

# 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 and display of customer projects within the system.

The core logic for managing customer projects is contained within the subfile subroutine in FL100R. The program handles various user interactions, including filtering, searching, and updating customer project records.

### Order Status and Header Rules

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

#### 1. Display Subfile Records

- **Logic:** The program reads records from the subfile and displays them based on user actions and filters applied.
- **File:** fkpspf (Customer project file)
- **Field:** Various fields from fkpspf
- **Condition:** The subfile is populated based on the current filter settings and user inputs.

#### 2. Filter Projects

- **Logic:** The user can filter the displayed projects based on specific criteria, such as customer number or project name.
- **File:** fkpspf (Customer project file)
- **Field:** flskun, flskpr, flstek
- **Condition:** The filter is applied when the user presses the F1 key, and only projects matching the filter criteria are displayed.

### Configuration and Authorization Rules

#### 1. User Permissions for Special Prices and Discounts

- **Logic:** The program checks if the user has permission to view or edit special prices and discount matrices.

##### • **Files:**

- fkprlu (Customer project update file)

- fkprlr (Customer project read file)

##### • **Fields:**

- fkprlu\_kund (Customer number from update file)

- fkprlr\_kund (Customer number from read file)

- **Condition:** The user's permissions are determined at the start of the program, affecting access to certain features.

#### 2. Customer Validation

- **Logic:** The program validates the selected customer against the customer database to ensure the customer exists.

- **File:** rkunl1 (Customer lookup file)
  - **Field:** rkunl1\_kund
  - **Condition:** Validation occurs when a customer number is entered, and the program checks for existence in the database.
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## Financial and Transactional Rules

### 1. Project Update Logic

- **Logic:** When a project is updated, the program ensures that all relevant fields are correctly populated and updated in the database.
- **File:** fkprlr (Customer project read file)
- **Fields:**
  - fkprlr\_kund (Customer number)
  - fkprlr\_kpro (Project number)
- **Condition:** Updates are processed when the user confirms changes via the appropriate function keys.

### 2. Delete Project Logic

- **Logic:** The program allows for the deletion of a customer project, ensuring that all related records are also removed.
  - **File:** fkprlr (Customer project read file)
  - **Condition:** The delete operation is triggered when the user selects the delete option from the menu.
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## Special Conditions (Program-Specific)

### 1. Data Cleaning for Newlook Compatibility (FL100R)

- **Logic:** The program cleans up customer names to ensure compatibility with the Newlook interface, removing unsupported characters.
- **File:** fkpspf (Customer project file)
- **Field:** b1navn (Customer name)
- **Condition:** This cleaning process occurs before displaying names in the subfile.

### 2. External Project Number Handling (FL100R)

- **Logic:** The program manages the external project numbers, ensuring they are correctly linked to the customer projects.
  - **File:** fkprl6 (External project file)
  - **Fields:** fkprl6\_epro (External project number)
  - **Condition:** This handling occurs during the project creation and update processes.
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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 (Special Prices and Discount Matrix)

- **Trigger:** Called during program initialization to check user permissions for special pricing.
- **Logic:** This program checks if the user has access to special pricing features.

- Impact:** This affects whether the user can view or edit special prices and discount matrices.

## **2. RK500R (Customer Lookup)**

- Trigger:** Called when validating customer numbers during various user interactions.

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

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

## **3. FL400R (Delete Customer Project)**

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

- Logic:** This program handles the deletion process, ensuring all related records are also removed.

- Impact:** Represents the final step in removing a customer project from the database.

This documentation provides a comprehensive overview of the business logic implemented in the FL100R program, detailing the rules, conditions, and interactions that govern customer project maintenance.