FW112R.MBR

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Business Logic for FW112R

This document outlines the business rules that govern the maintenance of supplier items within the ASOFAK ERP system, based on an analysis of the RPG program FW112R. The primary focus is on the validation, updating, and retrieval of item details associated with suppliers.

The core logic for maintaining supplier items is contained within the *inzsr subroutine in FW112R. The program processes records by chaining to various files to retrieve and update item information based on user input and system parameters.

Order Status and Header Rules

FW112R: flval1, frlevl1, fvvarl5, flvalu

1. Retrieve Item Details

•**Logic:** The program retrieves item details from the flval1 file using a chain operation. If the record is not found, it exits the program.

•**File:** flval1 (Supplier Item File)

•**Field:** flval1_key

•**Condition:** The process will not proceed if the item record is not found (i.e., *in90 is on).

2. Initialize Screen

•**Logic:** Initializes the screen with item details and sets up the display for user interaction.

•**File:** flval1 (Supplier Item File)

•**Field:** Various fields initialized for display

•**Condition:** This step is executed after successfully retrieving the item details.

Configuration and Authorization Rules

1. Input Validation

•**Logic:** Validates input fields for the item. If any validation fails, it sets an error flag and returns to the display.

•**Files:**

•flval1 (Supplier Item File)

•rlevl1 (Supplier File)

•**Fields:**

•c2lvar (Item Number)

•c2tek1 (Description)

•**Condition:** The process will trigger an error if any required fields are invalid or if the item does not exist.

2. Update Item Record

•**Logic:** Updates the item record in the flvalu file with the new details entered by the user.

•**File:** flvalu (Updated Supplier Item File)

•**Field:** Various fields updated with new values

•**Condition:** The update occurs only if the item record is found (i.e., *in90 is off).

Financial and Transactional Rules

1. Calculate Profit Margin

•**Logic:** Computes the profit margin based on the supplier price and input price. If the supplier price is zero, it sets the margin to a predefined limit.

•**File:** flval1 (Supplier Item File)

•**Fields:**

•c2sapr (Supplier Price)

•c2inpr (Input Price)

•**Condition:** The calculation is performed only if the supplier price is not zero.

2. Retrieve Existing Prices

•**Logic:** If an item exists, the program retrieves existing prices and calculates the percentage change from the previous price.

•**File:** vvarl5 (Item Price History File)

•**Condition:** This step is executed only if the item number is not blank.

Special Conditions (Program-Specific)

1. Supplier Query Handling (FW112R)

•**Logic:** Handles supplier queries based on user input. If the user requests information on a specific field, it calls another program to fetch details.

•**File:** rlevl1 (Supplier File)

•**Field:** c2enhe (Item Number)

•**Condition:** This check is executed if the field being queried matches the specified criteria.

2. Error Handling (FW112R)

•**Logic:** Sets error flags based on validation results and displays appropriate messages to the user.

•**File:** flval1 (Supplier Item File)

•**Fields:** Various fields checked for validity

•**Condition:** The error handling routine is triggered if any validation fails.

Subprogram Calls Affecting Logic

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

1. FW110R (Display Status Codes)

•**Trigger:** Called when the user presses a specific function key to view status codes.

•**Logic:** Displays the status codes associated with the item.

•**Impact:** This call provides additional context to the user regarding the item's status.

2. FW113R (Item Validation)

•**Trigger:** Called during input validation to check the item details against business rules.

•**Logic:** Validates the item based on various parameters.

•**Impact:** This is a critical step that ensures only valid items are processed.

3. VP701R (Retrieve Historical Prices)

•**Trigger:** Called when retrieving existing prices for an item.

•**Logic:** Fetches historical pricing data for the item.

•**Impact:** This represents a key step in maintaining accurate pricing information for the item.

This documentation provides a comprehensive overview of the business logic implemented in the FW112R program, detailing how supplier items are maintained within the ASOFAK ERP system.