

FW112R.MBR

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Business Logic for FW112R

This document outlines the business rules that govern the maintenance of supplier items, based on an analysis of the RPG program FW112R. The primary focus is on the validation and updating of item details within the supplier item register.

The core logic for item maintenance is contained within the *inzsr subroutine in FW112R. The program processes records related to supplier items, retrieves necessary data, validates inputs, and updates the item records accordingly.

Order Status and Header Rules

FW112R: flval1, rlevl1, vvarl5, flvalu

1. Record Retrieval

- Logic:** The program retrieves the supplier item record based on the provided keys.
- File:** flval1 (Supplier Item File)
- Field:** flval1_key
- Condition:** The process will not proceed if the record is not found (*in90 is on).

2. Screen Initialization

- Logic:** Initializes the screen with current item details.
- File:** flval1 (Supplier Item File)
- Field:** Various fields including c2ldor, c2stat, c2lvar, etc.
- Condition:** This step is executed after successfully retrieving the item record.

Configuration and Authorization Rules

1. Input Validation

- Logic:** Validates the input fields for correctness and completeness.
- Files:**
 - flval1 (Supplier Item File)
 - rlevl1 (Supplier File)
- Fields:**
 - c2lvar (Item Number from flval1)
 - c2stat (Status from flval1)
- Condition:** The validation will trigger an error if any required fields are missing or incorrect.

2. Supplier Name Retrieval

- Logic:** Retrieves the supplier name based on the supplier key.
- File:** rlevl1 (Supplier File)
- Field:** rlnavn (Supplier Name)
- Condition:** This step is executed if the supplier record is found.

Financial and Transactional Rules

1. Price Calculation

- Logic:** Calculates the sales price including VAT based on the supplier's pricing.
- File:** vvarl5 (Item Price File)
- Fields:**
 - c2sapr (Sales Price)
 - c2inpr (Input Price)
- Condition:** The calculation is performed only if the sales price is not zero.

2. Updating Records

- Logic:** Updates the supplier item record with new values.
- File:** flvalu (Supplier Item Update File)
- Condition:** The update occurs only if the record is found (*in90 is off).

Special Conditions (Program-Specific)

1. Error Handling (FW112R)

- Logic:** Handles errors during input validation and processing.
- File:** flval1 (Supplier Item File)
- Field:** b_feil (Error Flag)
- Condition:** If any validation fails, the program will set the error flag and prevent further processing.

2. Subroutine Calls for Validation (FW113R)

- Logic:** Calls an external program to validate item details.
- File:** N/A (External Program)
- Fields:** Various parameters passed for validation.
- Condition:** This call is made during the input validation process.

Subprogram Calls Affecting Logic

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

1. FW110R (Status Code Display Program)

- Trigger:** Called when the user presses the F13 key.
- Logic:** Displays status codes related to the item.
- Impact:** This call provides additional context for the user regarding the status of the item.

2. VP701R (Price Retrieval Program)

- Trigger:** Called to retrieve existing prices for the item.
- Logic:** Fetches pricing information based on various parameters.
- Impact:** This is a critical step for ensuring accurate pricing information is displayed and updated.

3. FÅ705R (VAT Factor Retrieval Program)

- Trigger:** Called at the start of the program to get the current VAT factor.
- Logic:** Retrieves the VAT factor based on the current date and firm.
- Impact:** This ensures that all price calculations are based on the most current tax regulations.

This documentation provides a comprehensive overview of the business logic implemented in the FW112R program, detailing the rules and processes that govern the maintenance of supplier

items.