

# VP110R.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 ASOFAK ERP system, based on an analysis of the RPG program VP110R. The primary focus is on the rules and logic related to the management of item prices, including the addition, deletion, and display of price records.

The core logic for price maintenance is contained within the initiating av program subroutine in VP110R. The program processes records related to item prices, allowing users to view, modify, and delete prices associated with items and their suppliers.

## Order Status and Header Rules

Vare-pris: vvprpfr, vvprl1, vvprlu, vvarpfr, vvenpfr, vltpfr, ra30pfr, venhpfr, jlevpfr, jvprpfr, lodtpfr

### 1. Price Deletion Rule

- Logic:** Prices can only be deleted if there are no existing orders associated with the item. If an item has orders, the deletion is blocked.
- File:** vvprlr (Item Price File)
- Field:** b\_best
- Condition:** "The process will not allow deletion if b\_best is set to \*on, indicating that there are orders for the item."

### 2. Supplier Price Deletion Rule

- Logic:** If the last price for a supplier is deleted, the supplier will be removed from the inventory.
- File:** vvprlr (Item Price File)
- Field:** b\_enhe
- Condition:** "If b\_enhe is set to \*off, indicating that there are no prices left for the supplier, the supplier will be removed from inventory."

## Configuration and Authorization Rules

### 1. Price Group Check Rule

- Logic:** The program checks if the price group is blank before allowing a price deletion. If it is blank, deletion is permitted.
- Files:**
  - vvprlr (Item Price File)
  - vvprlu (Item Price Update File)
- Fields:**
  - vvprlr\_prgr (Price Group)
  - vvprlu\_prgr (Price Group)
- Condition:** "The deletion of a price is allowed if vvprlr\_prgr is blank."

### 2. Supplier Existence Check Rule

- Logic:** Before deleting a price, the program checks if the supplier exists in the system.

- File:** vvenl1 (Supplier File)
- Field:** venhl1\_eenh
- Condition:** "The process will not delete a price if the supplier does not exist."

## Financial and Transactional Rules

### 1. Price Calculation Rule

- Logic:** The program calculates the coverage rate based on the cost price and selling price.
- File:** vvprlr (Item Price File)
- Fields:**
  - b1sapr (Cost Price)
  - b1kopr (Selling Price)
- Condition:** "If b1sapr is 0, the coverage rate is retrieved from the item or subgroup."

### 2. Price Update Rule

- Logic:** When a price is updated, the program checks if the new price is valid and updates the relevant records accordingly.
- File:** vvprlu (Item Price Update File)
- Condition:** "The update will occur only if the new price is different from the existing price."

## Special Conditions (Program-Specific)

### 1. Supplier Deletion Condition (VP110R)

- Logic:** The program checks if there are any prices associated with a supplier before allowing the deletion of the supplier.
- File:** vvprlr (Item Price File)
- Field:** b\_pris
- Condition:** "The supplier will not be deleted if b\_pris is set to \*on, indicating that there are prices associated with the supplier."

### 2. Price Group Expansion Rule (VP110R)

- Logic:** The program has been expanded to allow for a price group of up to 2 positions.
- File:** ra30l1 (Price Group File)
- Fields:** ra30l1\_dkod (Price Group Code), c2prgr (Price Group)
- Condition:** "The program will handle price groups that are up to 2 characters long."

## Subprogram Calls Affecting Logic

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

### 1. CO402R (Price Group Visibility Check)

- Trigger:** Called during the initialization of the program.
- Logic:** This program checks if the price group visibility is set to not show blank prices.
- Impact:** "This call acts as a **major logical gateway** for determining whether to display prices based on their group."

### 2. VL711R (Price Group Validation)

- Trigger:** Called if the u\_701 flag is set to \*on.

- Logic:** This program validates the price group for the item.

- Impact:** "This is a **critical validation step** that ensures only valid price groups are processed."

### 3. xh1win (Display Handling for Options)

- Trigger:** Called when displaying options for item prices.

- Logic:** This program handles the display of various options related to item pricing.

- Impact:** "This represents the handoff to the next major business function of displaying item prices and options."

This documentation provides a comprehensive overview of the business logic implemented in the VP110R program, ensuring that users understand the rules governing item price maintenance within the ASOFAK ERP system.