

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 system.

The core logic for special pricing maintenance is contained within various subroutines in FP100R. The program handles the retrieval, updating, and deletion of special pricing records based on user input and system-defined rules.

Order Status and Header Rules

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

1. Record Retrieval

- Logic:** The program retrieves special pricing records based on the user-defined criteria such as pricing group, customer category, and product 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 and product fields are not provided.

2. Record Update

- Logic:** Updates existing special pricing records based on user input and validations.
- File:** fprilu (Updated Special Pricing Records)
- Field:** fprilu_prgr, fprilu_kund, fprilu_vare
- Condition:** The update will occur if the record exists and the user has provided valid input.

Configuration and Authorization Rules

1. User Input Validation

- Logic:** Validates user input to ensure that all necessary fields are filled and that no conflicting categories are selected.
- Files:**
 - fprilr (Special Pricing Records)
 - fpril1 (Pricing Category Records)
- Fields:**
 - w_rkat (Discount Category)
 - w_kkat (Customer Category)
- Condition:** The process will raise an error if both w_rkat and w_kkat are filled simultaneously.

2. Filter Application

- Logic:** Applies filters based on user-defined criteria to narrow down the special pricing records displayed.
- File:** fpril1 (Pricing Category Records)

- Field:** b2prgr, b2rkat, b2kund
 - Condition:** The filter will be applied if any of the filter fields are populated.
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Financial and Transactional Rules

1. Discount Calculation

- Logic:** Calculates the final sales price after applying discounts based on user-defined criteria.
- File:** fprilr (Special Pricing Records)
- Fields:**
 - c2sapr (Sales Price)
 - c2rab1, c2rab2 (Discount Rates)
- Condition:** The calculation will only occur if c2sapr is not zero.

2. Record Deletion

- Logic:** Deletes special pricing records based on user confirmation.
 - File:** fprilu (Updated Special Pricing Records)
 - Condition:** The deletion will proceed if the user confirms the action.
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Special Conditions (Program-Specific)

1. Subfile Management (FP100R)

- Logic:** Manages the display and navigation of subfiles for special pricing records.
- File:** fpril1 (Pricing Category Records)
- Field:** w_srrn (Relative Record Number)
- Condition:** The subfile will be cleared and repopulated based on the current user selection.

2. Error Messaging (FP100R)

- Logic:** Displays error messages for invalid user input or system errors.
 - File:** c1msg (Message Display)
 - Fields:** Various fields used for error messaging.
 - Condition:** Error messages will be displayed if validation checks fail.
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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.
- Logic:** Checks if the provided price group exists in the system.
- Impact:** This call is crucial for ensuring that only valid price groups are processed.

2. RA506R (Discount Category Validation)

- Trigger:** Called when validating discount categories.
- Logic:** Checks if the provided discount category exists in the system.
- Impact:** This validation prevents errors in pricing calculations.

3. RK500R (Customer Validation)

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

- Impact:** Ensures that the special pricing is applicable to the correct customer.

This documentation provides a comprehensive overview of the business logic for the special pricing maintenance process in the FP100R program, detailing the rules and conditions that govern the handling of special pricing records.