

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 programs SF560R and SF161R. The primary focus is on the validation and processing of sales order data.

The core logic for handling the sales statistics registration is contained within the sjekk_input and spØrring subroutines in SF560R. The program processes input parameters, validates them, and calls another program for further processing based on the validated data.

Order Status and Header Rules

Sales Statistics Registration: stapf, rkunl1, fkprl1

1. Customer Validation

- Logic:** The program checks if the customer ID exists in the rkunl1 file. If not found, it sets an error indicator.
- File:** rkunl1 (Customer master file)
- Field:** rkunl1_kund
- Condition:** The process will not proceed if the customer ID (b1vkun) does not exist in the rkunl1 file.

2. Project Validation

- Logic:** The program checks if the customer project ID exists in the fkprl1 file. If not found, it sets an error indicator.
- File:** fkprl1 (Customer project file)
- Field:** fkprl1_kpro
- Condition:** The process will not proceed if the project ID (b1kpro) does not exist in the fkprl1 file.

Configuration and Authorization Rules

1. Date Validation

- Logic:** The program checks if the input date (b1bida) is valid and within the acceptable range. If invalid, it sets an error indicator.
- Files:**
 - stapf (Sales statistics file)
- Fields:**
 - b1bida (Input date)
- Condition:** The process will not proceed if the date is invalid or outside the expected format.

2. Firm Validation

- Logic:** The program verifies that the firm ID (w_firm) is correctly passed and matches the expected values.
- File:** stapf (Sales statistics file)
- Field:** w_firm

- Condition:** The process will not proceed if the firm ID is not valid.
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Financial and Transactional Rules

1. Sales Order Parameters

- Logic:** The program collects and prepares parameters for the sales order processing, ensuring all required fields are populated.
- File:** stapf (Sales statistics file)
- Fields:**
 - p_kode (Sales code)
 - p_firm (Firm ID)
- Condition:** The process will not proceed if any required parameter is missing.

2. Error Handling

- Logic:** The program sets an error flag (b_feil) if any validation fails, preventing further processing.
 - File:** stapf (Sales statistics file)
 - Condition:** The process will terminate if b_feil is set to *on*.
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Special Conditions (Program-Specific)

1. Customer Lookup (SF560R)

- Logic:** The program calls RK500R to retrieve customer details based on the firm and customer ID.
- File:** rkunl1 (Customer master file)
- Field:** b1vkun
- Condition:** This check is essential for ensuring the customer exists before proceeding with sales statistics registration.

2. Project Lookup (SF560R)

- Logic:** The program calls FL500R to retrieve project details based on the firm, customer ID, and project ID.
 - File:** fkprl1 (Customer project file)
 - Fields:** b1kpro (Project ID), b1vkun (Customer ID)
 - Condition:** This check is crucial for ensuring the project is valid before processing sales statistics.
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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 Processing Program)

- Trigger:** Called after validating input fields and parameters.
- Logic:** Processes the sales statistics based on the parameters passed from SF560R.
- Impact:** This call acts as a **major logical gateway** to finalize the sales statistics registration.

2. RK500R (Customer Details Retrieval Program)

- Trigger:** Called during the input validation phase for customer information.
- Logic:** Retrieves customer details based on the firm and customer ID.

- Impact:** Ensures that valid customer data is used in the sales statistics registration.

3. FL500R (Project Details Retrieval Program)

- Trigger:** Called during the input validation phase for project information.

- Logic:** Retrieves project details based on the firm, customer ID, and project ID.

- Impact:** Validates project data, ensuring accurate sales statistics registration.