

VG100R.MBR

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Business Logic for Overgruppe Maintenance

This document outlines the business rules that govern the Overgruppe maintenance process, based on an analysis of the RPG program VG100R. The primary focus is on the logic that handles the creation, modification, and deletion of overgroup records within the system.

The core logic for Overgruppe maintenance is contained within the various subroutines defined in VG100R. The program primarily interacts with multiple files to manage overgroup data and utilizes subfiles for user interaction.

Order Status and Header Rules

Overgruppe Maintenance: vogrl1, vogrl2, vogrlr, vogrlu, vkhvl1, vhgrl1, vugrl1

1. Record Selection

- **Logic:** The program checks for existing records in the vogrl1 and vogrl2 files based on user input and initializes the subfile accordingly.
- **File:** vogrl1 (Overgruppe main records)
- **Field:** vogrl1_oogr
- **Condition:** The process will not select a record if the b2oogr field is not equal to 0 or if b2otxt is not blank.

2. Subfile Initialization

- **Logic:** The subfile is cleared and filled based on the current positioning of overgroup records.
- **File:** b1sfl (Subfile for displaying overgroup records)
- **Field:** b1oogr
- **Condition:** The subfile will be populated if w_fcrn is not equal to 0.

Configuration and Authorization Rules

1. User Authorization Check

- **Logic:** The program checks if the user has the necessary permissions to modify or delete records.
- **Files:**
 - vogrlr (Overgruppe reference records)
 - vogrlu (Overgruppe update records)
- **Fields:**
 - vogrlr_oogr (from vogrlr)
 - vogrlu_oogr (from vogrlu)
- **Condition:** The user must have valid access rights to perform updates or deletions.

2. Record Locking

- **Logic:** The program locks records for editing to prevent concurrent modifications.
- **File:** vogrlr (Overgruppe reference records)
- **Field:** vogrlr_oogr

- **Condition:** A record is locked if it is being edited by another user.

Financial and Transactional Rules

1. Record Update Logic

- **Logic:** When an overgroup record is updated, the program captures the current user and timestamp for auditing purposes.

- **File:** vogrlu (Overgruppe update records)

• **Fields:**

- vogrlu_oogr (Overgruppe ID)

- vgokhv (Product responsible)

- **Condition:** The record is updated only if it exists and is not locked.

2. Record Deletion Logic

- **Logic:** The program deletes an overgroup record and all associated main and subgroups.

- **File:** vogrlu (Overgruppe update records)

- **Condition:** The record can be deleted if it is not referenced by other records.

Special Conditions (Program-Specific)

1. Subfile Refresh Logic (VG100R)

- **Logic:** The subfile is refreshed to reflect the latest changes after any insert, update, or delete operation.

- **File:** b1sfl (Subfile for displaying overgroup records)

- **Field:** b1oogr

- **Condition:** The subfile is refreshed if b_forn is set to *on*.

2. Duplicate Record Check (VG100R)

- **Logic:** Before creating a new overgroup record, the program checks for existing records to prevent duplicates.

- **File:** vogrlr (Overgruppe reference records)

- **Fields:** vogrlr_oogr (Overgruppe ID), vogrlr_key (Key for lookup)

- **Condition:** The check is performed when the user attempts to create a new record.

Subprogram Calls Affecting Logic

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

1. VG101R (Overgruppe Maintenance Program)

- **Trigger:** Called when the user opts to maintain an existing overgroup.

- **Logic:** This program handles the detailed maintenance of overgroup records.

- **Impact:** This call acts as a **major logical gateway** for overgroup management.

2. VA520R (Validation Program)

- **Trigger:** Called during input validation for specific fields.

- **Logic:** This program validates the input for product responsible fields.

- **Impact:** Ensures data integrity before proceeding with updates.

3. RA526R (Reference Program)

•Trigger: Called to validate references for specific fields.

•Logic: This program checks the validity of references for the operation being performed.

•Impact: Represents the handoff to the next major business function, ensuring that all references are valid before proceeding.

This documentation serves as a comprehensive overview of the business logic implemented in the VG100R program, focusing on the maintenance of overgroup records within the system.