

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 input validation and data retrieval logic used to process sales order information.

The core logic for handling the opening screen and input validation is contained within the B1 and sjekk_input subroutines in SF560R. The program processes user input, validates it, and calls another program (SF161R) to handle further processing based on the validated data.

Input Validation and Field Rules

Sales_Statistics: rkunl1, fkprl1

1. Customer Validation

- **Logic:** Checks if the customer ID exists in the customer file. If not found, it sets an error flag.
- **File:** rkunl1 (Customer Master File)
- **Field:** rkunl1_kund
- **Condition:** The process will not proceed if the customer ID (b1vkun) is not found in the rkunl1 file.

2. Project Validation

- **Logic:** Checks if the customer project ID exists in the project file. If not found, it sets an error flag.
- **File:** fkprl1 (Customer Project File)
- **Field:** fkprl1_kpro
- **Condition:** The process will not proceed if the project ID (b1kpro) is not found in the fkprl1 file.

Date and Input Rules

1. Date Validation

- **Logic:** Validates the date format and checks if the date is valid. If invalid, it sets an error flag.
- **File:** N/A
- **Field:** b1bida
- **Condition:** The process will not proceed if the date (b1bida) is not in a valid format.

2. Required Fields Check

- **Logic:** Ensures that all required fields are filled. If any required field is empty, it sets an error flag.
- **File:** N/A
- **Field:** b1paar
- **Condition:** The process will not proceed if b1paar is equal to 0.

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 input validation is successful.
- **Logic:** This program processes the validated sales statistics data and performs necessary calculations or updates.
- **Impact:** This call acts as a **major logical gateway** to handle the main processing of sales statistics.

2. RK500R (Customer Details Retrieval Program)

- **Trigger:** Called when the action field indicates a customer lookup.
 - **Logic:** Retrieves customer details based on the customer ID.
 - **Impact:** Provides essential customer information needed for further processing.
- ## 3. FL500R (Project Details Retrieval Program)
- **Trigger:** Called when the action field indicates a project lookup.
 - **Logic:** Retrieves project details based on the project ID.
 - **Impact:** Supplies necessary project information that may influence sales statistics calculations.

This documentation provides a clear overview of the business logic implemented in the SF560R program, focusing on input validation and the subsequent processing of sales statistics. The rules outlined ensure that the data integrity is maintained before any further actions are taken.