FP100R.MBR

Path: NXCLOUD/rpgsrc/FP100R.MBR **Generated**: 2026-01-08 12:21:29 **Processing Time**: 12388ms

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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 that handles the retrieval, updating, and validation of special pricing records.

The core logic for special pricing maintenance is contained within the *inzsr subroutine in FP100R . The program processes various records related to special pricing, including customer categories, product categories, and pricing groups, while also managing user interactions through subfiles.

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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 keys and sets up the environment for processing special pricing records.

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

•**Field:** w_firm

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

2. Record Positioning

•**Logic:** Positions the database cursor based on the user input and retrieves the relevant special pricing records.

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

•**Field:** w_firm, fpril1_prgr, fpril1_rkat, fpril1_kkat, fpril1_kund, fpril1_kpro, fpril1_vare, fpril1_enhe, fpril1_lety

•**Condition:** The program will position the cursor based on the user-defined criteria for special pricing.

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Configuration and Authorization Rules

1. Filter Application

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

•**Files:**

•fpril1 (Special Pricing Main Record)

•fpril2 (Special Pricing Category Record)

•**Fields:**

•b2prgr (Pricing Group)

•b2rkat (Discount Category)

•**Condition:** The filter is applied if any of the filter fields are populated by the user.

2. Validation of Input

•**Logic:** Validates the input fields to ensure that at least one of the required fields is populated.

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

•**Field:** w_rkat, w_kkat, w_kund, w_vare, w_enhe

•**Condition:** The program will raise an error if none of the required fields are filled.

Financial and Transactional Rules

1. Price Calculation

•**Logic:** Calculates the selling price and cost price based on the special pricing rules and any applicable discounts.

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

•**Fields:**

•w_sapr (Selling Price)

•w_kopr (Cost Price)

•**Condition:** The calculation occurs when the special pricing record is being processed and the prices are not zero.

2. Discount Application

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

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

•**Condition:** Discounts are applied if the discount fields are populated with valid values.

Special Conditions (Program-Specific)

1. Subfile Handling (FP100R)

•**Logic:** Manages the display and interaction with the subfile that contains special pricing records.

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

•**Field:** w_srrn (Relative Record Number)

•**Condition:** The subfile is updated and displayed based on user interactions and the current state of the records.

2. Error Handling (FP100R)

•**Logic:** Displays error messages when validation fails or when an operation cannot be completed.

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

•**Fields:** Various fields depending on the error context.

•**Condition:** Errors are triggered based on validation checks throughout the program.

Subprogram Calls Affecting Logic

Beyond direct file checks, several external subprograms are called that play a significant role in the workflow.

1. RA530R (Pricing Group Validation)

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

•**Logic:** Validates the pricing group against existing records.

•**Impact:** Ensures that the pricing group is valid before proceeding with updates.

2. RA506R (Discount Category Validation)

•**Trigger:** Called when validating discount categories.

•**Logic:** Checks if the discount category exists.

•**Impact:** Prevents invalid discount categories from being processed.

3. RK500R (Customer Validation)

•**Trigger:** Called when validating customer records.

•**Logic:** Validates the customer against existing records.

•**Impact:** Ensures that only valid customers are associated with special pricing.

Use clear, business-friendly language to ensure that all stakeholders can understand the rules and logic governing the special pricing maintenance process.