

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 in the ASOFAK ERP system, based on an analysis of the RPG program VP110R. The primary focus is on the logic related to the management of item prices, including the addition, deletion, and display of prices associated with items.

The core logic for price maintenance is contained within the subfile subroutine in VP110R. This subroutine processes records related to item prices, allowing users to view, update, and delete price entries.

Order Status and Header Rules

Vare-pris Maintenance: vvprpfr, vvprl1r, vvprlu, vvarpfr, vvenpfr, vltpfr

1. Display Prices

- Logic:** The program displays a list of prices associated with an item, allowing users to view current pricing information.
- File:** vvprpfr (Item Price File)
- Field:** Various fields including vpfir, vpvare, vpldor
- Condition:** The display occurs when the subfile is populated with relevant price records.

2. Delete Prices

- Logic:** Prices can be deleted if certain conditions are met, such as ensuring that no orders exist for the item.
- File:** vvprpfr (Item Price File)
- Field:** b1valg
- Condition:** The deletion is allowed only if b1valg is set to 4 (indicating a delete action) and if there are no existing orders for the item.

Configuration and Authorization Rules

1. Check for Existing Orders

- Logic:** Before allowing a price deletion, the program checks if there are any existing orders for the item.
- Files:**
 - lodtlv (Order Line Item File)
 - vvprl1 (Item Price List File)
- Fields:**
 - d1enhe (Item Unit)
 - ldldor (Supplier)
- Condition:** If an order exists for the item, the deletion is blocked, and a message is displayed.

2. Price Group Validation

- Logic:** The program checks if the price group is valid before allowing updates or deletions.

- File:** vvprpfr (Item Price File)
- Field:** vvprlr_prgr
- Condition:** The price group must not be blank; otherwise, the operation is restricted.

Financial and Transactional Rules

1. Calculate Coverage Degree

- Logic:** The program calculates the coverage degree based on the cost price and selling price.
- File:** vvprpfr (Item Price File)
- Fields:**
 - b1sapr (Cost Price)
 - b1koppr (Selling Price)
- Condition:** If the cost price is zero, the program retrieves the coverage degree from the item or subgroup.

2. Update Item Price

- Logic:** The program updates the item price in the database when changes are made.
- File:** vvprlu (Updated Item Price File)
- Condition:** The update occurs after validating the new price against existing records.

Special Conditions (Program-Specific)

1. Delete Price for Subcontractor (VP110R)

- Logic:** Prices can be deleted for subcontractors without restrictions, even if they are the last price.
- File:** vvprpfr (Item Price File)
- Field:** vpldor
- Condition:** If the supplier is a subcontractor, deletion is allowed regardless of existing prices.

2. Remove Supplier from Inventory (VP110R)

- Logic:** If the last price for a subcontractor is deleted, the supplier is removed from the inventory.
- File:** vvenl1 (Supplier Inventory File)
- Fields:** vvenlu_enhe
- Condition:** This action is triggered when the last price for the subcontractor is deleted.

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 initialization to check if price groups should be displayed.
- Logic:** This program checks visibility settings for price groups based on parameters.
- Impact:** It determines whether the program should filter out blank price groups in the display.

2. xh1win (Alternative Options Handling)

- Trigger:** Called when handling function keys related to alternative options.
- Logic:** This subroutine manages user interactions with alternative options in the GUI.
- Impact:** It affects how users can navigate and interact with the price maintenance interface.

3. sjekk_best (Order Check)

- Trigger:** Called to verify if an item is on order before allowing price deletion.
- Logic:** This subroutine checks the order records for the specified item.
- Impact:** It ensures that no price deletions occur if there are pending orders, maintaining data integrity.