

# CO402R.MBR

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# Business Logic for CO402R

This document outlines the business rules that govern the customization activation process, based on an analysis of the RPG program `CO402R`. The primary focus is on the conditions that will **block** an order from being processed for customization activation.

The core logic for determining customization activation is contained within the `CO402R` subroutine in `CO402R`. An order must pass all the following checks to be processed.

## Order Status and Header Rules

1. **Filgruppe Validation**

\* **Logic:** The program checks if the provided `Filgruppe` (file group) exists in the `SKTIST` file for the given `Firma`, `Lager`, and `Nokkel`. If no matching record is found, the process moves to the next validation step.

\* **File:** `SKTIST` (Customization Activation Table)

\* **Field:** `Filgruppe`

\* **Condition:** The process will not activate customization if `Filgruppe` does not match any record in `SKTIST` where `Firma`, `Lager`, and `Nokkel` also match the input parameters.

2. **Chain Validation**

\* **Logic:** If no record is found for the initial `Filgruppe`, the program attempts to retrieve a chain group (`w\_chain`) using the `GETCHAIN` subprogram. It then validates the chain group against the `SKTIST` file.

\* **File:** `SKTIST` (Customization Activation Table)

\* **Field:** `Filgruppe`

\* **Condition:** The process will not activate customization if the chain group (`w\_chain`) does not match any record in `SKTIST` where `Firma`, `Lager`, and `Nokkel` also match the input parameters.

3. **Blank Filgruppe Validation**

\* **Logic:** If no record is found for either the initial `Filgruppe` or the chain group, the program attempts to validate against a blank `Filgruppe`.

\* **File:** `SKTIST` (Customization Activation Table)

\* **Field:** `Filgruppe`

\* **Condition:** The process will not activate customization if a blank `Filgruppe` does not match any record in `SKTIST` where `Firma`, `Lager`, and `Nokkel` also match the input parameters.

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## Configuration and Authorization Rules
4. **SQL Error Handling**
* **Logic:** The program checks the `SQLCOD` value after each SQL query to determine if a record was successfully retrieved. If `SQLCOD` equals `100`, indicating "no data found," the process moves to the next validation step.
* **File:** `SKTIST` (Customization Activation Table)
* **Field:** `SQLCOD`
* **Condition:** The process will not activate customization if `SQLCOD` equals `100` for all validation steps.
## Financial and Transactional Rules
None identified in this program.
## Special Conditions (Program-Specific)
5. **Default Values for Missing Records**
* **Logic:** If no matching record is found in any validation step, the program sets the output fields `p_verdi1` and `p_verdi2` to default values (`'0'` and `*BLANK`, respectively).
* **File:** None (Default values are hardcoded)
* **Field:** `p_verdi1`, `p_verdi2`
* **Condition:** The process will not activate customization if no matching record is found, and the output fields are set to default values.
## Subprogram Calls Affecting Logic
Beyond direct file checks, the program calls an external subprogram that plays a significant role in the workflow.
1. **`GETCHAIN` (Retrieve Chain Group)**
* **Trigger:** Called when no record is found for the initial `Filgruppe` validation (`SQLCOD = 100`).
* **Logic:** Retrieves a chain group (`w_chain`) based on the input `Filgruppe`. This chain group is then used in subsequent validation against the `SKTIST` file.
* **Impact:** If a valid chain group is retrieved, the process may proceed to activate customization based on the chain group. If no valid chain group is retrieved, the process moves to the next validation step.
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