

# 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 how special pricing data is processed and managed through various subroutines.

The core logic for maintaining special pricing is contained within the init subroutine in FP100R. The program handles user input, validates data, and updates special pricing records based on specific conditions.

## Order Status and Header Rules

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

### 1. Record Initialization

- Logic:** Initializes the program and sets up the necessary keys for accessing special pricing records.
- File:** fprilr (Special Pricing Records)
- Field:** w\_firm
- Condition:** The program initializes the keys for special pricing records based on the firm number.

### 2. Record Validation

- Logic:** Validates user input for completeness and correctness before processing.
- File:** fprilr (Special Pricing Records)
- Field:** w\_rkat, w\_kkat, w\_kund, w\_vare, w\_enhe
- Condition:** The program checks if any of the required fields are blank or zero, indicating incomplete input.

## Configuration and Authorization Rules

### 1. User Authorization

- Logic:** 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 (from fprilr)
  - w\_firm (from fprilu)
- Condition:** The program verifies the user's firm against the record's firm to ensure authorization.

### 2. Record Filtering

- Logic:** Filters records based on user-defined criteria before displaying them.
- File:** fpril1 (Special Pricing Records)
- Field:** b2prgr, b2rkat, b2kkat, b2kund, b2kpro, b2vare, b2enhe, b2lety, b2numm
- Condition:** The program applies filters if any of the specified fields are populated.

# Financial and Transactional Rules

## 1. Price Calculation

- Logic:** Calculates the sales price and cost price based on the special pricing rules and discounts.
- File:** fprilr (Special Pricing Records)
- Fields:**
  - w\_sapr (Sales Price)
  - w\_kopr (Cost Price)
- Condition:** The program checks if the sales price or cost price is zero and retrieves the necessary values from external programs if needed.

## 2. Discount Application

- Logic:** Applies discounts to the sales price based on defined discount rates.
- File:** fprilr (Special Pricing Records)
- Condition:** The program checks if discount rates are defined and applies them to the calculated sales price.

# Special Conditions (Program-Specific)

## 1. Subfile Management (FP100R)

- Logic:** Manages the display and update of subfile records for special pricing.
- File:** ffp100d (Subfile for Special Pricing)
- Field:** b1sfl (Subfile Control)
- Condition:** The program reads and processes records in the subfile based on user actions.

## 2. Error Handling and Messaging (FP100R)

- Logic:** Displays error messages if validation fails during input processing.
- File:** c1msg (Message Display)
- Fields:** c1rtxt, c1ktxt, c1knav, c1pnav
- Condition:** The program checks for errors and displays appropriate messages 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. RA530R (Price Group Validation)

- Trigger:** Called during the validation of price groups.
- Logic:** Validates the price group against the firm's records.
- Impact:** Ensures that the price group is valid before processing.

## 2. RA506R (Discount Category Validation)

- Trigger:** Called during the validation of discount categories.
- Logic:** Validates the discount category against the firm's records.
- Impact:** Ensures that the discount category is valid before processing.

## 3. RK500R (Customer Validation)

- Trigger:** Called when validating customer information.
- Logic:** Retrieves customer details based on the customer ID.

•**Impact:** Ensures that the customer is valid and retrieves necessary details for processing special pricing.

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