

VP110R.MBR

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Business Logic for Vare-pris Vedlikehold

This document outlines the business rules that govern the maintenance of item prices in the ERP system, based on an analysis of the RPG program VP110R. The primary focus is on the logic related to the handling of item prices, including creation, updates, deletions, and validations.

The core logic for managing item prices is contained within the initiering av program subroutine in VP110R. This program handles various operations related to item pricing, including displaying prices in a subfile, validating user inputs, and ensuring that business rules are adhered to when modifying price records.

Order Status and Header Rules

Vare-pris: vvprpfr, vvprl1r, vvprlur, vvarpfr, vvenpfr, vltppfr

1. Display Prices

- Logic:** The program reads item prices from the database and displays them in a subfile for user interaction.
- File:** vvprpfr (Item Price File)
- Field:** vpfirm, vpvare
- Condition:** The program will not display records if the firm or item code does not match the provided parameters.

2. Delete Prices

- Logic:** Prices can be deleted if there are no active orders associated with the item.
- File:** vvprpfr (Item Price File)
- Field:** b1valg
- Condition:** The deletion will only proceed if b_best is not set to *on, indicating no orders exist for the item.

Configuration and Authorization Rules

1. Check for Existing Prices

- Logic:** Before allowing a price to be deleted, the program checks if there are any existing prices for the item.
- Files:**
 - vvprlr (Item Price Record)
 - lodtlv (Order Line Item)
- Fields:**
 - d1enhe (Unit of Measure)
 - vpenhe (Unit of Measure)
- Condition:** The deletion is blocked if there are still prices associated with the unit of measure.

2. Check for Price Group

- Logic:** The program checks if a price group is blank and allows deletion if no prices exist for that group.

- File:** vvprlr (Item Price Record)
 - Field:** vvprlr_prgr
 - Condition:** The deletion is allowed if d1prgr is blank or if the price group is not used.
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Financial and Transactional Rules

1. Calculate Coverage Rate

- Logic:** The program calculates the coverage rate 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 coverage rate is derived from the item or subgroup.

2. Update Item Price

- Logic:** When updating an item price, the program checks if the new price is valid and updates the database accordingly.
 - File:** vvprlu (Updated Item Price File)
 - Condition:** The update will only proceed if the new price is not equal to the existing price.
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Special Conditions (Program-Specific)

1. Allow Deletion of Supplier Prices (VP110R)

- Logic:** The program allows deletion of prices associated with a supplier if no other prices exist for that supplier.
- File:** vvprlr (Item Price Record)
- Field:** vpldor
- Condition:** The deletion is permitted if b_pris is set to *off, indicating no prices are associated with the supplier.

2. Check for Active Orders (VP110R)

- Logic:** The program checks if there are any active orders before allowing the deletion of an item price.
 - File:** lodtlv (Order Line Item)
 - Fields:** d1enhe, p_ldor
 - Condition:** The deletion is blocked if b_best is set to *on, indicating that there are active orders for the item.
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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. CO402R (Price Group Check)

- Trigger:** Called during program initialization to check for price group visibility.
- Logic:** This program checks if the price group is blank and sets a flag accordingly.
- Impact:** This affects the visibility of prices in the user interface.

2. xh1win (Display Window for Options)

- Trigger:** Called when the user interacts with specific function keys.
- Logic:** Displays a window for handling various options related to item prices.
- Impact:** This allows users to make selections regarding item price management.

3. xd1win (Delete Confirmation Window)

- Trigger:** Called when the user attempts to delete an item price.
- Logic:** Displays a confirmation window before proceeding with the deletion.
- Impact:** This ensures that users confirm their actions, reducing accidental deletions.