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 handling and updating of customer bonus parameters within the system.

The core logic for customer bonus maintenance is contained within the various subroutines in EK100R. The program facilitates the selection of customers from a list, updates bonus parameters, and manages the calculation and display of bonuses.

Customer Selection and Bonus Parameter Rules

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

1. Select Eligible Customers

•**Logic:** The program selects customers eligible for bonuses based on specific criteria, including customer categories (310/314).

•**File:** Rkunlr (Customer file)

•**Field:** Rkunl1_kund

•**Condition:** The program will only select customers if they meet the eligibility criteria for bonuses.

2. Update Bonus Parameters

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

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

•**Field:** Ekboi1_bkun

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

Configuration and Authorization Rules

1. Authorization for Bonus Calculation

•**Logic:** The program checks if the user has authorization to calculate bonuses for all customers.

•**Files:**

•Rkunlr (Customer file)

•Ekboi1 (Bonus parameters file)

•**Fields:**

•Rkunl1_kund (Customer ID from Rkunlr)

•Ekboi1_bkun (Bonus customer ID from Ekboi1)

•**Condition:** The calculation will only proceed if the user is authorized and the customer exists in the bonus file.

2. Validation of Bonus Type

•**Logic:** The program validates the type of bonus before performing updates.

•**File:** Ekbtir (Bonus type file)

•**Field:** Ekbtir_tbku

•**Condition:** The process will not update if the bonus type is not valid.

Financial and Transactional Rules

1. Calculate Annual Bonus

•**Logic:** The program calculates the annual bonus for each customer based on their bonus parameters.

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

•**Fields:**

•Ekboi1_bkun (Customer ID)

•Ekboi1_key (Key for bonus parameters)

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

2. Generate Customer Letters

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

•**File:** Ekbtir (Bonus type file)

•**Condition:** Letters will only be generated if the customer has a valid bonus agreement.

Special Conditions (Program-Specific)

1. Mass Update of Bonus Duration (EK100R)

•**Logic:** The program allows for a mass update of the bonus duration for all customers or selected customers.

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

•**Field:** Ekboi1_bkun

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

2. Copy Bonus to Another Customer (EK100R)

•**Logic:** The program provides functionality to copy bonus parameters from one customer to another.

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

•**Fields:**

•Ekboi1_bkun (Source customer ID)

•Ekboi1_key (Key for bonus parameters)

•**Condition:** The copy operation will only proceed 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 the option to update bonus parameters.

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

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

2. EK710C (Bonus Calculation Program)

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

•**Logic:** This program performs the calculations based on the provided parameters.

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

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 eligible customers based on their parameters.

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