

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 ERP system, based on an analysis of the RPG program VG100R. The primary focus is on the processing of overgroup records and the associated subfile management.

The core logic for maintaining overgroups is contained within the various subroutines in VG100R. The program handles user interactions through a series of subfiles, allowing for the creation, updating, deletion, and display of overgroup records.

Order Status and Header Rules

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

1. Record Creation

- Logic:** Records are created in the overgroup file based on user input in the subfile.
- File:** vogrl1 (Overgroup Master File)
- Field:** vogrl1_oogr
- Condition:** A new record is created if the user selects the option to add a new overgroup.

2. Record Update

- Logic:** Existing records can be updated based on user selections in the subfile.
- File:** vogrl1 (Overgroup Master File)
- Field:** vogrl1_oogr
- Condition:** The update occurs if the user selects the update option from the subfile.

Configuration and Authorization Rules

1. User Authorization Check

- Logic:** The program checks if the user has the necessary permissions to perform actions on overgroup records.
- Files:**
 - vogrl1 (Overgroup Master File)
 - vkhvl1 (Product Responsible File)
- Fields:**
 - vkhvl1_kkod (Product Code from vkhvl1)
 - vogrl1_oogr (Overgroup Code from vogrl1)

- Condition:** The program verifies user permissions before allowing updates or deletions.

2. Firm Association

- Logic:** Each operation is associated with a specific firm, ensuring that users can only access records relevant to their firm.
- File:** vogrl1 (Overgroup Master File)
- Field:** w_firm
- Condition:** Actions are restricted to records where the firm matches the user's firm.

Financial and Transactional Rules

1. Record Deletion

- Logic:** Users can delete overgroup records, which also triggers the deletion of associated main and subgroups.
- File:** vogrlu (Overgroup Update File)
- Fields:**
 - vogrlu_oogr (Overgroup Code)
 - vhgrlu_hogr (Main Group Code)
- Condition:** The deletion is executed if the user confirms the deletion action.

2. Subfile Update

- Logic:** The subfile is updated to reflect changes made to overgroup records.
- File:** b1sfl (Subfile for Overgroups)
- Condition:** The subfile is refreshed after any create, update, or delete operation.

Special Conditions (Program-Specific)

1. Subfile Positioning (VG100R)

- Logic:** The program positions the subfile based on user input or record selections.
- File:** b1sfl (Subfile for Overgroups)
- Field:** w_srrn (Relative Record Number)
- Condition:** Positioning occurs if the user specifies an overgroup or description for filtering. Note: This positioning logic is crucial for user navigation within the subfile.

2. Record Copying (VG100R)

- Logic:** The program allows users to copy overgroup records, creating new entries based on existing data.
- File:** vogrl1 (Overgroup Master File)
- Fields:** vogrl1_oogr (Overgroup Code), vogrl1_otxt (Overgroup Description)
- Condition:** Copying is initiated when the user selects the copy option from the interface.

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 overgroup record.
- Logic:** This program handles the detailed maintenance of overgroup records, including validation and updates.
- Impact:** This call acts as a **major logical gateway** for maintaining overgroup records.

2. VA520R (Validation Program)

- Trigger:** Called for validating product codes associated with overgroups.
- Logic:** This program checks if the product code exists and is valid.
- Impact:** Ensures that only valid product codes are associated with overgroups, preventing data integrity issues.

3. RA526R (Reference Program)

- Trigger:** Called for validating references associated with overgroups.
- Logic:** This program checks if the reference code exists and is valid.
- Impact:** Ensures that only valid references are associated with overgroups, maintaining data integrity.

This documentation provides a comprehensive overview of the business logic implemented in the VG100R program, detailing the rules and conditions that govern the maintenance of overgroups within the ASOFAK ERP system.