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 logic that handles the selection and updating of customer bonus parameters.

The core logic for managing customer bonuses is contained within the various subroutines in EK100R. The program allows users to select customers from a list and perform operations related to bonus calculations, updates, and reporting.

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Order Status and Header Rules

Customer Bonus Maintenance: rkunlr, rkunl1, rkunl2, ekbost, ekbtst, ekbest

1. Select Eligible Customers

•**Logic:** The program filters and displays only customers eligible for bonuses based on specific criteria.

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

•**Field:** rkunl1_kund

•**Condition:** The process will not select a record if the customer category does not match the eligible categories (310/314).

2. Update Bonus Parameters

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

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

•**Field:** ekbkun

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

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Configuration and Authorization Rules

1. Authorization for Bonus Calculation

•**Logic:** Only authorized users can initiate bonus calculations for customers.

•**Files:**

•ekboi1 (Bonus information file)

•ekbtir (Bonus type register)

•**Fields:**

•ekboi1_bkun (Customer ID from bonus information)

•ekbtir_tbku (Customer ID from bonus type)

•**Condition:** The calculation will not proceed if the user lacks the necessary permissions.

2. Customer Selection Validation

•**Logic:** The program validates the selected customer before processing.

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

•**Field:** rkunl1_kund

•**Condition:** The process will not proceed if the customer ID is not found in the customer master file.

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Financial and Transactional Rules

1. Bonus Calculation Logic

•**Logic:** The program calculates bonuses based on predefined criteria and customer data.

•**File:** ekboi1 (Bonus information file)

•**Fields:**

•ekbkun (Customer ID)

•eksbon (Bonus amount)

•**Condition:** The calculation will only be performed if the customer has an active bonus agreement.

2. Report Generation for Customer Bonuses

•**Logic:** The program generates reports for customers detailing their bonus status.

•**File:** ekbtir (Bonus type register)

•**Condition:** Reports will only be generated for customers with valid bonus types.

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Special Conditions (Program-Specific)

1. Mass Update of Bonus Periods (EK100R)

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

•**File:** ekboiu (Bonus update file)

•**Field:** ekboiu_bkun

•**Condition:** The update will only occur if the user confirms the action.

2. Customer Letter Generation (EK100R)

•**Logic:** The program generates letters for customers regarding their bonus status.

•**File:** ekbtir (Bonus type register)

•**Fields:** ekbtir_tbku (Customer ID), ekbtir_bdat (Bonus date)

•**Condition:** Letters will only be generated for customers with 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 Update Program)

•**Trigger:** Called when the user selects to update bonus parameters.

•**Logic:** This program handles the logic for updating bonus information in the relevant files.

•**Impact:** This call acts as a **major logical gateway** for updating customer bonuses.

2. EK710C (Bonus Calculation Program)

•**Trigger:** Called during the bonus calculation process.

•**Logic:** This program performs the actual calculations based on customer data and bonus types.

•**Impact:** This is a **critical calculation step** that directly affects the bonus amounts.

3. EK715R (Mass Calculation Program)

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

•**Logic:** This program processes all eligible customers and calculates their bonuses.
•**Impact:** Represents the handoff to the next major business function of mass bonus calculations.