

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 logic related to subfile handling and user interactions within the program.

The core logic for managing overgroups is contained within the subfile subroutine in VG100R. The program processes user input to display, create, update, and delete overgroup records, ensuring that all operations are validated and that the user interface is responsive to user actions.

Order Status and Header Rules

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

1. Display Subfile

- Logic:** The program displays a subfile of overgroup records based on user input and current database state.
- File:** vogrl1 (Overgroup records)
- Field:** vogrl1_oogr
- Condition:** The subfile will be populated if the user has provided valid search criteria in b2oogr or b2otxt.

2. Positioning Logic

- Logic:** The program positions the cursor in the subfile based on user input for overgroup or description.
- File:** vogrl1 (Overgroup records)
- Field:** b2oogr, b2otxt
- Condition:** The positioning occurs if either b2oogr is not zero or b2otxt is not blank.

Configuration and Authorization Rules

1. Subfile Refresh Logic

- Logic:** The subfile is refreshed based on the current record number and user actions.
- Files:**
 - b1sfl (Subfile for display)
 - vogrl1 (Overgroup records)
- Fields:**
 - w_srrn (Relative record number in subfile)
 - w_fcrn (First record number on the page)
- Condition:** The subfile refresh occurs when the user navigates through records or performs an action that modifies the displayed data.

2. Validation of Input Fields

- Logic:** The program validates user input fields before processing updates or inserts.
- File:** vogrl1 (Overgroup records)

- Field:** c2otxt
 - Condition:** The input field c2otxt must not be blank for the update to proceed.
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Financial and Transactional Rules

1. Update Overgroup Record

- Logic:** The program updates the overgroup record with the new values provided by the user.
- File:** vogrlu (Overgroup update)
- Fields:**
 - vogrlu_oogr (Overgroup)
 - vgotxt (Description)
- Condition:** The update is executed if the record exists and the user has provided valid data.

2. Delete Overgroup Logic

- Logic:** The program deletes the specified overgroup and its associated records from the database.
 - File:** vogrlu (Overgroup records)
 - Condition:** The deletion occurs when the user confirms the action via the delete window.
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Special Conditions (Program-Specific)

1. New Record Creation (VG101R)

- Logic:** The program calls VG101R to create a new overgroup record based on user input.
- File:** vogrl1 (Overgroup records)
- Field:** c1oogr
- Condition:** This action is triggered when the user selects the option to create a new record.

2. Copy Overgroup Logic

- Logic:** The program allows the user to copy an existing overgroup, including its associated records.
 - File:** vogrl1 (Overgroup records)
 - Fields:** k1oogr (Source overgroup), s_oogr (Target overgroup)
 - Condition:** The copy operation is initiated when the user selects the copy option and provides a valid source overgroup.
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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 creating a new overgroup record.
- Logic:** This program handles the logic for inserting a new overgroup into the database.
- Impact:** This call acts as a **major logical gateway** for new record creation.

2. VA520R (Validation Program)

- Trigger:** Called during the validation of the c2okhv field.
- Logic:** This program checks the validity of the input against existing records.
- Impact:** Ensures that the data integrity is maintained before any updates are made.

3. RA526R (Reference Program)

- Trigger:** Called during the validation of the c2opra field.
- Logic:** This program retrieves additional information related to the input for further validation.
- Impact:** Represents the handoff to the next major business function, ensuring that all references are valid before processing.