

# 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, based on an analysis of the RPG program VT100R. The primary focus is on the logic related to the management of pricing groups, product details, and supplier information. The core logic for the management of offer prices is contained within the forny subroutine in VT100R. This subroutine processes various records related to pricing, including the validation of input fields and the updating of subfiles based on user interactions.

## Order Status and Header Rules

VT100R: vtillr, vti2lr, vtillu, vti2lu, 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 modifications.
- File:** vtillr (Offer Prices)
- Field:** vtillr\_vare
- Condition:** The process will not proceed if the vtillr\_vare field is blank.

### 2. Price Group Validation

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

## Configuration and Authorization Rules

### 1. Supplier Existence Check

- Logic:** The program checks if the supplier exists before allowing any operations related to the supplier.
- Files:**
- rlevl1 (Supplier Information)
- Fields:**
- rlevl1\_levr (Supplier ID)
- Condition:** The operation will not proceed if the supplier ID does not exist in the rlevl1 file.

### 2. Group Validation

- Logic:** The program checks that the group fields are populated correctly before allowing further processing.
- File:** vtillr (Offer Prices)
- Field:** vtillr\_ogrp, vtillr\_hgrp, vtillr\_ugrp

- Condition:** The process will not allow updates if any of the group fields are not properly filled.
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## Financial and Transactional Rules

### 1. Price Change Notification

- Logic:** The program notifies the user if the price has changed for any of the specified units.

- File:** vtillr (Offer Prices)

- Fields:**

- s\_tip1 (Tip 1)

- s\_tip2 (Tip 2)

- s\_tip3 (Tip 3)

- Condition:** The notification will trigger if any of the tip fields differ from the original values.

### 2. Date Validation

- Logic:** The program validates that the start date is not greater than the end date for offer pricing.

- File:** vtillr (Offer Prices)

- Condition:** The process will not allow submission if the start date is greater than the end date.
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## Special Conditions (Program-Specific)

### 1. Subfile Handling (VT100R)

- Logic:** The program handles the creation and management of subfiles for displaying offer prices.

- File:** b1sfl (Subfile)

- Field:** Various fields related to offer prices.

- Condition:** The subfile will be cleared and filled based on the current state of the offer prices.

### 2. Input Validation (VT100R)

- Logic:** The program validates all input fields to ensure they meet the necessary criteria before processing.

- File:** Various files related to offer prices and supplier information.

- Fields:** Various fields including c1vare, c1ogrp, c1hgrp, etc.

- Condition:** The process will not proceed if any validation checks fail.
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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. VG510R (Group Validation Program)

- Trigger:** Called when validating group fields.

- Logic:** This program checks if the provided group exists in the database.

- Impact:** Ensures that the group information is valid before proceeding with offer price updates.

### 2. VV500R (Item Validation Program)

- Trigger:** Called when validating item numbers.

- Logic:** This program checks if the item exists and retrieves its details.

- Impact:** Prevents updates to offer prices for non-existent items.

### 3. RA530R (Price Group Validation Program)

- Trigger:** Called when validating price groups.

- Logic:** This program checks if the price group is valid and retrieves its description.
- Impact:** Ensures that the pricing structure is maintained correctly.