

FP100R.MBR

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Business Logic for Special Pricing Maintenance

This document outlines the business rules that govern the maintenance of special pricing within the ERP system, based on an analysis of the RPG program FP100R. The primary focus is on the logic for managing special pricing records, including creation, updating, and validation of pricing data.

The core logic for special pricing maintenance is contained within various subroutines in FP100R. The program handles multiple special pricing categories and their associated records, allowing users to create, update, and view special pricing information.

Order Status and Header Rules

Special Pricing Maintenance: fprilr, fprilu, fpril1, fpril2, fpril3, fpril4, fpril5, fpril6, fpril7, fpril8, fpril9

1. Record Creation

- Logic:** New special pricing records can be created based on user input and existing data.
- File:** fprilr (Special Pricing Records)
- Field:** fprilr_prgr
- Condition:** A record will be created if all required fields are filled correctly, and no validation errors occur.

2. Record Update

- Logic:** Existing special pricing records can be updated with new values.
- File:** fprilu (Updated Special Pricing Records)
- Field:** fprilu_prgr
- Condition:** The update will proceed if the record exists and the input values pass validation checks.

Configuration and Authorization Rules

1. User Authorization Check

- Logic:** The program checks if the user has the necessary permissions to modify special pricing records.
- Files:**
 - fprilr (Special Pricing Records)
 - fprilu (Updated Special Pricing Records)
- Fields:**
 - w_firm (Firm Identifier)
 - w_kund (Customer Identifier)
- Condition:** The user must be authorized based on their firm and customer identifiers.

2. Input Validation

- Logic:** Ensures that all required fields are filled out correctly before processing.
- File:** fprilr (Special Pricing Records)

- Field:** w_rkat, w_kkat, w_kund, w_vare, w_enhe
 - Condition:** The process will not proceed if any of the required fields are blank or invalid.
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Financial and Transactional Rules

1. Price Calculation

- Logic:** Calculates the final sale price after applying discounts.
- File:** fprilr (Special Pricing Records)
- Fields:**
 - w_sapr (Sale Price)
 - w_kopr (Cost Price)
- Condition:** The final sale price is calculated based on the original price and any applicable discounts.

2. Discount Application

- Logic:** Applies discounts to the sale price based on defined rules.
 - File:** fprilr (Special Pricing Records)
 - Condition:** Discounts are applied if they are greater than zero and within valid ranges.
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Special Conditions (Program-Specific)

1. Subfile Handling (FP100R)

- Logic:** Manages the display and interaction with subfiles for special pricing records.
- File:** fpril1 (Subfile for Special Pricing)
- Field:** b1sfl (Subfile Control)
- Condition:** The subfile will be populated based on the current record position and user interactions.

2. Error Handling (FP100R)

- Logic:** Displays error messages when validation fails.
 - File:** fprilr (Special Pricing Records)
 - Fields:** b_feil (Error Flag)
 - Condition:** If any validation fails, the program will set the error flag and display appropriate messages.
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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. RA530R (Pricing Retrieval)

- Trigger:** Called when retrieving pricing information based on user input.
- Logic:** Retrieves pricing details for the specified pricing group or category.
- Impact:** This call acts as a **critical data retrieval step** for pricing information.

2. RA506R (Discount Category Retrieval)

- Trigger:** Invoked when a discount category is selected.
- Logic:** Fetches details related to the specified discount category.
- Impact:** This is a **key step for validating discount eligibility**.

3. RK500R (Customer Information Retrieval)

- Trigger:** Called when customer-related information is needed.
- Logic:** Retrieves customer details based on the provided customer identifier.
- Impact:** This represents the **essential link to customer data**, ensuring accurate pricing application.

This documentation provides a comprehensive overview of the business logic for special pricing maintenance in the ERP system, detailing the rules, conditions, and interactions that govern the process.