

# VG100R.MBR

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## Business Logic for VG100R

This document outlines the business rules that govern the maintenance of overgroups within the ASOFAK ERP system, based on an analysis of the RPG program VG100R. The primary focus is on the handling of subfiles and the associated data operations related to overgroup management. The core logic for maintaining overgroups is contained within the subfile subroutine in VG100R. The program processes user inputs, manages subfile records, and performs various operations such as creating, updating, and deleting overgroups and their associated records.

## Order Status and Header Rules

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

### 1. Record Creation

- Logic:** The program allows the creation of new overgroup records based on user input.
- File:** vogrl1 (Overgroup Master File)
- Field:** vogrl1\_oogr
- Condition:** A new record is created if the user inputs a valid overgroup identifier that does not already exist in the database.

### 2. Record Update

- Logic:** Existing overgroup records can be updated with new information.
- File:** vogrlu (Overgroup Update File)
- Field:** vogrlu\_oogr
- Condition:** The record is updated if the user selects an existing overgroup and provides new data.

## Configuration and Authorization Rules

### 1. User Authorization Check

- Logic:** The program checks if the user has the necessary permissions to perform maintenance operations.
- Files:**
  - vogrlr (Overgroup Reference File)
  - ra26l1 (Product Responsibility File)
- Fields:**
  - vogrlr\_oogr (from vogrlr)
  - ra26l1\_zsak (from ra26l1)
- Condition:** The operation is allowed only if the user is authorized based on the retrieved records from the reference files.

### 2. Input Validation

- Logic:** The program validates user inputs for creating or updating overgroups.
- File:** vogrl1 (Overgroup Master File)

- Field:** vogrl1\_oogr
  - Condition:** The process will not proceed if the input field for overgroup identifier is blank.
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## Financial and Transactional Rules

### 1. Record Deletion

- Logic:** The program allows for the deletion of overgroup records and their associated subgroups.
- File:** vogrlu (Overgroup Deletion File)
- Fields:**
  - vogrlu\_oogr (Overgroup Identifier)
  - vhgrlu\_hogr (Main Group Identifier)
- Condition:** The record is deleted if the user confirms the deletion action.

### 2. Subfile Update

- Logic:** The subfile is updated to reflect the latest changes made to overgroup records.
  - File:** b1sfl (Subfile for Overgroup)
  - Condition:** The subfile is refreshed whenever a record is added, updated, or deleted.
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## Special Conditions (Program-Specific)

### 1. Subfile Handling (VG100R)

- Logic:** The program manages the display and interaction with subfiles for overgroup maintenance.
- File:** b1sfl (Subfile for Overgroup)
- Field:** b1oogr
- Condition:** The subfile is populated based on the current state of overgroup records. Note: The subfile handling logic is crucial for user interaction.

### 2. Error Handling (VG100R)

- Logic:** The program provides feedback to the user in case of errors during operations.
  - File:** c1msg (Error Message Display)
  - Fields:** c1oogr (Overgroup Identifier), c1ktxt (Error Message Text)
  - Condition:** An error message is displayed if the user attempts to create a duplicate overgroup or if required fields are missing.
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## Subprogram Calls Affecting Logic

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

### 1. VG101R (Overgroup Maintenance Program)

- Trigger:** Called when the user selects to maintain an existing overgroup.
- Logic:** This program manages the detailed maintenance of overgroup records.
- Impact:** This call acts as a **major logical gateway** for maintaining overgroup data.

### 2. VA520R (Validation Program)

- Trigger:** Called during input validation for specific fields.
- Logic:** This program checks the validity of the input against existing records.
- Impact:** Ensures data integrity and prevents invalid entries.

### 3. RA526R (Reference Lookup Program)

- Trigger:** Called when validating product responsibility fields.
- Logic:** This program retrieves associated product information based on user input.
- Impact:** Represents the handoff to the next major business function, ensuring all necessary data is available for processing.