FP100R.MBR

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Business Logic for Special Pricing Maintenance

This document outlines the business rules that govern the maintenance of special pricing within the ERP system, based on an analysis of the RPG program FP100R. The primary focus is on how special pricing records are processed, displayed, and manipulated through user interactions. The core logic for special pricing maintenance is contained within the *inzsr subroutine in FP100R. This subroutine initializes the program, sets up the necessary keys for database access, and prepares the user interface for interaction with special pricing records.

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Order Status and Header Rules

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

1. Record Initialization

•**Logic:** Initializes the keys for accessing special pricing records based on various criteria such as firm, pricing group, customer category, etc.

•**File:** fprilr (Special Pricing Records)

•**Field:** fprilr_prgr

•**Condition:** The program initializes keys for special pricing records when the program starts.

2. Subfile Display

•**Logic:** Displays a subfile of special pricing records based on user input and filters applied.

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

•**Field:** b1prgr

•**Condition:** The subfile is populated and displayed when the user invokes the display function.

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Configuration and Authorization Rules

1. User Input Validation

•**Logic:** Checks if the required fields for special pricing are filled in correctly before processing.

•**Files:**

•fpril1 (Special Pricing Record)

•ra30lr (Pricing Group)

•**Fields:**

•w_prgr (Pricing Group)

•w_kund (Customer)

•**Condition:** The program will not proceed if any required field is blank or invalid.

2. Filtering Records

•**Logic:** Applies filters based on user input to narrow down the displayed records in the subfile.

•**File:** fpril1 (Special Pricing Record)

•**Field:** b2prgr

•**Condition:** The filter is applied when the user specifies criteria for pricing groups, customer categories, etc.

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Financial and Transactional Rules

1. Price Calculation

•**Logic:** Calculates the selling price and cost price based on discounts applied to the special pricing.

•**File:** fprilr (Special Pricing Records)

•**Fields:**

•w_sapr (Selling Price)

•w_kopr (Cost Price)

•**Condition:** The calculation occurs when the selling price or cost price is not specified.

2. Discount Application

•**Logic:** Applies discounts to the calculated selling price based on the defined discount categories.

•**File:** fprilr (Special Pricing Records)

•**Condition:** Discounts are applied if they are defined in the pricing records.

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Special Conditions (Program-Specific)

1. Subfile Management (FP100R)

•**Logic:** Manages the creation, display, and update of the subfile containing special pricing records.

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

•**Field:** b1prgr

•**Condition:** The subfile is updated or cleared based on user actions and input.

2. Record Deletion (FP100R)

•**Logic:** Handles the deletion of special pricing records based on user confirmation.

•**File:** fprilur (Temporary Special Pricing Record)

•**Fields:** fprilu_prgr, fprilu_kund

•**Condition:** A record is deleted if the user selects the delete option and confirms the action.

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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 Maintenance)

•**Trigger:** Called when the user interacts with the price group field.

•**Logic:** Retrieves and validates pricing group information.

•**Impact:** This call ensures that the pricing group is valid and exists in the system.

2. RA506R (Discount Category Maintenance)

•**Trigger:** Invoked when the discount category field is accessed.

•**Logic:** Retrieves discount category information for validation.

•**Impact:** Ensures that the discount category is valid before applying it to pricing.

3. RK500R (Customer Maintenance)

•**Trigger:** Called when the user enters or modifies customer information.

•**Logic:** Validates and retrieves customer details.

•**Impact:** This affects the overall process by ensuring that customer-related pricing is accurate.

4. VV500R (Item Maintenance)

•**Trigger:** Called when the item number is entered or modified.

•**Logic:** Validates and retrieves item details.

•**Impact:** Ensures that the item information is accurate for pricing calculations.

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