

# GL104R.MBR

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## Business Logic for GL104R

This document outlines the business rules that govern the maintenance of payment proposals in the ASOKON ERP system, based on an analysis of the RPG program GL104R. The primary focus is on the rules and logic that dictate how payment proposals are created, modified, and validated. The core logic for maintaining payment proposals is contained within the various subroutines in GL104R. The program processes user inputs, validates data, and interacts with multiple files to manage payment proposals effectively.

## Order Status and Header Rules

**GL104R:** GUBFPF, GUBFL8, RLTRLU, RL101R, GL140R

### 1. Proposal Status Check

- Logic:** The program checks if a payment proposal has been transferred to the bank by examining the GASTAT field. If GASTAT is 'G', the proposal cannot be modified.
- File:** GUBFL8 (Payment proposal file)
- Field:** GASTAT
- Condition:** "The proposal cannot be maintained if GASTAT is equal to 'G'."

### 2. Error Return Check

- Logic:** The program checks if the proposal contains any error returns by calling the GL140R program. If an error return is found, it marks the proposal accordingly.
- File:** GUBFL8 (Payment proposal file)
- Field:** GAREKO
- Condition:** "If the proposal contains an error return, GAREKO is marked with 'F' for error return."

## Configuration and Authorization Rules

### 1. Renumbering Logic

- Logic:** Renumbering of proposals is not executed if the proposal has been transferred to the bank or if it is a payroll transaction.
- Files:**
  - GUBFL8 (Payment proposal file)
- Fields:**
  - WPPARM (Parameter indicating if it's a payroll transaction)
  - WPBFLI (Line number of the proposal)
- Condition:** "Renumbering will not occur if WPPARM is 'L' or if the proposal has been transferred (indicated by \*IN38 being on)."

### 2. Bank Communication Check

- Logic:** The program checks if communication with the bank is active before transferring proposals. If not, it prevents the transfer.
- File:** GFASP (Bank communication file)

- Field:** GEFKOM

- Condition:** "The communication with the bank must not be 'PC' or 'J' to proceed with the transfer."

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## Financial and Transactional Rules

### 1. Payment Proposal Deletion

- Logic:** Proposals can be deleted unless they have been transferred to the bank. If a proposal is locked, a warning is displayed.

- File:** GUBFPF (Payment proposal file)

- Fields:**

- GASTAT (Status of the proposal)

- GAREKO (Error return code)

- Condition:** "A proposal cannot be deleted if it has been transferred (indicated by \*IN38 being on)."

### 2. Date Change for Payroll Transactions

- Logic:** If the user wants to change the payment date for payroll transactions, the program checks if the new date is valid and updates all related transactions.

- File:** GUBFLU (Payroll transactions file)

- Condition:** "The new payment date must be valid and cannot be earlier than the original transaction date."

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## Special Conditions (Program-Specific)

### 1. Locked Proposal Warning (GL104R)

- Logic:** If a user attempts to open a locked proposal, a warning message is displayed, indicating that the proposal cannot be modified.

- File:** GUBFL8 (Payment proposal file)

- Field:** GASTAT

- Condition:** "A warning is shown if the proposal is locked (indicated by \*IN38 being on)."

### 2. Error Return Handling (GL140R)

- Logic:** The program checks for error returns in the proposal and updates the relevant fields accordingly.

- File:** GUBFL8 (Payment proposal file)

- Fields:**

- B2ANFE (Error return count)

- D\_BFLI (Line number of the proposal)

- Condition:** "If an error return is detected, the proposal is marked for review."

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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. GL101R (Proposal Renumbering)

- Trigger:** Called before modifying a proposal to ensure that renumbering is necessary.

- Logic:** Checks if renumbering should occur based on the proposal's status.

- Impact:** This call acts as a **gatekeeper** for proposal modifications.

## 2. GL140R (Error Return Check)

- Trigger:** Called to validate if the proposal contains any error returns.

- Logic:** Validates the proposal against error return criteria.

- Impact:** This is a **critical validation step** that ensures only valid proposals are processed.

## 3. GL105C (Transfer Proposal to Bank)

- Trigger:** Called when transferring a proposal to the bank.

- Logic:** Executes the transfer process and updates the proposal status.

- Impact:** Represents the **final step** in the payment proposal process, ensuring that proposals are correctly transferred.

This documentation provides a comprehensive overview of the business logic implemented in the GL104R program, detailing the rules and conditions that govern payment proposal maintenance within the ASOKON ERP system.