

FL100R.MBR

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Business Logic for Kundeprojekt Maintenance

This document outlines the business rules that govern the maintenance of customer projects, based on an analysis of the RPG program FL100R. The primary focus is on the logic related to subfile handling, user interaction, and data validation.

The core logic for managing customer projects is contained within the subfile subroutine in FL100R. The program processes user inputs, interacts with various files, and updates the display accordingly.

Order Status and Header Rules

Kundeprojekt: 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.
- File:** fkpspf (Customer Project File)
- Field:** Various fields including flsfir, flskun, flskpr, flstek
- Condition:** The subfile is populated based on the current user input and filters applied (e.g., showing only active projects).

2. Filter Projects

- Logic:** Users can filter the displayed projects based on specific criteria such as customer number, project number, and seller.
- File:** fkpspf (Customer Project File)
- Field:** h1kund, h1epro
- Condition:** The filter is applied when the user presses the F1 key or other designated function keys.

Configuration and Authorization Rules

1. User Permissions for Special Prices

- Logic:** The program checks if the user has permission to view or modify special prices and discount matrices.
- Files:**
 - fkpspf (Customer Project File)
 - rkunl1 (Customer File)
- Fields:**
 - fkprl5_selg (Seller)
 - rkunl1_kund (Customer)
- Condition:** Permissions are checked at the start of the program and are used to control access to certain functionalities.

2. Project Copying Permissions

- Logic:** Users can copy existing projects if they have the necessary permissions.
 - File:** fkprlr (Customer Project Reference File)
 - Field:** fkprlr_kund, fkprlr_kpro
 - Condition:** The copying functionality is only available if the user has the appropriate access rights.
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Financial and Transactional Rules

1. Data Validation on Project Creation

- Logic:** The program validates the input data when creating or updating a project to ensure all required fields are filled correctly.
- File:** fkprlr (Customer Project Reference File)
- Fields:**
 - fkprlr_kund (Customer ID)
 - fkprlr_kpro (Project ID)
- Condition:** Validation checks are performed before any database updates are made.

2. Handling Expired Projects

- Logic:** The program can filter out expired projects based on the expiration date.
 - File:** fkpspf (Customer Project File)
 - Condition:** Projects with an expiration date that has passed are excluded from the display if the corresponding filter is active.
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Special Conditions (Program-Specific)

1. Data Sanitization for Newlook Compatibility (FL100R)

- Logic:** The program sanitizes customer names to remove characters that may cause issues with the Newlook interface.
- File:** fkpspf (Customer Project File)
- Field:** b1navn (Customer Name)
- Condition:** This sanitization is performed during the subfile population process.

2. Subfile Refresh Logic (FL100R)

- Logic:** The program refreshes the subfile display based on user actions, ensuring that the latest data is shown.
 - File:** fkpspf (Customer Project File)
 - Fields:** Various fields related to customer projects.
 - Condition:** The refresh occurs when the user navigates or performs a search.
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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 (Check Special Prices and Discounts)

- Trigger:** Called during program initialization to check user permissions.
- Logic:** Determines if the user can access special pricing features.
- Impact:** This call affects the visibility of certain options in the user interface.

2. RK500R (Customer Query)

- Trigger:** Called when the user interacts with customer fields.
- Logic:** Retrieves customer details based on the provided customer ID.
- Impact:** Ensures that the correct customer information is displayed and validated.

3. FL400R (Delete Customer Project)

- Trigger:** Invoked when a user confirms deletion of a project.
- Logic:** Handles the logic for deleting a customer project and its related data.
- Impact:** Represents a critical step in managing customer projects, ensuring data integrity.

This documentation provides a comprehensive overview of the business logic encapsulated in the FL100R program, detailing how customer projects are managed, filtered, and displayed within the system.