

FL500R.MBR

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Business Logic for FL500R

This document outlines the business rules that govern customer project inquiry processing, based on an analysis of the RPG program `FL500R`. The primary focus is on the conditions that will **block** an order or inquiry from being processed.

The core logic for customer project inquiry is contained within the `crt_subfile` subroutine in `FL500R`. An inquiry must pass all the following checks to be processed.

Order Status and Header Rules

1. **Firm Validation**

* **Logic:** The inquiry will only process records where the firm code matches the input parameter `p_firm`.

* **File:** `fkpspf` (Customer Project File)

* **Field:** `flfirm`

* **Condition:** The process will not select a record if `flfirm` is not equal to `p_firm`. This ensures that only records for the specified firm are included.

2. **Customer Validation**

* **Logic:** The inquiry will only process records where the customer code matches the input parameter `p_kund`.

* **File:** `fkpspf` (Customer Project File)

* **Field:** `flkund`

* **Condition:** The process will not select a record if `p_kund` is not `0` and `p_kund` is not equal to `flkund`. This ensures inquiries are limited to the specified customer.

3. **Customer Project Validation**

* **Logic:** The inquiry will only process records where the customer project code matches the input parameter `p_kpro`.

* **File:** `fkpspf` (Customer Project File)

* **Field:** `flskpr`

* **Condition:** The process will not select a record if `p_kpro` is not `0` and `p_kpro` is not equal to `flskpr`. This ensures inquiries are limited to the specified customer project.

Configuration and Authorization Rules

4. **Subfile Positioning**

* **Logic:** The subfile positioning logic ensures that the inquiry starts at the correct record based on the input parameters.

* **File:** `fkprll` (Customer Project Positioning File)

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* **Field:** `fkprll_kund`, `fkprll_kpro`
* **Condition:** The process will position the subfile using
`fkprll_kund` and `fkprll_kpro` only if `p_kund` or `p_kpro` is
provided.
## Financial and Transactional Rules
5. **SQL Cursor Validation**
* **Logic:** The inquiry uses an SQL cursor to fetch records based on
search criteria. Only records matching the firm and search text are
fetched.
* **File:** `fkpspf` (Customer Project File)
* **Field:** `flstek`
* **Condition:** The process will not fetch records if `flstek` does not
match the search text (`w_stel`, `w_ste2`, etc.). This ensures that only
relevant records are included in the inquiry.
## Special Conditions (Program-Specific)
6. **Newlook Data Cleaning**
* **Logic:** The inquiry cleans up data to remove problematic characters
(`.` and `:`) that could cause issues with the Newlook GUI.
* **File:** N/A (Data cleaning occurs on subfile fields)
* **Field:** `blnavn`
* **Condition:** The process will replace problematic characters in
`blnavn` using the `newlo_vask` subroutine. This ensures compatibility
with the Newlook interface.
## Subprogram Calls Affecting Logic
Beyond direct file checks, several external subprograms are called that
play a significant role in the workflow.
1. **`AS700R` (Search Text Parsing)**
* **Trigger:** Called during the `s0k` subroutine when search text
(`b2stek`) is provided.
* **Logic:** Parses the search text into multiple components (`w_stel`,
`w_ste2`, etc.) for more granular filtering.
* **Impact:** Ensures that inquiries can filter records based on complex
search criteria.
2. **`newlo_vask` (Newlook Data Cleaning)**
* **Trigger:** Called during subfile creation (`crt_subfile`) to clean
up data fields.
* **Logic:** Removes problematic characters (`.` and `:`) from the
`blnavn` field.
* **Impact:** Prevents errors when displaying data in the Newlook GUI.
## Summary
The program `FL500R` implements strict validation and filtering rules to
ensure that customer project inquiries are processed accurately and
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securely. Blocking conditions primarily focus on matching firm, customer, and project codes, as well as ensuring compatibility with the Newlook GUI. External subprograms like `AS700R` and `newlo_vask` enhance the functionality by enabling complex search filtering and data cleaning.