

# VG100R.MBR

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## Business Logic for VG100R

This document outlines the business rules that govern the maintenance of overgroups in the ASOFAK system, based on an analysis of the RPG program VG100R. The primary focus is on the handling of subfiles and user interactions within the program.

The core logic for maintaining overgroups is contained within the subfile subroutine in VG100R. The program processes user inputs to display, create, update, and delete overgroup records, leveraging subfiles for efficient data management.

### Order Status and Header Rules

VG100R: vogrl1, vogrl2, vogrlr, vogrlu, vkhvl1, vhgrl1, vhgrlu, vugrl1, vugrlu, ra26l1

#### 1. Display Subfile

- **Logic:** The program displays a subfile that lists overgroup records, allowing users to navigate through them.
- **File:** vogrl1 (Overgroup records)
- **Field:** vogrl1\_oogr
- **Condition:** The subfile is populated only if there are records available in the database.

#### 2. Positioning Records

- **Logic:** The program positions the cursor based on user input for overgroup or description.
- **File:** vogrl1 (Overgroup records)
- **Field:** b2oogr, b2otxt
- **Condition:** If b2oogr is not zero or b2otxt is not blank, the program will position to the corresponding record.

### Configuration and Authorization Rules

#### 1. Subfile Refresh

- **Logic:** The subfile is refreshed when the user requests it, ensuring the displayed data is current.
- **Files:**
  - b1sfl (Subfile for overgroup records)
  - vogrl1 (Overgroup records)
- **Fields:**
  - b1oogr (Overgroup ID from subfile)
  - vogrl1\_oogr (Overgroup ID from records)
- **Condition:** The refresh occurs when the user interacts with the subfile.

#### 2. Error Handling

- **Logic:** The program handles errors by displaying appropriate messages when invalid operations are attempted.
- **File:** vogrlr (Overgroup reference)
- **Field:** vogrlr\_oogr

- **Condition:** If a duplicate overgroup is detected, an error message is displayed.

## Financial and Transactional Rules

### 1. Update Overgroup

- **Logic:** The program updates the overgroup record with new information provided by the user.

- **File:** vogrlu (Overgroup update)

- **Fields:**

- vogrlu\_oogr (Overgroup ID)

- vgotxt (Description)

- **Condition:** The update is performed only if the user has provided valid input and the record exists.

### 2. Delete Overgroup

- **Logic:** The program allows users to delete an overgroup and its associated records.

- **File:** vogrlu (Overgroup update)

- **Condition:** The deletion occurs if the user confirms the action through the interface.

## Special Conditions (Program-Specific)

### 1. Create Overgroup (VG101R)

- **Logic:** The program calls VG101R to create a new overgroup based on user input.

- **File:** vogrlu (Overgroup update)

- **Field:** b1oogr

- **Condition:** This action is triggered when the user selects the option to create a new overgroup.

### 2. Copy Overgroup

- **Logic:** The program allows users to copy an existing overgroup to create a new one.

- **File:** vogrlu (Overgroup update)

- **Fields:** k1oogr (Source Overgroup ID), s\_oogr (New Overgroup ID)

- **Condition:** The copy operation is executed if the user specifies a valid source overgroup.

## Subprogram Calls Affecting Logic

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

### 1. VG101R (Overgroup Creation Program)

- **Trigger:** Called when the user opts to create a new overgroup.

- **Logic:** This program handles the creation logic and validation for new overgroup entries.

- **Impact:** This call acts as a **major logical gateway** for adding new records to the system.

### 2. VA520R (Validation Program)

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

- **Logic:** This program checks the validity of the input data against existing records.

- **Impact:** Ensures data integrity and prevents duplicate entries.

### 3. RA526R (Reference Program)

- **Trigger:** Called when the user interacts with the operational field.

- **Logic:** This program retrieves relevant data based on the operational input from the user.

- **Impact:** Represents the handoff to the next major business function, ensuring users have the necessary information.