

SF160R.MBR

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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 how the program handles input validation and data retrieval for sales statistics.

The core logic for processing sales statistics is contained within the sjekk_input subroutine in SF560R. The program initializes the screen, checks input fields, and retrieves customer and project information based on the provided parameters.

Input Validation and Initialization Rules

Sales_Statistics: SF560R

1. Input Date Validation

- Logic:** The program checks if the input date (b1bida) is valid and not zero. If it is valid, it moves the date to a working variable.
- File:** sf160d (Workstation display file)
- Field:** b1bida
- Condition:** The process will not proceed if b1bida is equal to 0 or if the date format is invalid.

2. Customer Validation

- Logic:** The program checks if the customer ID (b1vkun) is provided. If not, it defaults to the parameter value. It then attempts to retrieve the customer name from the rkunl1 file.
- File:** rkunl1 (Customer master file)
- Field:** b1vkun
- Condition:** The process will not proceed if b1vkun is not found in the rkunl1 file.

3. Project Validation

- Logic:** If a project ID (b1kpro) is provided, the program attempts to retrieve the project name from the fkprl1 file using the customer ID.
- File:** fkprl1 (Project master file)
- Field:** b1kpro
- Condition:** The process will not proceed if b1kpro is not found in the fkprl1 file.

Parameter Handling Rules

1. Parameter Initialization

- Logic:** The program initializes parameters for firm, customer, project, and other relevant fields from the input parameters.
- File:** sf160d (Workstation display file)
- Fields:**
 - p_firm (Firm identifier)
 - p_vkun (Customer identifier)
 - p_kpro (Project identifier)

•**Condition:** The parameters must be passed correctly for the program to function.

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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:** This program is called after input validation is completed.

•**Logic:** It retrieves detailed sales statistics based on the parameters provided, including firm, customer, project, and date.

•**Impact:** This call acts as a **major logical gateway** to retrieve and process sales data.

2. RK500R (Customer Information Retrieval Program)

•**Trigger:** This program is called if the action field (wactfe) indicates a customer lookup.

•**Logic:** It retrieves customer details based on the firm and customer ID.

•**Impact:** This is essential for validating customer information and ensuring accurate data retrieval.

3. FL500R (Project Information Retrieval Program)

•**Trigger:** This program is called if the action field indicates a project lookup.

•**Logic:** It retrieves project details based on the firm, customer, and project ID.

•**Impact:** This represents the handoff to the next major business function, ensuring project details are correctly associated with the sales statistics.

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This documentation captures the essential business logic and rules governing the sales statistics registration process in the SF560R program, providing a clear understanding of how data is validated and processed.