EK100R.MBR

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Business Logic for EK100R

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, including updates, calculations, and display logic.

The core logic for customer bonus management is contained within the various subroutines in EK100R. The program processes customer records, allowing for the maintenance of bonus parameters and the calculation of bonuses based on specific criteria.

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Customer Bonus and Maintenance Rules

Process_Name: Kunde bonus, vedlikehold - parameter (liste): rkunl1, rkunl2, ekboi1, ekbei1, ekbtir, ekbtiu

1. Display Eligible Customers

•**Logic:** The program displays a list of customers who are eligible for bonuses based on specific criteria.

•**File:** rkunl1 (Customer List)

•**Field:** rkunl1_kund

•**Condition:** The program selects records from rkunl1 where the customer category is either 310 or 314.

2. Update Bonus Parameters

•**Logic:** The program allows for the mass update of bonus parameters for selected customers.

•**File:** ekboi1 (Bonus Parameters)

•**Field:** ekboi1_bkun

•**Condition:** The update is triggered when the user selects the mass update option.

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Configuration and Authorization Rules

1. Check for Bonus Agreement

•**Logic:** Before processing a customer, the program checks if the customer has a valid bonus agreement.

•**Files:**

•ekbtir (Bonus Agreement)

•ekboi1 (Bonus Parameters)

•**Fields:**

•ekbtir_tbku (Customer ID from Bonus Agreement)

•ekboi1_bkun (Customer ID from Bonus Parameters)

•**Condition:** The process will not proceed if the customer does not have an active bonus agreement.

2. Validate Bonus Calculation Period

•**Logic:** The program ensures that the bonus calculation period is valid before proceeding with calculations.

- **File:** ekboi1 (Bonus Parameters)
- **Field:** ekboi1_bkun
- **Condition:** The period must be within the acceptable range (1 to 12).

Financial and Transactional Rules

1. Calculate Annual Bonus

- **Logic:** The program calculates the annual bonus for a selected customer based on their bonus parameters.
- **File:** ekboi1 (Bonus Parameters)
- **Fields:**
- ekboi1_bkun (Customer ID)
- b1sbon (Calculated Bonus Amount)
- **Condition:** The calculation is performed if the customer has valid bonus parameters.

2. Copy Bonus to Another Customer

- **Logic:** The program allows the user to copy bonus parameters from one customer to another.
- **File:** ekboi1 (Bonus Parameters)
- **Condition:** The copy operation is triggered when the user selects the copy option.

Special Conditions (Program-Specific)

1. Handle Multiple Bonus Groups (EK100R)

- **Logic:** The program can handle multiple bonus groups for a customer, allowing for up to 99 groups.
- **File:** ekboi1 (Bonus Parameters)
- **Field:** ekboi1_bkun
- **Condition:** The program checks the number of bonus groups assigned to a customer and processes accordingly.

2. Generate Customer Letter (EK100R)

- **Logic:** The program generates a customer letter based on the bonus parameters.
- **File:** ekbtir (Bonus Agreement)
- **Fields:** ekbtir_tbku (Customer ID), ekbtir_bdat (Bonus Date)
- **Condition:** The letter generation is triggered when the user selects the option to print a customer letter.

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 to update bonus parameters.
- **Logic:** This program handles the logic for updating the bonus parameters for a specific customer.
- **Impact:** This call acts as a **major logical gateway** for updating customer bonuses.

2. EK710C (Bonus Calculation)

- **Trigger:** Called during the annual bonus calculation process.

•**Logic:** This program performs the actual calculations for the annual bonus based on the parameters provided.

•**Impact:** This is a **critical calculation step** that determines the final bonus amount for the customer.

3. EK715R (Calculate Bonuses for All Customers)

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

•**Logic:** This program iterates through all eligible customers and calculates their bonuses.

•**Impact:** Represents the handoff to the next major business function of processing all customer bonuses in bulk.