

FL100R.MBR

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Business Logic for FL100R

This document outlines the business rules that govern the customer project maintenance process, based on an analysis of the RPG program FL100R. The primary focus is on the logic surrounding the management of customer projects, including filtering, searching, and displaying project details. The core logic for handling customer projects is contained within the subfile subroutine in FL100R. This program manages the display and interaction with customer project records, allowing users to create, update, delete, and filter projects based on various criteria.

Order Status and Header Rules

FL100R: fkpspf, fkprlr, fkprlu, fkprl1, fkprl2, fkprl3, fkprl5, fkprl6, rkunl1

1. Record Filtering

- Logic:** The program filters records based on user input and specific conditions, ensuring only relevant projects are displayed.
- File:** fkpspf (Customer Project File)
- Field:** flfirm, flskun, flskpr, flstek
- Condition:** The process will not select a record if the firm does not match the current firm or if the project status is outdated based on user-defined criteria.

2. Project Display

- Logic:** The program displays the customer projects in a subfile format, allowing users to navigate through records.
- File:** fkpspf (Customer Project File)
- Field:** flfirm, flskun, flskpr, flstek
- Condition:** The subfile will only populate if there are valid records to display based on the filtering criteria.

Configuration and Authorization Rules

1. User Permissions Check

- Logic:** The program checks user permissions to determine if they can access certain features such as special pricing and discount matrices.
- Files:**
 - fkpspf (Customer Project File)
 - rkunl1 (Customer File)
- Fields:**
 - fkprl1_kund (from fkpspf)
 - rkunl1_kund (from rkunl1)
- Condition:** Access to special pricing features is granted only if the user has the appropriate permissions set in the system.

2. Customer Validation

- Logic:** The program validates customer entries to ensure they exist in the database before proceeding with operations.
 - File:** rkunl1 (Customer File)
 - Field:** rkunl1_kund
 - Condition:** The process will not proceed if the customer does not exist in the rkunl1 file.
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Financial and Transactional Rules

1. Project Creation and Update

- Logic:** The program allows for the creation and updating of customer projects, ensuring all necessary fields are filled out correctly.
- File:** fkprlr (Customer Project Register)
- Fields:**
 - fkprlr_kund (Customer ID)
 - fkprlr_kpro (Project ID)
- Condition:** A project cannot be created or updated if required fields are missing or invalid.

2. Project Deletion

- Logic:** The program facilitates the deletion of customer projects, ensuring that all related records are handled properly.
 - File:** fkprlr (Customer Project Register)
 - Condition:** The deletion will not proceed if the project is linked to other active records, ensuring data integrity.
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Special Conditions (Program-Specific)

1. Special Pricing and Discount Matrix Handling (FL100R)

- Logic:** The program checks if special pricing and discount matrices should be displayed based on user settings.
- File:** fkprlr (Customer Project Register)
- Field:** fkprlr_kund
- Condition:** The program will enable special pricing features if the corresponding flags are set in the user interface.

2. Data Cleaning for Newlook Compatibility (FL100R)

- Logic:** The program cleans up customer names to ensure compatibility with the Newlook interface by removing unsupported characters.
 - File:** fkprlr (Customer Project Register)
 - Fields:** b1navn (Customer Name)
 - Condition:** This cleaning process is executed before displaying the names in the user interface.
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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. CO402R (Configuration Check Program)

- Trigger:** Called during initialization to check user permissions for special pricing.

- Logic:** This program checks if the user is allowed to access special pricing and discount matrices.

- Impact:** This call determines whether certain features will be enabled or disabled in the main program.

2. RK500R (Customer Query Program)

- Trigger:** Called when validating customer entries in various contexts.

- Logic:** This program retrieves customer details based on the provided customer ID.

- Impact:** It ensures that only valid customers can be processed in the main program.

3. FL400R (Project Deletion Program)

- Trigger:** Called when a user attempts to delete a customer project.

- Logic:** This program handles the deletion of a project and any associated records.

- Impact:** This represents a critical step in maintaining data integrity during project deletions.