

# FL100R.MBR

**Path:** NXCLOUD/rpgsrc/FL100R.MBR **Generated:** 2026-01-08 15:43:00 **Processing Time:** 13622ms

## Business Logic for Kundeprojekt Maintenance

This document outlines the business rules that govern the maintenance of customer projects within the ASOFAK ERP system, based on an analysis of the RPG program FL100R. The primary focus is on the logic surrounding the handling of customer project records, including display, filtering, and maintenance operations.

The core logic for managing customer projects is contained within the subfile subroutine in FL100R. This subroutine processes records from various files related to customer projects and handles user interactions through function keys.

## Order Status and Header Rules

Kundeprojekt: fkpspf, fkprlr, fkprlu, fkprl1, fkprl2, fkprl3, fkprl5, fkprl6

### 1. Display Subfile Records

- Logic:** The program reads records from the subfile and displays them based on user input and filtering criteria.
- File:** fkpspf (Customer Project File)
- Field:** Various fields including flsfir, flskun, flskpr, flstek
- Condition:** The subfile is populated based on the current filtering and positioning criteria set by the user.

### 2. Filter Out Expired Projects

- Logic:** Only projects that are not expired are displayed unless the user specifies to show all.
- File:** fkpspf (Customer Project File)
- Field:** fltdat
- Condition:** The project will not be shown if fltdat is less than the current date when the filter for expired projects is active.

## Configuration and Authorization Rules

### 1. User Permissions for Special Prices

- Logic:** The program checks if the user has permissions to view or maintain special prices and discount matrices.
- Files:**
  - fkpspf (Customer Project File)
  - rkunl1 (Customer Lookup File)
- Fields:**
  - fkprlr\_kund (Customer ID from Customer Project)
  - rkunl1\_kund (Customer ID from Customer Lookup)
- Condition:** The program calls an external program CO402R to determine if the user has access to special pricing features.

### 2. Customer Validation on New Entry

- Logic:** When creating or modifying a customer project, the program validates the customer ID against the customer lookup file.
  - File:** rkunl1 (Customer Lookup File)
  - Field:** rkunl1\_kund
  - Condition:** The program checks if the customer exists; if not, it triggers an error.
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## Financial and Transactional Rules

### 1. Update Customer Project Records

- Logic:** The program updates the customer project records based on user input and actions taken in the subfile.
- File:** fkprlr (Customer Project Record)
- Fields:**
  - fkprlr\_kund (Customer ID)
  - fkprlr\_kpro (Project ID)
- Condition:** The record is updated when the user selects to modify a project from the subfile.

### 2. Delete Customer Project

- Logic:** The program allows for the deletion of a customer project and its associated records.
  - File:** fkprlr (Customer Project Record)
  - Condition:** The deletion process is initiated through a confirmation window, and the project is removed from the database.
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## Special Conditions (Program-Specific)

### 1. Handling of Special Characters in Names (FL100R)

- Logic:** The program cleans up special characters from customer names to ensure compatibility with the GUI.
- File:** fkpspf (Customer Project File)
- Field:** b1navn (Customer Name)
- Condition:** The program runs a subroutine newlo\_vask to replace unwanted characters.

### 2. Positioning Logic for Customer Projects (FL100R)

- Logic:** The program positions records in the subfile based on various criteria such as customer ID, project ID, or name.
  - File:** fkprl1, fkprl2, fkprl3, fkprl5, fkprl6 (Various Customer Project Files)
  - Fields:** fkprl1\_kund, fkprl1\_kpro, etc.
  - Condition:** Positioning occurs when the user initiates a search or filter action.
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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 initialization to check user permissions for special pricing.
- Logic:** This program verifies if the user is allowed to access special pricing features.
- Impact:** If the user has access, specific flags are set to enable additional functionality.

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

- Trigger:** Called during various validation checks for customer IDs.
- Logic:** This program retrieves customer details based on the provided customer ID.
- Impact:** Ensures that only valid customers can be processed within the project maintenance.

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

- Trigger:** Called when a user confirms the deletion of a customer project.
- Logic:** This program handles the deletion process and any associated records.
- Impact:** Represents the final step in removing a customer project from the system, ensuring data integrity.

This documentation provides a detailed overview of the business logic implemented in the FL100R program, focusing on the management of customer projects within the ASOFAK ERP system.