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 the logic for handling special prices, including their creation, updating, and validation.

The core logic for special pricing maintenance is contained within the *inzsr subroutine in FP100R . This subroutine initializes the program, sets up 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

Special Pricing Maintenance: 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, fprilr_rkat, fprilr_kkat, fprilr_kund, fprilr_kpro, fprilr_vare, fprilr_enhe, fprilr_lety

•**Condition:** The program initializes these fields to prepare for record retrieval and manipulation.

2. Record Retrieval

•**Logic:** Retrieves special pricing records based on the initialized keys.

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

•**Field:** fprilr_key

•**Condition:** The program chains to the special pricing record if the key fields are set.

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Configuration and Authorization Rules

1. User Input Validation

•**Logic:** Validates user input for completeness and correctness before processing special pricing records.

•**Files:**

•fprilr (Special Pricing Records)

•ra06pf (Discount Category Records)

•**Fields:**

•w_rkat (Discount Category)

•w_kkat (Customer Category)

•**Condition:** The program checks if required fields are filled and if any conflicting categories are selected.

2. Special Price Calculation

•**Logic:** Calculates the special price based on input values and applies discounts if applicable.

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

•**Field:** w_sapr (Sales Price), w_kopr (Cost Price)

•**Condition:** The calculation is performed if the sales price or cost price is not zero.

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Financial and Transactional Rules

1. Discount Application

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

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

•**Fields:**

•c2rab1 (First Discount)

•c2rab2 (Second Discount)

•**Condition:** Discounts are applied if they are not zero.

2. Record Update

•**Logic:** Updates the special pricing record in the database after validation and calculations.

•**File:** fprilu (Update Special Pricing Records)

•**Condition:** The record is updated only if the validation passes and the user confirms the
 operation.

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Special Conditions (Program-Specific)

1. Error Handling (FP100R)

•**Logic:** Handles errors during input validation and record processing, providing user feedback.

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

•**Field:** b_feil (Error Flag)

•**Condition:** The program sets an error flag if any validation fails, prompting the user to correct
 input.

2. Subfile Management (FP100R)

•**Logic:** Manages the display and interaction with subfiles for special pricing records.

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

•**Fields:** Various fields for displaying special pricing records.

•**Condition:** The subfile is populated based on the current state of the special pricing records.

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Subprogram Calls Affecting Logic

1. RA530R (Discount Lookup)

•**Trigger:** Called during the validation of pricing groups and discount categories.

•**Logic:** Retrieves descriptions for pricing groups and discount categories.

•**Impact:** Ensures that valid descriptions are displayed to the user during input.

2. RK500R (Customer Lookup)

•**Trigger:** Called when validating customer-related inputs.

•**Logic:** Retrieves customer details based on the customer ID entered.

•**Impact:** Provides necessary customer information for special pricing calculations.

3. VP701R (Price Retrieval)

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

•**Logic:** Fetches the current prices for the specified item.

•**Impact:** Ensures that the special pricing calculations are based on the most recent prices
 available.

This documentation provides a comprehensive overview of the business logic governing special pricing maintenance in the ERP system, detailing the rules, conditions, and interactions within the program.