SI500R.MBR

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Business Logic for SI500R

This document outlines the business rules that govern the purchase inquiry process, based on an analysis of the RPG program SI500R. The primary focus is on how the program handles user input, validates data, and calls other programs for processing purchase inquiries.

The core logic for handling the purchase inquiry is contained within the spØrring subroutine in SI500R. The program processes user input for various purchase parameters and invokes other programs to retrieve relevant data based on the input provided.

Input Validation and Error Handling Rules

SI500R: sistpf, rlevl1, klal1, vvarl1, vvasl1

1. Check Required Fields

•**Logic:** Validates that at least one of the supplier or item number fields is filled in. If both are empty, an error flag is set.

•**File:** sistpf (Main input file)

•**Field:** b1valn, b1vare

•**Condition:** The process will set an error if both b1valn (supplier number) and b1vare (item number) are equal to 0.

2. Validate Supplier Number

•**Logic:** Checks if the supplier number exists in the supplier file. If not, an error flag is set.

•**File:** rlevl1 (Supplier file)

•**Field:** rlevl1_levr

•**Condition:** The process will set an error if the supplier number (b1valn) does not match any record in the supplier file.

3. Validate Item Number

•**Logic:** Checks if the item number exists in the item file. If not, an error flag is set.

•**File:** vvarl1 (Item file)

•**Field:** vvarl1_vare

•**Condition:** The process will set an error if the item number (b1vare) does not match any record in the item file.

Data Processing and Retrieval Rules

1. Retrieve Supplier Information

•**Logic:** If the supplier number is valid, the program retrieves the supplier's name and other details.

•**Files:**

•rlevl1 (Supplier file)

•**Fields:**

•rlnavn (Supplier name)

•**Condition:** The supplier information is retrieved only if the supplier number is valid.

2. Retrieve Item Information

•**Logic:** If the item number is valid, the program retrieves the item description and other details.

•**Files:**

•vvarl1 (Item file)

•**Fields:**

•vvtek1 (Item description)

•**Condition:** The item information is retrieved only if the item number is valid.

Program Invocation Rules

1. Call Purchase Inquiry Program for Supplier

•**Logic:** If no item number is provided, the program calls the SI501R program to handle the inquiry for the supplier.

•**File:** N/A

•**Condition:** This call is made when b1vare (item number) is equal to 0.

2. Call Purchase Inquiry Program for Item

•**Logic:** If an item number is provided, the program calls the SI502R program to handle the inquiry for the item.

•**File:** N/A

•**Condition:** This call is made when b1vare (item number) is not equal to 0.

Special Conditions (Program-Specific)

1. Error Handling (SI500R)

•**Logic:** The program sets an error flag if any input validation fails, preventing further processing.

•**File:** sistpf (Main input file)

•**Field:** b_feil

•**Condition:** The error flag is set to *on if any validation check fails.

Subprogram Calls Affecting Logic

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

1. SI501R (Supplier Inquiry Program)

•**Trigger:** Called when the user provides a supplier number but no item number.

•**Logic:** This program processes the inquiry for the supplier and retrieves relevant data.

•**Impact:** This call acts as a **major logical gateway** for supplier inquiries.

2. SI502R (Item Inquiry Program)

•**Trigger:** Called when the user provides an item number.

•**Logic:** This program processes the inquiry for the item and retrieves relevant data.

•**Impact:** This call represents the handoff to the next major business function for item inquiries.

3. RL500R (Supplier Details Program)

•**Trigger:** Called within the spØrring subroutine when the user selects to inquire about a supplier.

•**Logic:** This program retrieves detailed information about the supplier based on the provided supplier number.

•**Impact:** This call enhances the inquiry process by providing detailed supplier information.

This documentation provides a comprehensive overview of the business logic encapsulated within the SI500R program, detailing the rules and processes that govern the purchase inquiry functionality.