered.

2. Error Handling on Duplicate Entries (FR100R)

•**Logic:** Displays an error message if an attempt is made to create a discount entry that already exists.

•**File:** frablr (Discount matrix records)

•**Fields:** frablr_* (Various fields for discount levels)

•**Condition:** The error handling will activate if a duplicate record is detected.

Subprogram Calls Affecting Logic

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

1. FR700R (Discount Calculation Program)

•**Trigger:** Called during the discount calculation process.

•**Logic:** Performs complex calculations for discounts based on various parameters.

•**Impact:** This call acts as a **major logical gateway** for determining final discount values.

2. RK500R (Customer Query Program)

•**Trigger:** Called when validating customer-related fields.

•**Logic:** Retrieves customer details to ensure valid entries.

•**Impact:** This ensures that the discount matrix is accurate and reflects valid customer data.

3. FL500R (Customer Project Query Program)

•**Trigger:** Called when validating customer project-related fields.

•**Logic:** Retrieves project details associated with customers.

•**Impact:** This represents the handoff to the next major business function, ensuring that project-specific discounts are applied correctly.