

# 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 how item prices are created, updated, and validated within the system.

The core logic for item price maintenance is contained within the \*inzsr subroutine in JX100R. This subroutine initializes the program, sets up necessary keys for database access, and processes user inputs to manage item prices.

## Order Status and Header Rules

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

### 1. Check for Valid From Date

- Logic:** The program checks if a valid "from date" is filled out when creating or updating an item price.
- File:** fjvprlr (Item Price Records)
- Field:** jvprlr\_gdat
- Condition:** "The process will not allow the creation of a price record if jvprlr\_gdat is not filled out."

### 2. Display Outdated Prices

- Logic:** Outdated prices are displayed when the user accesses the price maintenance screen for the first time.
- File:** fjvprlr (Item Price Records)
- Field:** jvprlr\_rsts
- Condition:** "The program will show records marked as outdated if jvprlr\_rsts is set to 0."

## Configuration and Authorization Rules

### 1. Field Protection Based on User Settings

- Logic:** Certain fields are set to read-only based on user-defined settings.
- Files:**
  - favall1 (Field Protection Settings)
  - fjvprlr (Item Price Records)
- Fields:**
  - avall1\_apgm (from favall1)
  - jvprlr\_rsts (from fjvprlr)
- Condition:** "Fields are protected if the corresponding settings in favall1 indicate that they should be."

### 2. Validation of Supplier

- Logic:** The program checks if the supplier exists before allowing price updates.
- File:** fjlevl1 (Supplier Records)
- Field:** jlevl1\_idor

- Condition:** "The process will not proceed if jlevl1\_idor does not match an existing supplier."

## Financial and Transactional Rules

### 1. Price Update Logic

- Logic:** When updating an item price, the system checks if the price is valid and updates the corresponding records.
- File:** fjvprlu (Item Price Update Records)
- Fields:**
  - jvprlu\_idor (Supplier ID)
  - jxpris (New Price)
- Condition:** "The update will only occur if the new price (jxpris) is greater than zero."

### 2. Deletion of Price Records

- Logic:** The program allows for the deletion of price records if the user confirms the action.
- File:** fjvprlr (Item Price Records)
- Condition:** "The deletion will proceed only if the user confirms the action in the deletion confirmation window."

## Special Conditions (Program-Specific)

### 1. Display Message for Existing Records (JX100R)

- Logic:** If a user attempts to create a price record that already exists, a message is displayed.
- File:** fjvprlr (Item Price Records)
- Field:** jvprlr\_idor
- Condition:** "The program will show a message if jvprlr\_idor already exists in the database."

### 2. Handling of Expired Prices (JX100R)

- Logic:** The program checks if all price records for an item are expired and updates the display accordingly.
- File:** fjvprlr (Item Price Records)
- Fields:** jvprlr\_gdat (Price Date), jvprlr\_rsts (Status)
- Condition:** "If all prices are expired, the program will indicate this in the user interface."

## 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 when an item price is updated.
- Logic:** This program updates related logistics information for the item.
- Impact:** "This call ensures that logistics data remains consistent with the latest pricing information."

### 2. JV790R (Search Text Update)

- Trigger:** Called after a price update to refresh search text.
- Logic:** This program updates search text for the item based on the new price.
- Impact:** "This ensures that search functionalities reflect the most current pricing information."

### 3. JL500R (Supplier Lookup)

- Trigger:** Called when validating supplier information during price updates.
- Logic:** This program checks if the supplier exists and retrieves relevant details.
- Impact:** "This call acts as a validation step to ensure that all price updates are associated with valid suppliers."

This documentation provides a comprehensive overview of the business logic governing the item price maintenance process within the ERP system.