

# FL500R.MBR

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# Business Logic for FL500R

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

The core logic for customer project query handling is contained within the `crt\_subfile` subroutine in `FL500R`. A query must pass all the following checks to be processed and displayed in the subfile.

## ## Order Status and Header Rules

- \*\*Firm Validation\*\***
  - \*\*Logic:\*\*** The query will only process records that match the firm (`flfirm`) provided in the input parameter (`p\_firm`).
  - \*\*File:\*\*** `FKPSPF` (Customer Project Master File)
  - \*\*Field:\*\*** `flfirm`
  - \*\*Condition:\*\*** The process will not include records where `flfirm` is not equal to `w\_firm`. This ensures that only records for the specified firm are included.
- \*\*Customer Validation\*\***
  - \*\*Logic:\*\*** The query will only process records for the specified customer (`flkund`) if a customer parameter (`p\_kund`) is provided.
  - \*\*File:\*\*** `FKPSPF` (Customer Project Master File)
  - \*\*Field:\*\*** `flkund`
  - \*\*Condition:\*\*** The process will skip records where `p\_kund` is not `0` and does not match `flkund`. This ensures that the query is restricted to the specified customer.
- \*\*Customer Project Validation\*\***
  - \*\*Logic:\*\*** The query will only process records for the specified customer project (`flkpro`) if a project parameter (`p\_kpro`) is provided.
  - \*\*File:\*\*** `FKPSPF` (Customer Project Master File)
  - \*\*Field:\*\*** `flkpro`
  - \*\*Condition:\*\*** The process will skip records where `p\_kpro` is not `0` and does not match `flkpro`. This ensures that the query is restricted to the specified customer project.
- \*\*Name Validation\*\***
  - \*\*Logic:\*\*** The query will only process records for the specified name (`flnavn`) if a name parameter (`p\_navn`) is provided.
  - \*\*File:\*\*** `FKPSPF` (Customer Project Master File)
  - \*\*Field:\*\*** `flnavn`
  - \*\*Condition:\*\*** The process will skip records where `p\_navn` is not `BLANK` and does not match `flnavn`. This ensures that the query is restricted to the specified name.

## ## Configuration and Authorization Rules

- \*\*SQL Cursor Initialization\*\***
  - \*\*Logic:\*\*** The SQL cursor for fetching records is initialized with filters based on the firm (`flfirm`) and search text (`flstek`).
  - \*\*File:\*\*** `FKPSPF` (Customer Project Master File)
  - \*\*Field:\*\*** `flfirm`, `flstek`
  - \*\*Condition:\*\*** The SQL cursor will only fetch records where `flfirm` matches `w\_firm` and

`flstek` matches the search text (`w\_stel`). This ensures that only relevant records are retrieved.

#### 6. \*\*Record Existence Check\*\*

\* \*\*Logic:\*\* Records must exist in the `FKPRLR` file for the customer (`flkund`) and project (`flkpro`) combination.

\* \*\*File:\*\* `FKPRLR` (Customer Project Details File)

\* \*\*Field:\*\* `flkund`, `flkpro`

\* \*\*Condition:\*\* The process will skip records where a matching key is not found in `FKPRLR`. This ensures that only valid customer-project combinations are processed.

### ## Financial and Transactional Rules

#### 7. \*\*Date Validation\*\*

\* \*\*Logic:\*\* The query will only process records where the transaction date (`fltdat`) is valid.

\* \*\*File:\*\* `FKPSPF` (Customer Project Master File)

\* \*\*Field:\*\* `fltdat`

\* \*\*Condition:\*\* The process will skip records where `fltdat` is equal to `\*LOVAL`. This ensures that only records with valid dates are included.

### ## Special Conditions (Program-Specific)

#### 8. \*\*Newlook Compatibility\*\*

\* \*\*Logic:\*\* The program removes certain characters (e.g., `.` and `:`) from the end of the name field (`blnavn`) to ensure compatibility with the Newlook GUI.

\* \*\*File:\*\* `B1SFL` (Subfile for Display)

\* \*\*Field:\*\* `blnavn`

\* \*\*Condition:\*\* The subroutine `newlo\_vask` is executed to clean up the `blnavn` field before it is written to the subfile.

### ## 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 a search text (`b2stek`) is provided.

\* \*\*Logic:\*\* Parses the search text into multiple components (`w\_stel`, `w\_ste2`, `w\_ste3`, `w\_ste4`, `w\_ste5`) for more granular filtering.

\* \*\*Impact:\*\* Ensures that the query can handle complex search criteria.

#### 2. \*\*`clr\_subfile` (Subfile Clearing)\*\*

\* \*\*Trigger:\*\* Called before populating the subfile in various subroutines.

\* \*\*Logic:\*\* Clears the subfile by setting indicators and resetting counters.

\* \*\*Impact:\*\* Prepares the subfile for new data, ensuring no residual data is displayed.

#### 3. \*\*`crt\_subfile` (Subfile Creation)\*\*

\* \*\*Trigger:\*\* Called during the initialization and query processing phases.

\* \*\*Logic:\*\* Populates the subfile with records that pass all validation checks.

\* \*\*Impact:\*\* Displays the filtered and validated records to the user.

#### 4. \*\*`newlo\_vask` (Newlook Data Cleaning)\*\*

\* \*\*Trigger:\*\* Called during the subfile creation process to clean up the name field (`blnavn`).

\* \*\*Logic:\*\* Removes problematic characters from the `blnavn` field.

\* \*\*Impact:\*\* Ensures that the data is compatible with the Newlook GUI, preventing display errors.