

# 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 the rules and logic related to managing customer bonuses, including updating parameters, calculating bonuses, and handling special conditions.

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, update bonus parameters, and perform calculations related to customer bonuses.

## Customer Selection and Bonus Rules

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

### 1. Select Customer

- Logic:** The program allows users to select a customer from a list for bonus maintenance.
- File:** Rkunl1 (Customer List)
- Field:** Rkunl1\_Kund
- Condition:** The process will not select a record if the customer ID is not provided.

### 2. Update Bonus Parameters

- Logic:** Users can update bonus parameters for selected customers.
- File:** Ekboi1 (Bonus Information)
- Field:** Ekboi1\_Bkun
- Condition:** The update occurs only if the selected customer has existing bonus records.

## Configuration and Authorization Rules

### 1. Mass Update of Bonus Parameters

- Logic:** The program supports mass updates of bonus parameters for multiple customers.
- Files:**
  - Ekboiu (Bonus Update Information)
  - Ekbei1 (Bonus Element Information)
- Fields:**
  - Ekboiu\_Bkun (from Ekboiu)
  - Ekbei1\_Ebku (from Ekbei1)
- Condition:** The mass update is triggered only if the user confirms the action.

### 2. Calculate Annual Bonus

- Logic:** The program calculates the annual bonus for a specific customer based on defined criteria.
- File:** Ekboi1 (Bonus Information)
- Field:** Ekboi1\_Bkun

- Condition:** The calculation is performed only if the customer is eligible for a bonus.
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## Financial and Transactional Rules

### 1. Copy Bonus to Another Customer

- Logic:** The program allows copying bonus parameters from one customer to another.
- File:** Ekboi1 (Bonus Information)
- Fields:**
  - Ekboi1\_Bkun (Source Customer)
  - Ekboi1\_Bkun (Target Customer)
- Condition:** The copy operation is executed only if the source customer has valid bonus records.

### 2. Delete Bonus Records

- Logic:** The program can delete existing bonus records for a customer.
  - File:** Ekboi1 (Bonus Information)
  - Condition:** Deletion occurs if the user confirms the action and the records exist.
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## Special Conditions (Program-Specific)

### 1. Handle Special Bonus Types (EK100R)

- Logic:** The program can handle multiple bonus types and applies specific logic based on the type.
- File:** Ekbtir (Bonus Type Information)
- Field:** Ekbtir\_Tbku
- Condition:** The logic is applied based on the selected bonus type; specific calculations may vary.

### 2. Generate Customer Letter (EK100R)

- Logic:** The program generates a letter for the customer regarding their bonus status.
  - File:** Ekbtir (Bonus Type Information)
  - Fields:** Ekbtir\_Tbku (Customer ID), Ekbtir\_Tbku (Bonus Type)
  - Condition:** The letter generation is contingent upon the customer having a valid bonus agreement.
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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 Program)

- Trigger:** Called during the processing of function keys for updating bonus parameters.
- Logic:** This program handles the specifics of updating bonus parameters for customers.
- Impact:** This call acts as a **major logical gateway** for updating customer bonuses.

### 2. EK104R (Bonus Calculation Program)

- Trigger:** Called when calculating bonuses for a specific customer.
- Logic:** This program performs the actual calculations based on the customer's data.
- Impact:** This is a **critical calculation step** that affects the customer's bonus outcome.

### 3. EK715R (Calculate All Customer Bonuses)

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

- Logic:** This program aggregates and processes bonus calculations across all customers.

- Impact:** Represents the handoff to the next major business function, ensuring all customers are evaluated for bonuses.

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