

FP100R.MBR

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Business Logic for Special Prices Maintenance

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

The core logic for special price maintenance is contained within the subfile subroutine in FP100R. This subroutine handles the reading and processing of records related to special prices, allowing users to view, update, and manage these records through a subfile interface.

Order Status and Header Rules

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

1. Record Filtering

- Logic:** The program filters records based on various criteria such as price group, customer category, and product.
- File:** fprilr (Special Prices Record)
- Field:** fprilr_prgr, fprilr_rkat, fprilr_kkat, fprilr_kund, fprilr_kpro, fprilr_vare, fprilr_enhe, fprilr_lety
- Condition:** The process will not select a record if any of the filtering fields are not filled or do not match the criteria.

2. Record Positioning

- Logic:** The program positions the records based on the values entered in the filtering fields.
- File:** fpril1 (Positioning Record)
- Field:** fpril1_prgr, fpril1_rkat, fpril1_kkat, fpril1_kund, fpril1_kpro, fpril1_vare, fpril1_enhe, fpril1_lety
- Condition:** The positioning is executed if the filtering fields contain valid values.

Configuration and Authorization Rules

1. User Access Control

- Logic:** The program checks user permissions before allowing modifications to special prices.
- Files:**
 - fprilr (Special Prices Record)
 - fprilu (Update Record)
- Fields:**
 - fprilr_kund (Customer)
 - fprilu_kund (Customer)
- Condition:** Users must have the appropriate permissions associated with their user ID to access and modify records.

2. Record Update Logic

- Logic:** The program updates records based on user input and validation checks.
- File:** fprilu (Update Record)

- Field:** fprilu_prgr, fprilu_rkat, fprilu_kkat, fprilu_kund, fprilu_kpro, fprilu_vare, fprilu_enhe, fprilu_lety
 - Condition:** Records are updated only if validation checks pass and the user has the necessary permissions.
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Financial and Transactional Rules

1. Price Calculation

- Logic:** The program calculates the selling price and cost price based on discounts applied.
- File:** fprilr (Special Prices Record)
- Fields:**
 - c2sapr (Selling Price)
 - c2kopr (Cost Price)
- Condition:** If the selling price or cost price is not filled, the program calls another routine to fetch the prices.

2. Discount Application

- Logic:** Discounts are applied to the selling price based on predefined rules.
 - File:** fprilr (Special Prices Record)
 - Condition:** The discounts are calculated and applied only if the selling price is greater than zero.
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Special Conditions (Program-Specific)

1. Subfile Management (FP100R)

- Logic:** The program manages the display and interaction with subfiles for special prices.
- File:** b1sfl (Subfile)
- Field:** Various fields for displaying special price records.
- Condition:** The subfile is populated and displayed based on the current record positioning and filtering criteria.

2. Error Handling and Messaging (FP100R)

- Logic:** The program handles errors and displays messages to the user based on input validation.
 - File:** c1msg (Message Display)
 - Fields:** Various fields for displaying error messages.
 - Condition:** Error messages are displayed if any validation checks fail during record processing.
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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 (Price Group Retrieval)

- Trigger:** Called when the price group field is accessed.
- Logic:** Retrieves the description of the price group based on the provided firm and price group code.
- Impact:** This call ensures that the correct descriptions are displayed to the user.

2. RA506R (Discount Category Retrieval)

- Trigger:** Called when the discount category field is accessed.

- Logic:** Retrieves the description of the discount category based on the provided firm and discount category code.
- Impact:** This call provides necessary information for the user to understand the discounts applied.

3. RK500R (Customer Retrieval)

- Trigger:** Called when customer fields are accessed.
- Logic:** Retrieves customer details based on the provided firm and customer ID.
- Impact:** This call ensures that the correct customer information is displayed and validated.

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