

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 and maintained within the system.

The core logic for special pricing maintenance is contained within the various subroutines in FP100R. The program handles the input and display of special pricing records, allowing for the creation, updating, and deletion of these records through a subfile interface.

Order Status and Header Rules

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

1. Record Creation

- Logic:** New special pricing records can be created based on user input from the subfile interface.
- File:** fprilr (Special Pricing Records)
- Field:** fprilr_prgr
- Condition:** A record will be created if the necessary fields are populated and validated.

2. Record Update

- Logic:** Existing special pricing records can be updated when the user selects a record from the subfile.
 - File:** fprilu (Updated Special Pricing Records)
 - Field:** fprilu_prgr
 - Condition:** The update occurs if the user selects the update option and the record is found.
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Configuration and Authorization Rules

1. User Input Validation

- Logic:** The program checks that all required fields are filled out correctly before processing.
- Files:**
 - fprilr (Special Pricing Records)
 - fprilu (Updated Special Pricing Records)
- Fields:**
 - fprilr_kund (Customer)
 - fprilr_vare (Item)
- Condition:** The process will not proceed if any required fields are blank or invalid.

2. Record Deletion

- Logic:** Special pricing records can be deleted if the user confirms the action.
 - File:** fprilr (Special Pricing Records)
 - Field:** fprilr_prgr
 - Condition:** The deletion will occur only if the user selects the delete option and confirms.
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Financial and Transactional Rules

1. Price Calculation

- Logic:** The program calculates the selling price and cost price based on user input and applies any discounts.
- File:** fprilr (Special Pricing Records)
- Fields:**
 - fprilr_sapr (Selling Price)
 - fprilr_kopr (Cost Price)
- Condition:** The calculation occurs if the selling price or cost price is not zero.

2. Discount Application

- Logic:** Discounts are applied to the selling price based on predefined rules.
 - File:** fprilr (Special Pricing Records)
 - Condition:** Discounts will be applied if they are defined and the selling price is greater than zero.
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Special Conditions (Program-Specific)

1. Subfile Management (FP100R)

- Logic:** The program manages a subfile for displaying special pricing records, allowing users to navigate, select, and manipulate records.
- File:** fprilr (Special Pricing Records)
- Field:** fprilr_prgr
- Condition:** The subfile will refresh and display records based on user actions and input.

2. Error Handling

- Logic:** The program includes error handling for invalid inputs and processes.
 - File:** fprilr (Special Pricing Records)
 - Fields:** Various fields depending on user input.
 - Condition:** Errors will trigger messages and prevent further processing until resolved.
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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 Validation)

- Trigger:** Called when validating price groups during input.
- Logic:** Checks if the price group exists and retrieves its description.
- Impact:** Ensures that only valid price groups are processed.

2. RA506R (Discount Category Validation)

- Trigger:** Called when validating discount categories.
- Logic:** Validates the discount category and retrieves its description.
- Impact:** Prevents invalid discount categories from being applied.

3. RK500R (Customer Validation)

- Trigger:** Called when validating customer information.
- Logic:** Validates customer data and retrieves associated details.

- Impact:** Ensures that only valid customers are processed for special pricing.

This documentation provides a comprehensive overview of the business logic governing the special pricing maintenance process in the FP100R program. It highlights the key rules, conditions, and interactions that define how special pricing records are created, updated, and managed within the system.