VP110R.MBR

Path: NXCLOUD/rpgsrc/VP110R.MBR **Generated**: 2026-01-08 12:59:20 **Processing Time**: 13226ms

–

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 VP110R. The primary focus is on how item prices are created, updated, deleted, and displayed in the system.

The core logic for price maintenance is contained within the init subroutine in VP110R. The program processes records related to item prices, allowing users to manage pricing information effectively through a subfile interface.

–

Order Status and Header Rules

Vare-pris Maintenance: vvprlr, vvprl1, vvprlu, vvarl1, vvenl1, vltpl1

1. Display Subfile Records

•**Logic:** The program reads and displays records from the subfile for item prices, allowing users to view existing prices and their details.

•**File:** vvprlr (Item Price Records)

•**Field:** b1sfl

•**Condition:** The subfile is populated only if there are existing records to display.

2. Delete Price Records

•**Logic:** Prices can be deleted if there are no active orders associated with the item or if the price is linked to a subcontractor.

•**File:** vvprlr (Item Price Records)

•**Field:** b1valg

•**Condition:** The deletion is allowed only if the condition checks confirm that the item is not on order.

–

Configuration and Authorization Rules

1. Price Group Validation

•**Logic:** The program checks if a price group is valid before allowing updates or deletions of prices.

•**Files:**

•vvprlr (Item Price Records)

•ra30l1 (Price Group Records)

•**Fields:**

•w_prgr (Price Group)

•vvprlr_prgr (Price Group from Item Price)

•**Condition:** The program only allows actions if the price group exists in the ra30l1 file.

2. Subcontractor Price Deletion

•**Logic:** Prices associated with subcontractors can always be deleted.

•**File:** vvprlr (Item Price Records)

- **Field:** vpldor (Supplier)
- **Condition:** The program checks if the supplier is a subcontractor before allowing deletion.

–

Financial and Transactional Rules

1. Price Calculation

- **Logic:** The program calculates the coverage rate based on the cost price and the selling price.
- **File:** vvprlr (Item Price Records)
- **Fields:**
- b1sapr (Selling Price)
- b1kopr (Cost Price)
- **Condition:** The calculation is performed only if the selling price is not zero.

2. Price Update Logic

- **Logic:** When updating prices, the program ensures that the new price does not conflict with existing records.
- **File:** vvprlu (Updated Item Price Records)
- **Condition:** The update is allowed only if the price does not already exist for the item.

–

Special Conditions (Program-Specific)

1. Order Check Before Deletion (VP110R)

- **Logic:** The program checks for existing orders before allowing the deletion of an item price.
- **File:** lodtlv (Order Lines)
- **Field:** b_best
- **Condition:** If there are active orders for the item, the deletion is blocked.

2. Subfile Refresh Logic (VP110R)

- **Logic:** The program refreshes the subfile display after any changes to ensure the user sees the most current data.
- **File:** b1sfl (Subfile for Item Prices)
- **Fields:** w_srrn, w_spge
- **Condition:** The refresh occurs whenever the user performs an action that modifies the data.

–

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 initialization to check for valid price groups.
- **Logic:** This program verifies if the price group is valid and sets a flag accordingly.
- **Impact:** This call acts as a **major logical gateway** for determining whether price group-related actions can proceed.

2. VL711R (Validation Logic)

- **Trigger:** Called conditionally based on the price group settings.
- **Logic:** This program performs additional validation checks on item prices.
- **Impact:** Ensures that the program adheres to business rules regarding price visibility.

3. xd1win (Delete Confirmation Window)

•**Trigger:** Invoked when a user attempts to delete a price record.

•**Logic:** This subroutine displays a confirmation window to the user.

•**Impact:** Represents the handoff to the next major business function of confirming deletions.

This documentation provides a comprehensive overview of the business logic implemented in the VP110R program for managing item prices within the ERP system.