

FW112R.MBR

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Business Logic for Lev.vare Maintenance

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 records, as well as the handling of user input and interactions with other programs. The core logic for item maintenance is contained within the *inzsr subroutine in FW112R. The program processes records related to supplier items, validating inputs, and updating records based on user actions.

Order Status and Header Rules

Lev.vare: flval1, rlevl1, vvarl5, flvalu

1. Record Retrieval

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

2. Screen Initialization

- **Logic:** Initializes the screen with values from the retrieved item record.
- **File:** flval1 (Supplier Item File)
- **Field:** Various fields including c2ldor, c2stat, c2lvar, etc.
- **Condition:** This occurs after successfully retrieving the record.

Configuration and Authorization Rules

1. Input Validation

- **Logic:** Validates user inputs against business rules and constraints.
- **Files:**
 - flval1 (Supplier Item File)
 - rlevl1 (Supplier File)
- **Fields:**
 - c2lvar (Item Number from Supplier Item)
 - c2tek1, c2tek2 (Description fields)
- **Condition:** The validation will trigger if any input field does not meet the defined criteria, setting the error flag (b_feil).

2. Status Code Display

- **Logic:** Displays status codes based on user input.
- **File:** flval1 (Supplier Item File)
- **Field:** c2stat
- **Condition:** Triggered when the user presses the F13 key (*inkm is on).

Financial and Transactional Rules

1. Price Calculation

• **Logic:** Calculates sales prices including VAT based on input values.

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

• **Fields:**

• c2sapr (Sales Price)

• c2inpr (Input Price)

• **Condition:** This calculation is performed during the item maintenance process.

2. Update Records

• **Logic:** Updates the supplier item record with new values from the screen.

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

• **Condition:** The update occurs only if the record retrieval was successful (*in90 is off).

Special Conditions (Program-Specific)

1. Error Handling (FW112R)

• **Logic:** Handles errors during input validation and record processing.

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

• **Field:** b_feil

• **Condition:** If any validation fails, the program will redirect the user back to the input screen.

2. Supplier Name Retrieval (FW112R)

• **Logic:** Retrieves the supplier name based on the supplier key.

• **File:** rlevl1 (Supplier File)

• **Fields:** rlnavn (Supplier Name)

• **Condition:** This retrieval occurs if the supplier key is valid (*in91 is off).

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 the F13 key.

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

• **Impact:** This call provides additional context for the user regarding the item status.

2. FW113R (Item Validation)

• **Trigger:** Called during input validation.

• **Logic:** Validates the item against business rules.

• **Impact:** This is a critical step that determines whether the user can proceed with the maintenance operation.

3. VP701R (Price Retrieval)

• **Trigger:** Called when existing prices need to be fetched.

• **Logic:** Retrieves historical price data for the item.

• **Impact:** This represents the handoff to the next major business function of price management.

This documentation provides a comprehensive overview of the business logic implemented in the FW112R program, detailing how it processes supplier item maintenance, validates inputs, and interacts with other components of the system.