

# VT100R.MBR

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## Business Logic for VT100R

This document outlines the business rules that govern the handling of offer prices and maintenance within the RPG program VT100R. The primary focus is on the logic related to managing pricing groups, validating input, and processing subfiles.

The core logic for managing offer prices is contained within the subfile subroutine in VT100R. The program processes various records related to pricing, including validation checks and updates to the subfile based on user input.

### Order Status and Header Rules

VT100R: vtillr, vti2lr, vtillu, vti2lu, vtil1, vtil2, vtil3, vtil4, vtil5, vtil6, vtil8, vtil9, vvarl1, vtpl1, fra30l1, vvenl1, frlevl1, fvogrl1, fvhgrl1, fvugrl1

#### 1. Check for Existing Item

- **Logic:** The program checks if an item exists before processing any pricing updates.
- **File:** vtillr (Offer Prices)
- **Field:** vtillr\_vare
- **Condition:** The process will not select a record if vtillr\_vare is not found.

#### 2. Price Group Validation

- **Logic:** The program ensures that a price group is specified when updating or creating offer prices.
- **File:** vtillr (Offer Prices)
- **Field:** vtillr\_prgr
- **Condition:** The process will not proceed if vtillr\_prgr is blank.

### 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\_vare (from vtillr)
  - vvenl1\_enhe (from vvenl1)
- **Condition:** The process will not allow updates if the user is not authorized.

#### 2. Input Validation for Dates

- **Logic:** The program validates that the input dates are in the correct format and logical order.
- **File:** vtillr (Offer Prices)
- **Field:** vtillr\_fdat, vtillr\_tdat
- **Condition:** The process will raise an error if vtillr\_fdat is greater than vtillr\_tdat.

# Financial and Transactional Rules

## 1. Price Calculation Based on Enhancements

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

•**File:** vtillr (Offer Prices)

•**Fields:**

•vtillr\_prgr (Price Group)

•vtillr\_lety (Delivery Type)

•**Condition:** The calculation will only occur if enhancements are specified and valid.

## 2. Price Change Notification

•**Logic:** The program notifies the user if the price has changed for a specific item.

•**File:** vtillr (Offer Prices)

•**Condition:** The notification is triggered if the current price differs from the previous price.

# Special Conditions (Program-Specific)

## 1. Subfile Management (VT100R)

•**Logic:** The program manages the display and updates of the subfile containing offer prices.

•**File:** b1sfl (Subfile)

•**Field:** b1valg

•**Condition:** The subfile is updated based on user actions, such as adding, deleting, or modifying records.

## 2. Error Handling for Input Validation (VT100R)

•**Logic:** The program handles errors related to user input and displays appropriate messages.

•**File:** c1msg (Message Display)

•**Fields:**

•c1tek1 (Description)

•c1ltxt (Additional Text)

•**Condition:** The process will display an error message if validation fails.

# Subprogram Calls Affecting Logic

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

## 1. VG510R (Group Validation)

•**Trigger:** Called during the validation of group fields.

•**Logic:** Validates if the specified group exists.

•**Impact:** Ensures that only valid groups are processed in the offer pricing logic.

## 2. VV500R (Item Validation)

•**Trigger:** Called when validating item numbers.

•**Logic:** Checks if the item number exists and retrieves its details.

•**Impact:** Prevents processing of invalid items, ensuring data integrity.

## 3. RA530R (Price Group Validation)

•**Trigger:** Called when validating price groups.

•**Logic:** Validates the price group and retrieves its description.

•**Impact:** Ensures that only valid price groups are used in calculations.

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