VT100R.MBR

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Business Logic for VT100R

This document outlines the business rules that govern the pricing and maintenance of offers in the ERP system, based on an analysis of the RPG program VT100R. The primary focus is on the logic that handles the display and management of offer prices.

The core logic for managing offer prices is contained within the subfile subroutine in VT100R. This subroutine processes records related to offer prices, allowing for the creation, updating, and deletion of offers based on user input and system validations.

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Order Status and Header Rules

VT100R: vtillr, vti2lr, vtillu, vtill1, vtill2, vtill3, vtill4, vtill5, vtill6, vtill8, vtill9, vvarl1, vltpl1, fra30l1, fvvenl1, frlevl1, fvogrl1, fvhgrl1, fvugrl1

1. Check for Existing Unit

•**Logic:** The program checks if a unit exists for the item before proceeding with any updates or deletions.

•**File:** vtillr (Offer Prices)

•**Field:** vtillr_vare

•**Condition:** "The process will not proceed if vtillr_vare is blank."

2. Price Group Validation

•**Logic:** The program validates that the price group is specified when creating or updating offers.

•**File:** vtillr

•**Field:** vtillr_prgr

•**Condition:** "The process will not allow creation or updates if vtillr_prgr is blank."

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Configuration and Authorization Rules

1. User Authorization Check

•**Logic:** The program checks if the user has the necessary permissions to modify offer prices.

•**Files:**

•vtillr (Offer Prices)

•vvenl1 (Vendor Information)

•**Fields:**

•vtillr_lety (Delivery Type from vtillr)

•vvenl1_enhe (Unit from vvenl1)

•**Condition:** "The process will not allow modifications if the user lacks permissions."

2. Date Validation

•**Logic:** The program ensures that the start and end dates for offers are valid and in the correct format.

•**File:** vtillr

•**Field:** vtillr_fdat, vtillr_tdat

•**Condition:** "The process will not proceed if vtillr_fdat is greater than vtillr_tdat."

Financial and Transactional Rules

1. Offer Price Calculation

•**Logic:** The program calculates the offer price based on the selected enhancements and their respective percentages.

•**File:** vtillr

•**Fields:**

•vtillr_prgr (Price Group)

•vtillr_lety (Delivery Type)

•**Condition:** "The calculation will not occur if the base price is not set."

2. Update Offer Prices

•**Logic:** The program updates the offer prices in the database after validation checks.

•**File:** vtillr

•**Condition:** "The update will not occur if validation fails for any of the required fields."

Special Conditions (Program-Specific)

1. Vendor Specific Price Changes (VT100R)

•**Logic:** The program allows for price changes specific to a vendor, ensuring that only authorized changes are made.

•**File:** vvenl1 (Vendor Information)

•**Field:** vvenl1_enhe

•**Condition:** "Changes will only be applied if the vendor is valid and the user has permissions."

2. Price Group Expansion (VT100R)

•**Logic:** The program has been expanded to support multiple price groups for offers.

•**File:** vtillr

•**Fields:** vtillr_prgr (Price Group)

•**Condition:** "The system will not allow more than two positions for the price group."

Subprogram Calls Affecting Logic

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

1. VP715R (Price Calculation Program)

•**Trigger:** Called when calculating offer prices.

•**Logic:** This program retrieves and calculates the necessary pricing based on vendor and item data.

•**Impact:** "This call acts as a major logical gateway for determining final offer prices."

2. VE550R (Vendor Query Program)

•**Trigger:** Called during the validation of vendor-related fields.

•**Logic:** This program checks vendor details and retrieves relevant information.

•**Impact:** "This ensures that only valid vendor information is processed."

3. VG510R, VG511R, VG512R (Group Validation Programs)

•**Trigger:** Called to validate group information for offers.

•**Logic:** These programs check the integrity of group data and ensure compliance with business rules.

•**Impact:** "These calls are essential for maintaining the integrity of group-related pricing logic."

This documentation serves as a guide to understanding the business logic implemented in the VT100R program, ensuring clarity in how offer prices are managed and validated within the ERP system.