

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 that handles customer project data, including filtering, searching, and displaying records in a subfile format. The core logic for managing customer projects is contained within the subfile subroutine in FL100R. The program processes records related to customer projects, allowing for creation, modification, and deletion of project entries.

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 various criteria such as customer number, project number, and seller information.
- **File:** fkpspf (Customer project file)
- **Field:** flskun, flkpro, flselg
- **Condition:** The process will not select a record if the project date is less than the current date and the filter for expired projects is active.

2. Subfile Display Control

- **Logic:** Controls the display of records in the subfile based on user actions and input.
- **File:** b1sfl (Subfile for customer projects)
- **Field:** Various fields related to customer projects
- **Condition:** The subfile will be refreshed and displayed based on user input, such as pressing function keys for filtering or searching.

Configuration and Authorization Rules

1. User Access Control

- **Logic:** Determines if the user has access to view or modify special pricing and discount matrices.
- **Files:**
 - fkprlu (Customer project update file)
 - fkprl1 (Customer project positioning file)
- **Fields:**
 - fkprlu_kund (Customer number)
 - fkprlu_kpro (Project number)
- **Condition:** Access is granted if the configuration for special pricing is enabled.

2. Project Number Validation

- **Logic:** Validates the external project number against existing records.
- **File:** fkprl6 (External project file)
- **Field:** fkprl6_epro (External project number)

- **Condition:** The process will not allow the creation of a project with a duplicate external number.

Financial and Transactional Rules

1. Project Creation and Update

- **Logic:** Handles the creation and updating of customer projects, ensuring that all required fields are filled.

- **File:** fkprlr (Customer project register)

- **Fields:**

- fkprlr_kund (Customer number)

- fkprlr_kpro (Project number)

- **Condition:** A project cannot be created or updated if the customer number is zero or if required fields are blank.

2. Project Deletion

- **Logic:** Manages the deletion of customer projects, ensuring that all relationships are handled correctly.

- **File:** fkprlr (Customer project register)

- **Condition:** The deletion process will invoke a separate program to handle related records.

Special Conditions (Program-Specific)

1. Data Cleaning (FL100R)

- **Logic:** Cleans up project names to remove invalid characters that may cause issues in the display.

- **File:** b1sfl (Subfile for customer projects)

- **Field:** b1navn (Project name)

- **Condition:** This cleaning process is executed every time a project name is processed.

2. Special Pricing and Discount Matrix Handling (FL100R)

- **Logic:** Checks if the user has access to special pricing and discount matrices and adjusts the display accordingly.

- **File:** fkprlu (Customer project update file)

- **Fields:** co402_verdi1, co402_verdi2 (Configuration values)

- **Condition:** The program checks the configuration settings upon initialization to determine access.

Subprogram Calls Affecting Logic

Beyond direct file checks, several external subprograms are called that play a significant role in the workflow.

1. CO402R (Configuration Check)

- **Trigger:** Called during program initialization to check user access to special pricing.

- **Logic:** Validates if special pricing features should be enabled based on user settings.

- **Impact:** This call determines whether the user can access additional pricing functionalities.

2. FL400R (Project Deletion)

- **Trigger:** Invoked when a project is marked for deletion.

- Logic:** Handles the deletion of customer projects and any associated records.
- Impact:** Ensures that all related data is cleaned up and prevents orphan records.

3. RK500R (Customer Validation)

- Trigger:** Called during various input validations for customer numbers.
- Logic:** Validates customer data against the customer master file.
- Impact:** Ensures that only valid customer records are processed, preventing errors in project management.

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