

FP100R.MBR

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Business Logic for Special Pricing Maintenance

This document outlines the business rules that govern the special pricing maintenance process, based on an analysis of the RPG program FP100R. The primary focus is on how special prices are managed, filtered, and displayed within the system.

The core logic for maintaining special prices is contained within the subfile subroutine in FP100R. This subroutine handles the reading, updating, and displaying of special pricing records based on various criteria.

Order Status and Header Rules

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

1. Record Filtering

- Logic:** The program filters records based on various input fields such as pricing group, customer category, and product number.
- File:** fprilr (Special Pricing Records)
- Field:** b2prgr, b2rkat, b2kkat, b2kund, b2kpro, b2vare
- Condition:** The program will only process records if at least one of the fields is not blank or zero.

2. Subfile Display

- Logic:** The program displays records in a subfile format, allowing for navigation and selection.
- File:** fprilr (Special Pricing Records)
- Field:** w_srrn, w_ssrn
- Condition:** The display will show records if the current record number is not zero.

Configuration and Authorization Rules

1. User Input Validation

- Logic:** The program checks user input for completeness and correctness before processing.
- Files:**
 - fprilr (Special Pricing Records)
 - ra06pf (Discount Categories)
- Fields:**
 - w_rkat (Discount Category)
 - w_kkat (Customer Category)
- Condition:** The program will raise an error if both discount category and customer category are filled or if required fields are blank.

2. Record Existence Check

- Logic:** The program checks if a record already exists in the database before creating or updating.
- File:** fprilr (Special Pricing Records)
- Field:** fprilr_prgr, fprilr_rkat, fprilr_kkat, fprilr_kund
- Condition:** The program will not allow the creation of a new record if a matching record is found.

Financial and Transactional Rules

1. Price Calculation

- Logic:** The program calculates the selling price and cost price based on discounts applied.
- File:** fprilr (Special Pricing Records)
- Fields:**
 - c2sapr (Selling Price)
 - c2kopr (Cost Price)
- Condition:** The program will adjust the selling price based on the discount percentages provided.

2. Discount Application

- Logic:** The program applies discounts to the selling price if applicable.
- File:** fprilr (Special Pricing Records)
- Condition:** Discounts will be applied if c2rab1 or c2rab2 are greater than zero.

Special Conditions (Program-Specific)

1. Subfile Processing (FP100R)

- Logic:** The program handles the reading and updating of subfile records based on user interactions.
- File:** fprilr (Special Pricing Records)
- Field:** b1valg (User Action)
- Condition:** The program will execute different actions based on user selections (e.g., update, delete, copy).

2. Error Handling (FP100R)

- Logic:** The program provides feedback to the user when errors occur during input validation.
- File:** fprilr (Special Pricing Records)
- Fields:** b_feil (Error Flag)
- Condition:** The program will display error messages if validation fails.

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 when validating price groups.
- Logic:** This program checks if the provided price group exists in the database.
- Impact:** If the price group is invalid, the main program raises an error.

2. RA506R (Discount Category Validation)

- Trigger:** Called when validating discount categories.
- Logic:** This program checks if the provided discount category exists in the database.
- Impact:** If the discount category is invalid, the main program raises an error.

3. RK500R (Customer Validation)

- Trigger:** Called when validating customer information.
- Logic:** This program retrieves customer details based on the provided customer ID.

•**Impact:** If the customer does not exist, the main program raises an error and prevents further processing.

This documentation provides a comprehensive overview of the business logic for the special pricing maintenance process in the FP100R RPG program, detailing the rules, conditions, and subprogram interactions that govern its functionality.