SI500R.MBR

Path: NXCLOUD/rpgsrc/SI500R.MBR **Generated**: 2026-01-08 12:59:07 **Processing Time**: 13008ms

–

Business Logic for SI500R

This document outlines the business rules that govern the purchase query process, based on an analysis of the RPG program SI500R. The primary focus is on how the program handles user input, validates it, and calls other programs to retrieve purchase-related data.

The core logic for handling the purchase query is contained within the spØrring subroutine in SI500R. The program interacts with various data files to validate input and fetch relevant purchase information based on user selections.

–

Order Status and Header Rules

SI500R: sistpf, rlevl1, klal1, vvarl1, vvasl1

1. Input Validation

•**Logic:** The program checks if the required fields for supplier and item number are filled. If both are empty, an error is flagged.

•**File:** sistpf (Main input file)

•**Field:** b1valn, b1vare

•**Condition:** The process will not proceed if both b1valn (supplier) and b1vare (item number) are equal to 0.

2. Date Validation

•**Logic:** Validates the date input to ensure it is in the correct format.

•**File:** sistpf (Main input file)

•**Field:** b1bida

•**Condition:** The process will flag an error if b1bida is not a valid date.

–

Configuration and Authorization Rules

1. Supplier Code Validation

•**Logic:** Checks if the supplier code exists in the supplier file. If not, an error is flagged.

•**Files:**

•rlevl1 (Supplier file)

•**Fields:**

•rlevl1_levr (Supplier code from input)

•**Condition:** The process will flag an error if the supplier code does not exist in the rlevl1 file.

2. Item Number Validation

•**Logic:** Validates the item number against the item file. If it does not exist, an error is flagged.

•**File:** vvarl1 (Item file)

•**Field:** vvarl1_vare

•**Condition:** The process will flag an error if the item number does not exist in the vvarl1 file.

–

Financial and Transactional Rules

1. Supplier Query Handling

•**Logic:** If a supplier is selected, the program calls another program to retrieve supplier details.

•**File:** sistpf (Main input file)

•**Fields:**

•w_firm (Firm code)

•b1valn (Supplier number)

•**Condition:** The program calls RL500R if wactfe equals 'B1VALN'.

2. Item Query Handling

•**Logic:** If an item number is provided, the program calls another program to retrieve item details.

•**File:** sistpf (Main input file)

•**Condition:** The program calls VV500R if wactfe equals 'B1VARE'.

Special Conditions (Program-Specific)

1. Error Handling (SI500R)

•**Logic:** The program flags errors based on various input checks and displays appropriate messages.

•**File:** sistpf (Main input file)

•**Field:** b_feil

•**Condition:** The program sets b_feil to *on if any validation fails. Note: This is crucial for user feedback.

2. Date Initialization (SI500R)

•**Logic:** Initializes the date field for processing.

•**File:** sistpf (Main input file)

•**Fields:** w_dato (Current date), w_dato_alf (Formatted date)

•**Condition:** The program sets w_dato to the current system date at the start of processing.

Subprogram Calls Affecting Logic

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

1. SI501R (Supplier Query Program)

•**Trigger:** Called when a supplier is selected and validated.

•**Logic:** Retrieves detailed information about the selected supplier.

•**Impact:** This call acts as a **major logical gateway** for supplier-related data retrieval.

2. SI502R (Item Query Program)

•**Trigger:** Called when an item number is selected and validated.

•**Logic:** Retrieves detailed information about the selected item.

•**Impact:** This call provides essential item details for further processing.

3. RL500R (Supplier Details Program)

•**Trigger:** Called when the supplier code is validated.

•**Logic:** Fetches additional details related to the supplier.

•**Impact:** This call enhances the supplier information available for the user interface.

4. VV500R (Item Details Program)

•**Trigger:** Called when the item number is validated.

•**Logic:** Fetches additional details related to the item.

•**Impact:** This call provides comprehensive item information necessary for purchase queries.