

FL100R.MBR

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Business Logic for Customer Project Maintenance

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 related to subfile handling, user interactions, and data validation.

The core logic for customer project maintenance is contained within the main routine of FL100R. This program processes customer projects, allowing for creation, modification, and deletion of project records while providing a user interface for interaction.

Order Status and Header Rules

Customer Project Maintenance: fkpspf, fkprlr, fkprlu, fkprl1, fkprl2, fkprl3, fkprl5, fkprl6, rkunl1

1. Record Selection

- Logic:** The program selects records based on user input and filters for specific criteria, including customer number, project number, and seller.
- File:** fkpspf (Customer Project File)
- Field:** flsfir, flskun, flskpr, flstek
- Condition:** The program will not select a record if the project number is not provided or if the project is marked as expired.

2. Subfile Display

- Logic:** The program displays a subfile containing customer projects, allowing users to navigate through the records.
- File:** b1sfl (Subfile for Customer Projects)
- Field:** b1kund, b1kpro, b1navn
- Condition:** The subfile will be populated with records based on the current filter settings and user selections.

Configuration and Authorization Rules

1. User Permissions

- 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:**
 - fkprlu_kund (Customer Key from Project)
 - rkunl1_kund (Customer Key)
- Condition:** The program will restrict access to features if the user does not have the appropriate permissions.

2. Data Validation

- Logic:** The program validates user input when creating or modifying project records to ensure data integrity.
- File:** fkprlr (Customer Project Register)
- Field:** fkprlr_kund, fkprlr_kpro
- Condition:** The program will not allow the creation of a project if the customer number or project number is invalid.

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Financial and Transactional Rules

1. Project Expiration Handling

- Logic:** The program checks if a project is expired and determines whether it should be displayed in the subfile.
- File:** fkpspf (Customer Project File)
- Fields:**
 - fltdat (Expiration Date)
 - flepro (External Project Number)
- Condition:** Projects with an expiration date earlier than the current date will not be displayed if the filter for expired projects is active.

2. Record Deletion

- Logic:** The program allows users to delete project records, ensuring that all related data is handled correctly.
- File:** fkprlr (Customer Project Register)
- Condition:** The program will prompt for confirmation before deleting a record and will check for any dependencies that may prevent deletion.

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Special Conditions (Program-Specific)

1. Special Pricing and Discount Matrix Handling (FL100R)

- Logic:** The program includes logic to handle special pricing and discount matrices based on user settings.
- File:** fkprlr (Customer Project Register)
- Field:** fkprlr_kund, fkprlr_kpro
- Condition:** This check is enabled based on user permissions and will affect how pricing is calculated for projects.

2. Data Cleaning for Newlook Compatibility (FL100R)

- Logic:** The program cleans up data to ensure compatibility with the Newlook interface, removing unsupported characters.
- File:** b1sfl (Subfile for Customer Projects)
- Fields:** b1navn (Customer Name)
- Condition:** The cleaning routine is called before displaying the subfile to ensure that the data does not cause display issues.

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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. RK500R (Customer Query Program)

- Trigger:** Called when validating customer information during project creation or modification.
- Logic:** This program retrieves customer details based on the provided customer number.
- Impact:** Ensures that the correct customer information is displayed and validated before proceeding with project operations.

2. FL105R (Project Maintenance Program)

- Trigger:** Called when creating or modifying project records.
- Logic:** This program handles the detailed maintenance of project records, including validation and updates.
- Impact:** Represents a critical step in ensuring that project data is accurately maintained and updated.

3. FL400R (Project Deletion Program)

- Trigger:** Called when a user confirms the deletion of a project.
- Logic:** This program handles the deletion of a project and any associated data.
- Impact:** Ensures that all dependencies are checked and that the deletion is executed safely without data integrity issues.