EK100R.MBR

Path: NXCLOUD/rpgsrc/EK100R.MBR **Generated**: 2026-01-08 13:32:06 **Processing Time**: 13840ms

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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 displayed within the system.

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

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Customer Selection and Bonus Management Rules

Customer Bonus Management: Rkunl1, Rkunl2, Ekboi1, Ekbei1, Ekbtir, Ekbtiu

1. Select Customer

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

•**Files:** Rkunl1 (Customer list), Rkunl2 (Customer alpha list)

•**Field:** Rkunl1_kund, Rkunl2_alfa

•**Condition:** The selection is based on user input for customer number or name.

2. Update Bonus Parameters

•**Logic:** Users can update bonus parameters for the selected customer.

•**Files:** Ekboi1 (Bonus information), Ekbei1 (Bonus elements)

•**Field:** Ekboi1_bkun, Ekbei1_ebku

•**Condition:** The update occurs when the user confirms changes through the interface.

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Configuration and Authorization Rules

1. Authorization Check for Bonus Calculation

•**Logic:** The program checks if the selected customer has a valid bonus agreement before proceeding with calculations.

•**Files:** Ekbtir (Bonus agreement)

•**Field:** Ekbtir_tbku

•**Condition:** The process will not proceed if b_avtal is set to *off.

2. Mass Update of Bonus Period

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

•**Files:** Ekboiu (Bonus update)

•**Field:** Ekboiu_bkun

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

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Financial and Transactional Rules

1. Bonus Calculation for Individual Customer

- **Logic:** The program calculates the annual bonus for a selected customer based on predefined criteria.
- **Files:** Ekboi1, Ekbtir
- **Fields:**
- Ekboi1_bkun (Customer bonus)
- Ekbtir_tbku (Bonus type)
- **Condition:** The calculation is executed when the user selects the option to calculate bonuses.

2. Copy Bonus to Another Customer
- **Logic:** Users can copy bonus parameters from one customer to another.
- **Files:** Ekboi1, Ekbei1
- **Condition:** The copy operation is initiated when the user selects the corresponding function key.

Special Conditions (Program-Specific)

1. Handling of Multiple Bonus Groups (EK100R)
- **Logic:** The program is designed to handle multiple bonus groups, allowing for up to 99 different groups.
- **File:** Ekboi1 (Bonus information)
- **Field:** Ekboi1_bkun
- **Condition:** The program checks the bonus group during updates and calculations.

2. Display Customer Bonus Letters (EK100R)
- **Logic:** The program generates customer letters based on bonus calculations and agreements.
- **Files:** Ekbtir (Bonus agreements)
- **Fields:** Ekbtir_tbku (Customer bonus type)
- **Condition:** The letter generation is triggered when the user selects the appropriate option.

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 bonus parameters for the selected customer.
- **Impact:** This call acts as a **critical update step**, ensuring that bonus parameters are correctly modified.

2. EK104R (Bonus Calculation Program)
- **Trigger:** Called when the user selects the option to calculate bonuses for a customer.
- **Logic:** This program performs the calculations necessary to determine the annual bonus for the selected customer.
- **Impact:** This is a **key financial calculation step**, directly impacting the customer's bonus amount.

3. EK715R (Mass Bonus Calculation Program)
- **Trigger:** Called when the user selects the option to calculate bonuses for all customers.

•**Logic:** This program handles the logic for calculating bonuses across multiple customers.

•**Impact:** Represents the handoff to the next major business function, ensuring that all customer bonuses are updated in bulk.

This documentation provides a comprehensive overview of the business logic implemented in the EK100R program, detailing how customer bonuses are managed, updated, and calculated within the system.