

# FO410R.MBR

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## # Business Logic for FO410R

This document outlines the business rules that govern the deletion of orders, based on an analysis of the RPG program `FO410R`. The primary focus is on the conditions that will **block** an order from being deleted.

The core logic for deleting orders is contained within the `FO410R` program. An order must pass all the following checks to be processed for deletion.

## ## Order Status and Header Rules

### 1. \*\*Order Header Existence\*\*

\* **Logic:** The program checks if the order header exists in the `FOHELU` file before proceeding with deletion.

\* **File:** `FOHELU` (Order Header Register)

\* **Field:** `FOHELU\_NUMM`, `FOHELU\_SUFF`

\* **Condition:** The process will not delete an order if `FOHELU` does not exist for the specified `FOHELU\_NUMM` and `FOHELU\_SUFF`. This ensures the order header is valid and accessible.

## ## Configuration and Authorization Rules

### 2. \*\*Order Type Validation\*\*

\* **Logic:** The program verifies the `P\_TYPE` parameter to ensure it is not `\*BLANK` before updating the `FDELLU` file.

\* **File:** `FDELLU` (Order Deleted Register)

\* **Field:** `FYTYPE`

\* **Condition:** The program will not update the deleted order register if `P\_TYPE` is `\*BLANK`. This ensures the deletion process is properly categorized.

### 3. \*\*Company Number Validation\*\*

\* **Logic:** The program ensures the company number (`P\_FIRM`) is correctly assigned to all keys used in file operations.

\* **File:** Multiple files (e.g., `FOHELU`, `FODTLU`, `FOTXLU`)

\* **Field:** `W\_FIRM`

\* **Condition:** The process will not proceed if the company number is invalid or missing. This ensures operations are scoped to the correct company.

## ## Financial and Transactional Rules

### 4. \*\*Memo Balance Update\*\*

\* **Logic:** The program calculates and updates the memo balance (`W\_SALD`) and memo balance adjustment (`W\_SAL2`) in the customer

register.

\* \*\*File:\*\* `FA922R` (Memo Balance Update Program)

\* \*\*Field:\*\* `FOTOTR`, `FOTOTS`, `FOBRRA`

\* \*\*Condition:\*\* The process will not complete if the memo balance update fails. This ensures financial records are consistent.

#### 5. \*\*General Discounts Control\*\*

\* \*\*Logic:\*\* The program verifies the general discount limit before proceeding with deletion.

\* \*\*File:\*\* `FOHELU` (Order Header Register)

\* \*\*Field:\*\* `FOBRRA`

\* \*\*Condition:\*\* The process will not proceed if the discount exceeds the allowable limit. This prevents unauthorized financial adjustments.

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

#### 6. \*\*Shadow Table Deletion\*\*

\* \*\*Logic:\*\* The program deletes entries from the shadow table (`FODMIU`) if the order line exists.

\* \*\*File:\*\* `FODMIU` (Order Line Shadow Table)

\* \*\*Field:\*\* `FODMIU\_NUMM`, `FODMIU\_SUFF`, `FODMIU\_LINE`

\* \*\*Condition:\*\* The process will not delete shadow table entries if the corresponding order line does not exist. This ensures data integrity.

#### 7. \*\*Santander Payment Deletion\*\*

\* \*\*Logic:\*\* The program deletes records related to Santander payments if they exist.

\* \*\*File:\*\* `RKSJLU` (Santander Payment Status Register)

\* \*\*Field:\*\* `RKSJLU\_JNUM`, `RKSJLU\_JSUF`

\* \*\*Condition:\*\* The process will not delete Santander payment records if they are not found. This ensures proper handling of payment-related data.

#### 8. \*\*NOBB Freight Deletion\*\*

\* \*\*Logic:\*\* The program deletes records related to NOBB freight if they exist.

\* \*\*File:\*\* `FOH2LU` (Order Header Side Table)

\* \*\*Field:\*\* `FOHELU\_NUMM`, `FOHELU\_SUFF`

\* \*\*Condition:\*\* The process will not delete NOBB freight records if they are not found. This ensures freight-related data is handled correctly.

#### 9. \*\*Deposit Information Deletion\*\*

\* \*\*Logic:\*\* The program deletes deposit information if it exists in the `SDEPLU` file.

\* \*\*File:\*\* `SDEPLU` (Deposit Register)

\* \*\*Field:\*\* `SDEPLU\_NUMM`, `SDEPLU\_KUND`, `SDEPLU\_TELL`

\* \*\*Condition:\*\* The process will not delete deposit information if the

corresponding record is not found. This ensures deposit-related data is preserved.

#### 10. \*\*Transport Logging Deletion\*\*

\* \*\*Logic:\*\* The program deletes transport logging information if it exists.

\* \*\*File:\*\* `FTRPI2` (Transport Logging Register)

\* \*\*Field:\*\* `FTRPI2\_RNUM`, `FTRPI2\_RSUF`

\* \*\*Condition:\*\* The process will not delete transport logging information if the corresponding record is not found. This ensures transport-related data is handled correctly.

#### ## Subprogram Calls Affecting Logic

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

##### 1. \*\*`FS711R` (Order Line Deletion Logging)\*\*

\* \*\*Trigger:\*\* Called during the deletion of order lines.

\* \*\*Logic:\*\* Logs the deletion of order lines for traceability.

\* \*\*Impact:\*\* Ensures all deleted order lines are logged for auditing purposes.

##### 2. \*\*`VL001R` (Warehouse Update)\*\*

\* \*\*Trigger:\*\* Called when inventory updates are required during order deletion.

\* \*\*Logic:\*\* Updates warehouse inventory based on deleted order lines.

\* \*\*Impact:\*\* Ensures inventory levels are adjusted correctly.

##### 3. \*\*`FA922R` (Memo Balance Update)\*\*

\* \*\*Trigger:\*\* Called to update memo balances after order deletion.

\* \*\*Logic:\*\* Adjusts customer memo balances based on deleted order totals.

\* \*\*Impact:\*\* Ensures financial records are consistent after deletion.

##### 4. \*\*`VA750R` (Processing Code Validation)\*\*

\* \*\*Trigger:\*\* Called during inventory update validation.

\* \*\*Logic:\*\* Validates processing codes and determines whether inventory updates should occur.

\* \*\*Impact:\*\* Prevents unnecessary inventory updates for certain processing codes.