

# EK100R.MBR

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## Business Logic for Customer Bonus Maintenance

This document outlines the business rules that govern the customer bonus maintenance process, based on an analysis of the RPG program EK100R. The primary focus is on how customer bonuses are managed, updated, and displayed within the system.

The core logic for customer bonus maintenance is contained within the various subroutines in EK100R. The program allows users to select customers from a list and manage their bonus parameters, including calculations, updates, and display of relevant information.

## Customer Selection and Bonus Rules

**Customer Bonus Maintenance:** Rkunl1, Rkunl2, Ekboi1, Ekbei1, Ekbtir, Ekbtu

### 1. Select Customer

- Logic:** The program allows the user to select a customer from a list based on customer number or name.
- Files:** Rkunl1 (Customer number file), Rkunl2 (Customer name file)
- Field:** Rkunl1\_kund, Rkunl2\_alfa
- Condition:** The program will not proceed with customer selection if both fields are blank.

### 2. Display Bonus Information

- Logic:** Displays bonus information for the selected customer, including eligibility and bonus parameters.
- Files:** Ekboi1 (Bonus information file)
- Field:** Ekboi1\_bkun
- Condition:** The display will not show any information if the selected customer does not have an associated bonus record.

## Configuration and Update Rules

### 1. Update Bonus Parameters

- Logic:** The program updates the bonus parameters for the selected customer based on user input.
- Files:**
  - Ekboi1 (Bonus information file)
  - Ekbei1 (Bonus element file)
- Fields:**
  - Ekboi1\_bkun (Customer number)
  - Ekbei1\_ebku (Bonus element customer number)
- Condition:** The update will only occur if the customer number is valid and exists in the bonus files.

### 2. Mass Update of Bonus Parameters

- Logic:** Allows for mass updates of bonus parameters for multiple customers.
  - File:** Ekboi1 (Bonus information file)
  - Field:** Ekboi1\_bkun
  - Condition:** The mass update will only execute if the user has specified a valid range of customers.
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## Financial and Transactional Rules

### 1. Calculate Annual Bonus

- Logic:** Calculates the annual bonus for the selected customer based on defined parameters.
- File:** Ekboi1 (Bonus information file)
- Fields:**
  - B1kund (Customer number)
  - B1navn (Customer name)
- Condition:** The calculation will only proceed if the customer has a valid bonus agreement.

### 2. Generate Customer Letter

- Logic:** Generates a letter for the customer detailing their bonus information.
  - File:** Ekbtir (Bonus type file)
  - Condition:** The letter generation will only occur if the customer has an active bonus agreement.
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## Special Conditions (Program-Specific)

### 1. Handle Customer Bonus Copying (EK100R)

- Logic:** Allows the user to copy bonus parameters from one customer to another.
- File:** Ekboi1 (Bonus information file)
- Field:** Ekboi1\_bkun
- Condition:** The copying process will only execute if the source customer has valid bonus parameters.

### 2. Bonus Calculation for All Customers (EK715R)

- Logic:** Triggers a calculation of bonuses for all customers in the system.
  - File:** Ekboi1 (Bonus information file)
  - Fields:** N/A
  - Condition:** This process can be initiated only by authorized users.
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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. EK120R (Bonus Update Program)

- Trigger:** Called when the user selects to update a specific customer's bonus parameters.
- Logic:** This program handles the detailed logic for updating bonus parameters based on user input.
- Impact:** This call acts as a **critical update function** for maintaining customer bonuses.

### 2. EK104R (Bonus Calculation Program)

- Trigger:** Called when the user requests to calculate the bonus for a specific customer.

- Logic:** This program performs the calculations based on the defined rules for bonuses.
- Impact:** This is a **key calculation step** that determines the financial impact on customer bonuses.

### 3. EK715R (Mass Bonus Calculation Program)

- Trigger:** Called when the user initiates a mass calculation for all customers.
- Logic:** This program processes the calculations for all customers in the system.
- Impact:** Represents the **bulk processing function** that can significantly affect multiple customer records simultaneously.