

# FL500R.MBR

Type: Single File Analysis Path: NXCLOUD/rpgsrc/FL500R.MBR Generated: 2026-01-29 12:15:41  
Processing Time: 19086ms

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# Business Logic for FL500R
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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

1. **\*\*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.
  2. **\*\*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.
  3. **\*\*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.
  4. **\*\*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
5. **\*\*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

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`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_stel2`, `w_stel3`,
`w_stel4`, `w_stel5`) 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.

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