

# 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 related to managing offer prices, including validations, updates, and user interactions.

The core logic for managing offer prices is contained within various subroutines in VT100R. The program handles user input, validates data, and interacts with multiple files to maintain the integrity of offer pricing.

### Order Status and Header Rules

**VT100R:** vtillr, vti2lr, vtillu, vti2lu, vtil1, vtil2, vtil3, vtil4, vtil5, vtil6, vtil8, vtil9, vvarl1, vtpl1, fra30l1, fvenl1, frlevl1, fvogrl1, fhggrl1, fvugrl1

#### 1. Check for Existing Unit

- Logic:** The program checks if a unit exists for the item before proceeding with updates or changes.

- File:** vtillr (Offer Prices)

- Field:** vtillr\_vare

- Condition:** "The process will not select a record if vtillr\_vare is blank."

#### 2. Price Group Handling

- Logic:** The program manages different price groups for offers, ensuring that the correct group is applied during maintenance.

- File:** vtillr (Offer Prices)

- Field:** vtillr\_prgr

- Condition:** "The price group must be specified when maintaining an offer."

### 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\_firm (from vtillr)

- vvenl1\_vare (from vvenl1)

- Condition:** "The user must be authorized to modify records in both files."

#### 2. Mandatory Fields Validation

- Logic:** The program ensures that all mandatory fields are filled before allowing any updates to the offer prices.

- File:** vtillr (Offer Prices)

- Field:** vtillr\_fdat, vtillr\_tdat
- Condition:** "The process will not proceed if vtillr\_fdat or vtillr\_tdat is zero."

## Financial and Transactional Rules

### 1. Price Calculation Logic

- Logic:** The program calculates the offer price based on various factors, including discounts and tax rates.
- File:** vtillr (Offer Prices)
- Fields:**
  - vtillr\_pgr (Price Group)
  - vtillr\_fdat (From Date)
- Condition:** "The offer price is calculated only if the price group is valid."

### 2. Price Update Notification

- Logic:** The program notifies the user if the price has changed for a specific unit.
- File:** vtillr (Offer Prices)
- Condition:** "A message is displayed if the updated price differs from the existing price."

## Special Conditions (Program-Specific)

### 1. Subfile Management (VT100R)

- Logic:** The program manages subfile operations, including displaying, updating, and deleting records.
- File:** b1sfl (Subfile)
- Field:** b1valg
- Condition:** "The subfile is refreshed and displayed based on user actions."

### 2. Error Handling during Input

- Logic:** The program checks for errors during input and provides feedback to the user.
- File:** vtillr (Offer Prices)
- Fields:** vtillr\_fdat, vtillr\_tdat
- Condition:** "Errors are flagged if the input dates are invalid."

## 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 Subprogram)

- Trigger:** Called during the price update process.
- Logic:** This program calculates the final offer price based on input parameters.
- Impact:** "This call acts as a **critical calculation step** in determining the offer price."

### 2. VG510R (Group Validation Subprogram)

- Trigger:** Called when validating group information.
- Logic:** This program checks the validity of the specified group.
- Impact:** "This is a **validation step** that ensures data integrity."

### 3. VV500R (Item Validation Subprogram)

- Trigger:** Called when validating item information.

- Logic:** This program retrieves and validates item details.

- Impact:** "This represents the **data retrieval and validation** phase for items."

Use clear, business-friendly language. Fill in all sections with details from the code. Output only the Markdown.