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 calculated within the system.

The core logic for customer bonus management is contained within the various subroutines in EK100R. This program allows for the selection of customers from a list, updating bonus parameters, and performing calculations related to customer bonuses.

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Customer Selection and Bonus Rules

Customer Bonus Maintenance: Rkunlr, Rkunl1, Rkunl2, Ekboi1, Ekbtir, Ekbeiu, Ekbei1, Ekbtiu

1. Select Customer

•**Logic:** The program allows users to select a customer from a list for bonus maintenance.

•**File:** Rkunlr (Customer master file)

•**Field:** Rkunl1_kund

•**Condition:** The process will not select a record if Rkunl1_kund is not equal to a valid customer ID.

2. Display Eligible Customers

•**Logic:** Only customers eligible for bonuses (categories 310/314) are displayed.

•**File:** Rkunl1 (Customer list file)

•**Field:** Rkunl1_kund

•**Condition:** Customers are filtered based on eligibility criteria defined in the program.

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Configuration and Authorization Rules

1. Update Bonus Parameters

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

•**Files:**

•Ekboi1 (Bonus parameters file)

•Ekbeiu (Bonus elements file)

•**Fields:**

•Ekboi1_bkun (Bonus customer ID from Ekboi1)

•Ekbeiu_ebku (Bonus element customer ID from Ekbeiu)

•**Condition:** The update will only occur if the selected customer has valid bonus parameters.

2. Check for Valid Bonus Agreement

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

•**File:** Ekbtir (Bonus agreement file)

•**Field:** Ekbtir_tbku

•**Condition:** The process will not proceed if Ekbtir_tbku does not match the selected customer ID.

Financial and Transactional Rules

1. Calculate Annual Bonus

•**Logic:** The program calculates the annual bonus for a selected customer based on defined criteria.

•**File:** Ekboi1 (Bonus parameters file)

•**Fields:**

•Ekboi1_bkun (Bonus customer ID)

•Ekboi1_key (Key for accessing bonus parameters)

•**Condition:** The calculation will only occur if the customer has valid bonus parameters.

2. Generate Customer Letter

•**Logic:** The program generates a letter for the customer detailing their bonus information.

•**File:** Ekbtir (Bonus agreement file)

•**Condition:** The letter generation will only occur if the customer has an active bonus agreement.

Special Conditions (Program-Specific)

1. Mass Update of Bonus Time Periods (EK100R)

•**Logic:** The program allows for mass updates of the bonus time periods for customers.

•**File:** Ekboi1 (Bonus parameters file)

•**Field:** Ekboi1_bkun

•**Condition:** The update will only be executed if the selected customers have valid bonus records.
 Note: This functionality is crucial for maintaining accurate bonus periods.

2. Copy Bonus to Another Customer (EK100R)

•**Logic:** The program allows copying bonus parameters from one customer to another.

•**File:** Ekboi1 (Bonus parameters file)

•**Fields:** Ekboi1_bkun (source customer), Ekboi1_key (key for accessing bonus parameters)

•**Condition:** The copy operation will only occur if the source customer has valid bonus
 parameters.

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 when the user selects to update bonus parameters.

•**Logic:** This program handles the logic for updating bonus parameters for selected customers.

•**Impact:** This call acts as a **major logical gateway** for ensuring that bonus parameters are correctly updated.

2. EK104R (Bonus Calculation Program)

•**Trigger:** Called when calculating bonuses for a customer.

•**Logic:** This program performs the calculations necessary to determine the annual bonus for the selected customer.

•**Impact:** This is a **critical step** in ensuring that bonuses are calculated accurately based on the latest data.

3. EK715R (Mass Bonus Calculation Program)

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

•**Logic:** This program calculates bonuses for all customers based on predefined criteria.

•**Impact:** This represents the handoff to the next major business function of processing bonuses for multiple customers simultaneously.