

SF160R.MBR

Path: NXCLOUD/rpgsrc/SF160R.MBR **Generated:** 2026-01-09 10:13:45 **Processing Time:** 10275ms

Business Logic for Sales Statistics Registration

This document outlines the business rules that govern the sales statistics registration process based on an analysis of the RPG program SF560R. The primary focus is on the logic that handles user input, validation, and the interaction with other programs to retrieve customer and project information.

The core logic for handling the opening screen and processing user input is contained within the b1 subroutine in SF560R. The program initializes the screen, checks input fields, and calls other programs to retrieve necessary data based on user input.

Input Validation and Processing Rules

Sales_Statistics: SF160D, Rkunl1, Fkprl1

1. Input Field Initialization

- Logic:** Initializes the screen with the current date and prepares the input fields for user interaction.
- File:** SF160D (Screen display file)
- Field:** w_dato, w_dato_alf
- Condition:** The program sets the date fields to the current date upon initialization.

2. Input Field Checks

- Logic:** Validates user input fields to ensure they meet required criteria before proceeding.
- Files:**
 - Rkunl1 (Customer master file)
 - Fkprl1 (Customer project file)
- Fields:**
 - b1vkun (Customer number)
 - b1kpro (Customer project number)
- Condition:** The program checks if the customer and project numbers are valid and exist in their respective files. If not, it sets an error flag.

Customer and Project Retrieval Rules

1. Customer Retrieval

- Logic:** Retrieves customer details based on the customer number provided by the user.
- Files:**
 - Rkunl1 (Customer master file)
- Fields:**
 - rkunl1_kund (Customer number)
 - b1knav (Customer name)
- Condition:** If the customer number is not found in the Rkunl1 file, an error flag is set.

2. Project Retrieval

- Logic:** Retrieves project details based on the customer project number provided by the user.
 - Files:**
 - Fkprl1 (Customer project file)
 - Fields:**
 - fkprl1_kund (Customer number)
 - fkprl1_kpro (Project number)
 - b1pnav (Project name)
 - Condition:** If the project number is not found in the Fkprl1 file, an error flag is set.
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Special Conditions (Program-Specific)

1. Error Handling (SF560R)

- Logic:** Handles errors encountered during input validation and data retrieval.
- File:** SF160D (Screen display file)
- Field:** b_feil
- Condition:** If any validation fails, the program sets the error flag and prevents further processing.

2. Date Validation (SF560R)

- Logic:** Validates that the input date is in the correct format and within acceptable limits.
 - File:** SF160D (Screen display file)
 - Condition:** If the date is invalid, an error flag is set, and the user is prompted to correct it.
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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. SF161R (Sales Statistics Query Program)

- Trigger:** Called after user input is validated and ready for processing.
- Logic:** This program processes the sales statistics based on parameters passed from SF560R.
- Impact:** This call acts as a **major logical gateway** for generating sales statistics.

2. RK500R (Customer Details Retrieval)

- Trigger:** Called when the user selects a customer for which details are needed.
- Logic:** Retrieves customer details based on the firm and customer number.
- Impact:** This affects the overall process by ensuring that valid customer information is displayed.

3. FL500R (Project Details Retrieval)

- Trigger:** Called when the user selects a project for which details are needed.
- Logic:** Retrieves project details based on the firm, customer number, and project number.
- Impact:** This represents the handoff to the next major business function of processing project-related information.