

# 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 prices are managed, filtered, and displayed to users.

The core logic for special pricing maintenance is contained within various subroutines such as forny, posisjoner, subfile, and filter in FP100R. The program handles user inputs, validates them, and processes records related to special pricing from multiple files.

## Order Status and Header Rules

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

### 1. Record Selection

- Logic:** The program selects records based on various criteria such as pricing group, customer category, and item number.
- File:** fprilr (Special Pricing Records)
- Field:** fprilr\_prgr, fprilr\_kund, fprilr\_vare
- Condition:** The process will not select a record if fprilr\_prgr is blank or if the customer or item fields are not specified.

### 2. Display Subfile

- Logic:** The program displays a subfile of special pricing records based on the current selection.
- File:** fpril1 (Subfile for Special Pricing)
- Field:** fpril1\_rkat, fpril1\_kund, fpril1\_vare
- Condition:** The subfile is populated only if there are valid records to display.

## Configuration and Authorization Rules

### 1. User Input Validation

- Logic:** The program validates user inputs to ensure that at least one of the required fields (pricing group, customer category, or item) is filled.
- Files:**
  - fpril1 (Special Pricing Records)
  - fpril2 (Pricing Group Records)
- Fields:**
  - w\_prgr (Pricing Group)
  - w\_kund (Customer)
- Condition:** The process will trigger an error if all required fields are blank.

### 2. Error Handling

- Logic:** If an error is detected during input validation, the program sets an error flag and prevents further processing.
- File:** fpril1 (Special Pricing Records)

- Field:** b\_feil
- Condition:** The program will set b\_feil to on if validation fails.

## Financial and Transactional Rules

### 1. Price Calculation

- Logic:** The program calculates the sales price after applying discounts based on the special pricing records.
- File:** fprilr (Special Pricing Records)
- Fields:**
  - w\_sapr (Sales Price)
  - w\_kopr (Cost Price)
- Condition:** The calculation is performed only if the sales price is not zero.

### 2. Discount Application

- Logic:** Discounts are applied to the sales price based on the discount fields in the pricing records.
- File:** fprilr (Special Pricing Records)
- Condition:** Discounts are applied if c2rab1 or c2rab2 are greater than zero.

## Special Conditions (Program-Specific)

### 1. Subfile Management (FP100R)

- Logic:** The program manages the subfile for displaying special pricing records, including adding, updating, and deleting records.
- File:** fpril1 (Subfile for Special Pricing)
- Field:** b1sfl (Subfile Control)
- Condition:** The subfile is refreshed and updated based on user actions.

### 2. Record Deletion Handling (FP100R)

- Logic:** The program allows for the deletion of special pricing records and ensures that the user confirms the action.
- File:** fprilr (Special Pricing Records)
- Fields:** fprilr\_prgr, fprilr\_kund
- Condition:** The deletion process is confirmed by the user before execution.

## Subprogram Calls Affecting Logic

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

### 1. RA530R (Pricing Group Information Retrieval)

- Trigger:** Called when the user queries pricing group information.
- Logic:** Retrieves and displays pricing group descriptions based on the input.
- Impact:** This call provides essential information for validating pricing groups.

### 2. RK500R (Customer Information Retrieval)

- Trigger:** Called when customer details are needed for validation.
- Logic:** Retrieves customer information based on the customer ID provided.

- Impact:** This affects the ability to apply special pricing based on customer data.

### **3. VV500R (Item Information Retrieval)**

- Trigger:** Called when item details are needed for pricing calculations.

- Logic:** Retrieves item information based on the item number provided.

- Impact:** This ensures that pricing calculations are based on accurate item data.

This documentation provides a comprehensive overview of the business logic governing the special pricing maintenance process in the ERP system, detailing the rules, conditions, and external interactions that shape its functionality.