

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, including dimensions, weights, and pricing.

The core logic for maintaining supplier items is contained within the *inzsr subroutine in FW112R. The program processes records related to supplier items, validates input fields, and updates the necessary records in the database.

Order Status and Header Rules

FW112R: FLVAL1, RLEVL1, VVARL5, FLVALU

1. Record Retrieval

- Logic:** The program attempts to retrieve a record from the FLVAL1 file using a key composed of firm, supplier, and line number.
- File:** FLVAL1 (Supplier Item File)
- Field:** FLVAL1_KEY
- Condition:** The process will not proceed if the record is not found (*in90 is on).

2. Input Field Validation

- Logic:** Validates input fields for errors and sets flags accordingly.
- File:** N/A
- Field:** Various input fields
- Condition:** The process will not continue if validation fails (b_feil is on).

Configuration and Authorization Rules

1. Supplier Information Retrieval

- Logic:** Retrieves supplier name from the RLEVL1 file if the supplier record is found.
- Files:**
 - RLEVL1 (Supplier File)
- Fields:**
 - RLEV1_KEY (Key for supplier lookup)
- Condition:** The supplier name is fetched only if the record is found (*in91 is off).

2. Price Group Determination

- Logic:** Calls another program to determine the price group based on the current firm.
- File:** N/A
- Field:** N/A
- Condition:** This is executed as part of the initialization process.

Financial and Transactional Rules

1. Price Update Logic

- Logic:** Updates pricing information based on the current values and recalculates sales prices including VAT.
- File:** FLVALU (Supplier Item Price File)
- Fields:**
 - FWSPAR (Sales Price)
 - FWINPR (Input Price)
- Condition:** The update occurs only if the record is found (*in90 is off).

2. Price Change Calculation

- Logic:** Calculates the percentage change in price based on previous and current values.
- File:** N/A
- Condition:** This calculation is performed if previous prices exist (c2ingm and c2sagm are not zero).

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Special Conditions (Program-Specific)

1. Input Field Check (FW113R)

- Logic:** Calls a validation program to check the integrity of item details.
- File:** N/A
- Field:** Various input fields
- Condition:** The check is performed before proceeding with updates.

2. Date Validation

- Logic:** Validates the expiration date and other date fields to ensure they are not in the past.
- File:** N/A
- Fields:** C2DATO, C2UDAT
- Condition:** The validation is performed during the input check subroutine.

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Subprogram Calls Affecting Logic

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

1. FW113R (Item Validation Program)

- Trigger:** Called during input validation to ensure item details are correct.
- Logic:** Validates various fields related to the supplier item.
- Impact:** This call acts as a **critical validation step** before any updates are made.

2. VA510R (Query Program)

- Trigger:** Called when the user requests additional information on a specific field.
- Logic:** Retrieves detailed information based on the current input.
- Impact:** Provides necessary data for user queries, enhancing the user experience.

3. FÅ705R (VAT Calculation Program)

- Trigger:** Called during initialization to fetch VAT rates for the current firm.
- Logic:** Retrieves VAT factors necessary for pricing calculations.
- Impact:** Ensures that all prices are calculated accurately with respect to current tax regulations.