

# 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 management is contained within the various subroutines in EK100R. The program allows for the selection of customers from a list, updates bonus parameters, and handles the calculation and display of bonuses.

## Customer Selection and Bonus Rules

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

### 1. Select Eligible Customers

- Logic:** The program selects customers eligible for bonuses based on specific criteria (e.g., customer category).
- File:** Rkunl1 (Customer List)
- Field:** Rkunl1\_Kund
- Condition:** The process will only select a record if the customer category is 310 or 314.

### 2. Update Bonus Parameters

- Logic:** The program allows for mass updates of bonus parameters for selected customers.
- Files:**
  - Ekboi1 (Bonus Information)
  - Ekbeiu (Bonus Element Information)
- Fields:**
  - Ekboi1\_Bkun (Bonus Customer)
  - Ekbeiu\_Ebku (Bonus Element Customer)
- Condition:** The update occurs when the user selects the mass update option.

## Configuration and Authorization Rules

### 1. Authorization for Bonus Calculation

- Logic:** Users must have the appropriate authorization to calculate bonuses for customers.
- Files:**
  - Rkunl1 (Customer List)
  - Ekboi1 (Bonus Information)
- Fields:**
  - Rkunl1\_Kund (Customer Number)
  - Ekboi1\_Bkun (Bonus Customer)
- Condition:** The calculation is only performed if the user has the required permissions.

### 2. Display Customer Bonus Information

- Logic:** The program displays bonus information for customers in a subfile format.
  - File:** Rkunl1 (Customer List)
  - Field:** Rkunl1\_Kund
  - Condition:** The display is triggered when the user selects the option to view bonuses.
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## Financial and Transactional Rules

### 1. Calculate Annual Bonus

- Logic:** The program calculates the annual bonus for a selected customer based on predefined criteria.
- File:** Ekboi1 (Bonus Information)
- Fields:**
  - Ekboi1\_Bkun (Bonus Customer)
  - Ekboi1\_Bonus (Bonus Amount)
- Condition:** The calculation is performed when the user selects the option to calculate the annual bonus.

### 2. Mass Update Bonus Period

- Logic:** The program allows for the mass update of bonus periods for multiple customers.
  - File:** Ekboi1 (Bonus Information)
  - Condition:** This update is initiated when the user selects the mass update option for bonus periods.
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## Special Conditions (Program-Specific)

### 1. Customer Letter Generation (EK100R)

- Logic:** The program generates letters for customers regarding their bonuses.
- File:** Ekbtir (Bonus Type Information)
- Field:** Ekbtir\_Tbku
- Condition:** This process is executed when the user selects the option to generate customer letters.

### 2. Copy Bonus to Another Customer (EK100R)

- Logic:** The program allows users to copy bonus information from one customer to another.
  - File:** Ekboi1 (Bonus Information)
  - Fields:**
    - Ekboi1\_Bkun (Source Customer)
    - Ekboi1\_Bkun (Target Customer)
  - Condition:** The copy operation is performed when the user selects the copy option.
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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 Parameter Update)

- Trigger:** Called when the user selects the option to update bonus parameters.
- Logic:** This program handles the logic for updating bonus parameters for the selected customer.

- Impact:** This call acts as a **major logical gateway** for updating bonus information.

## **2. EK104R (Bonus Calculation)**

- Trigger:** Called when calculating bonuses for a specific customer.

- Logic:** This program performs the calculations necessary to determine the bonus amount.

- Impact:** This is a **critical calculation step** that directly affects the financial records.

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

- Trigger:** Called when the user selects the option to calculate bonuses for all customers.

- Logic:** This program processes the mass calculation of bonuses for all eligible customers.

- Impact:** Represents the handoff to the next major business function of mass bonus processing.

This documentation provides a comprehensive overview of the business logic within the EK100R program, detailing the rules and conditions that govern customer bonus maintenance and management.