

JX100R.MBR

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Business Logic for Vare-pris Maintenance

This document outlines the business rules that govern the maintenance of item prices within the ERP system, based on an analysis of the RPG program JX100R. The primary focus is on the logic that handles the creation, updating, and validation of item prices, as well as the interaction with related data structures.

The core logic for price maintenance is contained within the *inzsr subroutine in JX100R. This subroutine initializes the program, retrieves item information, and sets up the necessary keys for database operations.

Order Status and Header Rules

Vare-pris Maintenance: fjvprlr, fjvprl1, fjvprlu, fjvarl1, fjlevl1, fjvlelr, favall1

1. Valid Date Check

- Logic:** The program checks if a valid date is filled out for the price entry.
- File:** fjvprlr (Item Price Records)
- Field:** jvprlr_gdat
- Condition:** The process will not proceed if the jvprlr_gdat (valid date) is not filled.

2. Item Existence Check

- Logic:** The program verifies if the item exists in the database before allowing price updates.
- File:** fjvarl1 (Item Records)
- Field:** jvarl1_vare
- Condition:** The process will not allow updates if the item does not exist in fjvarl1.

Configuration and Authorization Rules

1. Field Write Protection

- Logic:** Certain fields are write-protected based on firm-specific validation rules.
- Files:**
 - favall1 (Firm-Specific Validation)
- Fields:**
 - avall1_apgm (Program Name)
- Condition:** Fields are write-protected if the validation condition is met for the current firm.

2. Supplier Validation

- Logic:** The program checks if the supplier exists before allowing price updates.
- File:** fjlevl1 (Supplier Records)
- Field:** jlevl1_idor
- Condition:** The process will not allow updates if the supplier does not exist in fjlevl1.

Financial and Transactional Rules

1. Price Update Logic

- Logic:** The program updates the price record in the database based on user input.
- File:** fjvprlu (Item Price Update Records)
- Fields:**
 - jvprlu_Idor (Supplier ID)
 - jxpris (Price)
- Condition:** The update will occur if the input validation passes.

2. Price Deletion Logic

- Logic:** The program allows for the deletion of price records based on user confirmation.
 - File:** fjvprlr (Item Price Records)
 - Condition:** The deletion will proceed if the user confirms the action.
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Special Conditions (Program-Specific)

1. Display of Expired Prices

- Logic:** The program is designed to show expired prices when entering the maintenance screen for the first time.
- File:** fjvprlr (Item Price Records)
- Field:** jvprlr_gdat
- Condition:** Expired prices will be displayed if the condition is met.

2. Cross Docking Check

- Logic:** The program checks if cross docking is applicable for the item being maintained.
 - File:** fjvprlr (Item Price Records)
 - Fields:** jxcrdo (Cross Docking Indicator)
 - Condition:** The program will check the cross docking status before finalizing the price update.
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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. JK101R (Logistics Item Update)

- Trigger:** Called after a price update to reflect changes in logistics.
- Logic:** Updates logistics-related information for the item.
- Impact:** Ensures that logistics data is consistent with the updated price.

2. JV790R (Search Text Update)

- Trigger:** Called after a price update to refresh search text.
- Logic:** Updates search text entries in the database.
- Impact:** Ensures that search functionalities reflect the latest price information.

3. JL500R (Supplier Validation)

- Trigger:** Called during supplier checks for various fields.
- Logic:** Validates supplier information based on user input.
- Impact:** Prevents invalid supplier entries from being processed, ensuring data integrity.