

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 related to managing customer projects, including filtering, searching, and displaying project details.

The core logic for customer project management is contained within the subfile subroutine in FL100R. The program processes records related to customer projects, allowing users to create, update, delete, and search for projects.

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 specific criteria such as customer number, project number, and seller number.
- **File:** FKPSPF (Customer Project File)
- **Field:** Various fields including flkund, flkpro, flselg
- **Condition:** The process will not select a record if the project is marked as outdated and the filter option is enabled.

2. Project Display

- **Logic:** The program displays customer projects in a subfile format, allowing users to navigate through the records.
- **File:** FKPSPF (Customer Project File)
- **Field:** flstek (Project Status)
- **Condition:** The display will show only active projects unless the option to show outdated projects is selected.

Configuration and Authorization Rules

1. User Permissions

- **Logic:** The program checks user permissions for accessing specific functionalities like editing or deleting projects.

• Files:

- FKPSPF (Customer Project File)

- Rkunl1 (Customer File)

• Fields:

- fkprlr_kund (Customer Number from FKPSPF)

- rkunl1_kund (Customer Number from Rkunl1)

- **Condition:** Users must have the appropriate permissions set in the system to perform actions like updating or deleting projects.

2. Project Creation

- **Logic:** The program allows the creation of new projects based on user input and validation checks.
 - **File:** FKPSF (Customer Project File)
 - **Field:** flkpro (Project Number)
 - **Condition:** A new project can only be created if the project number does not already exist in the database.
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Financial and Transactional Rules

1. Project Deletion

- **Logic:** The program handles the deletion of projects and ensures that related records are also updated accordingly.
- **File:** FKPSF (Customer Project File)
- **Fields:**
 - fkprlr_kund (Customer Number)
 - fkprlr_kpro (Project Number)
- **Condition:** A project can be deleted only if it is not linked to any active transactions or records.

2. Project Update

- **Logic:** The program allows users to update project details, ensuring that all fields are validated before saving changes.
 - **File:** FKPSF (Customer Project File)
 - **Condition:** The update process will not proceed if required fields are left blank or contain invalid data.
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Special Conditions (Program-Specific)

1. Email Notification (FL100R)

- **Logic:** The program sends email notifications when a project is created or updated.
- **File:** FKPSF (Customer Project File)
- **Field:** flselg (Seller Number)
- **Condition:** Email notifications are triggered only if the project status is set to active.

2. Data Cleaning (FL100R)

- **Logic:** The program includes a subroutine to clean up data that may cause issues with the user interface.
 - **File:** FKPSF (Customer Project File)
 - **Fields:** Various fields that may contain problematic characters
 - **Condition:** The cleaning process is executed before displaying data to the user.
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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 during customer selection and validation.
- **Logic:** This program retrieves customer details based on the provided customer number.

- Impact:** Ensures that only valid customers are associated with projects.

2. FL400R (Project Deletion Program)

- Trigger:** Called when a project is deleted.

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

- Impact:** Represents the handoff to the next major business function of maintaining data integrity.

3. CO402R (Special Pricing and Discount Matrix)

- Trigger:** Called to check if special pricing or discount matrices should be displayed.

- Logic:** This program checks user permissions and settings related to special pricing.

- Impact:** Affects the visibility of pricing options during project creation and updates.