

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 pricing records are managed, filtered, and displayed within the application.

The core logic for special pricing maintenance is contained within the subfile subroutine in FP100R. This subroutine processes various special pricing records, allowing users to create, update, delete, and view special pricing data based on specific criteria.

Order Status and Header Rules

SpecialPricing: fprilr, fprilu, fpril1, fpril2, fpril3, fpril4, fpril5, fpril6, fpril7, fpril8, fpril9

1. Record Existence Check

- **Logic:** The program checks if a record exists in the special pricing file before performing updates or deletions.
- **File:** fprilr (Special Pricing Records)
- **Field:** fprilr_key
- **Condition:** The program will not proceed with updates if the record is not found (*in90 = *off).

2. Subfile Population

- **Logic:** The subfile is populated based on the current filter criteria and user input.
- **File:** fpril1 (Special Pricing Subfile)
- **Field:** fpril1_key
- **Condition:** The subfile is filled only if the relevant fields (e.g., b2prgr, b2rkat, etc.) are not blank or zero.

Configuration and Authorization Rules

1. Filter Application

- **Logic:** The program applies filters based on user input to narrow down the records displayed in the subfile.

• **Files:**

- fpril1 (Special Pricing Subfile)
- fpril2 (Special Pricing Category)

• **Fields:**

- b2prgr (Pricing Group)
- b2rkat (Discount Category)

- **Condition:** Filters are applied if any of the fields are populated, triggering the filter subroutine.

2. Record Update Logic

- **Logic:** When updating a record, the program checks if the record exists and updates the fields accordingly.
- **File:** fprilu (Special Pricing Update File)

- Field:** fprilu_key
- Condition:** The record is updated only if it exists in the database.

Financial and Transactional Rules

1. Price Calculation

- Logic:** The program calculates the sales price and cost price based on discounts applied to the original prices.
- File:** fprilr (Special Pricing Records)

•**Fields:**

- c2sapr (Sales Price)
- c2kopr (Cost Price)

- Condition:** If either the sales price or cost price is zero, the program calls another program to fetch the prices.

2. Discount Application

- Logic:** Discounts are applied to the calculated sales price based on predefined discount rates.

- File:** fprilr (Special Pricing Records)

- Condition:** Discounts are applied if c2rab1 or c2rab2 is not zero.

Special Conditions (Program-Specific)

1. Subfile Navigation (FP100R)

- Logic:** The program allows navigation through the subfile records using function keys.

- File:** b1sfl (Subfile for Special Pricing)

- Field:** b1valg (User Selection)

- Condition:** Different actions are triggered based on the function key pressed (e.g., delete, copy, view).

2. Error Handling (FP100R)

- Logic:** The program checks for errors during input and processing, providing feedback to the user.

- File:** dspfbk (Display Feedback)

- Fields:** Various fields for error messages.

- Condition:** If any validation fails, the program sets error indicators and displays relevant messages.

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 Retrieval)

- Trigger:** Called when the user inputs a price group.

- Logic:** Retrieves the description for the specified price group.

- Impact:** Ensures that the user sees the correct pricing information associated with the group.

2. RA506R (Discount Category Retrieval)

- Trigger:** Called when the user inputs a discount category.

- Logic:** Retrieves the description for the specified discount category.
- Impact:** Ensures that the user sees the correct discount information associated with the category.

3. VP701R (Price Retrieval)

- Trigger:** Called when sales or cost prices are not provided.

- Logic:** Fetches the prices for a specific item based on various parameters.

- Impact:** Ensures that the pricing logic is correctly applied based on the latest data.

This documentation provides a comprehensive overview of the business logic implemented in the FP100R program for managing special pricing records.