CO402R.MBR

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Business Logic for CO402R

This document outlines the business rules that govern the processing of configurations based on specific parameters, derived from analyzing the RPG program(s) `CO402R`. The primary focus is on the conditions that will **block** an order from being configured.

The core logic for configuring values 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. **Configuration Based on File Group**
* **Logic:** The system retrieves `Verdi1` and `Verdi2` values based on the provided `filgruppe`, `firma`, `lager`, and `nokkel`. If no records are found, further checks are required.
* **File:** `SKTIST` (Configuration values retrieval)
* **Field:** `Filgruppe`, `Firma`, `Lager`, `Nokkel`
* **Condition:** The process will not proceed if there is no corresponding entry in `SKTIST` for the combination of `Filgruppe = :p_filgrp`, `Firma = :p_firm`, `Lager = :p_lager`, and `Nokkel = :p_nokkel`, which returns `sqlcod` = 100. ## Configuration and Authorization Rules

2. **Fallback to Chain Processing**
* **Logic:** If no records are found for the initial check (`sqlcod` = 100), the program attempts to find a valid chain group.
* **File:** Not directly specified (uses external call to `GETCHAIN`)
* **Field:** `filgrp`
* **Condition:** If the search on `SKTIST` fails with `sqlcod` = 100, the program calls `p_GETCHAIN` to fetch a valid chain group based on `filgruppe`.

3. **Secondary Configuration Check Using Chain Value**
* **Logic:** When a chain group is determined, the program rechecks `SKTIST` for values using the chain group.
* **File:** `SKTIST` (Configuration values retrieval)
* **Field:** `Filgruppe`, `Firma`, `Lager`, `Nokkel`
* **Condition:** The process will not proceed if no record is found for the `Filgruppe` that matches the chain group returned by `p_GETCHAIN`.

Financial and Transactional Rules

4. **Blank File Group Fallback**
* **Logic:** If no records are found for both the primary and secondary

file group checks, the program attempts to retrieve data using a blank `filgruppe`.

* **File:** `SKTIST` (Configuration values retrieval)
* **Field:** `Filgruppe`, `Firma`, `Lager`, `Nokkel`
* **Condition:** The process does not select an order if no records are matched after checking with `Filgruppe = ''`, meaning a valid configuration could not be determined.

Special Conditions (Program-Specific)

5. **Default Initialization of Values**
* **Logic:** The program initializes `w_verdi1` to '0' and `w_verdi2` to a blank state before any database operations, ensuring variables start with no unintended values.
* **File:** Not applicable
* **Field:** `w_verdi1`, `w_verdi2`
* **Condition:** This initialization is critical for the subsequent conditions and logic handling throughout the `CO402R` execution.

Subprogram Calls Affecting Logic

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

1. **`GETCHAIN` (Fetches chain group)**
* **Trigger:** Called when the primary check on `SKTIST` yields `sqlcod` = 100, indicating no records were found for the given parameters.
* **Logic:** Retrieves a valid chain group based on the primary `filgruppe` which is then utilized in a secondary check against `SKTIST`.
* **Impact:** The outcome of this subprogram directly influences whether the subsequent data retrieval from `SKTIST` will succeed or fail.