

EK100R.MBR

Path: NXCLOUD/rpgsrc/EK100R.MBR Generated: 2026-01-08 12:34:32 Processing Time: 11674ms

Business Logic for Kunde 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 of customer bonuses, including the selection, updating, and calculation of bonuses based on various parameters.

The core logic for managing customer bonuses is contained within the forny subroutine in EK100R . This subroutine is responsible for refreshing the subfile that displays customer bonus information and managing user interactions.

Order Status and Header Rules

Kunde Bonus Maintenance: rkunlr, rkunl1, rkunl2, ekbst, ekbtst, ekbest

1. Display Eligible Customers

- **Logic:** The program displays only customers eligible for bonuses based on specific criteria.
- **File:** rkunlr (Customer Master File)
- **Field:** rkkund
- **Condition:** The program will not select a record if the customer does not meet the eligibility criteria defined in the bonus parameters.

2. Update Bonus Parameters

- **Logic:** The program allows for the updating of bonus parameters for selected customers.
- **File:** ekbst (Bonus Parameters File)
- **Field:** ekbkun
- **Condition:** The update will only occur if the selected customer has valid bonus data.

Configuration and Authorization Rules

1. Authorization for Bulk Updates

- **Logic:** The program checks if the user has the necessary permissions to perform bulk updates on bonus parameters.
- **Files:**
 - ekboiu (Bonus Update File)
 - ekbeiu (Bonus Element Update File)
- **Fields:**
 - ekboiu_bkun (from ekboiu)
 - ekbeiu_ebku (from ekbeiu)
- **Condition:** The update will only proceed if the user is authorized, indicated by the b_kuti flag.

2. Customer Selection Validation

- **Logic:** The program validates customer selection to ensure that the customer exists and is eligible for bonus updates.
- **File:** rkunlr (Customer Master File)

- Field:** rkund
 - Condition:** The process will not proceed if the customer ID is zero or not found in the customer file.
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Financial and Transactional Rules

1. Calculate Annual Bonus

- Logic:** The program calculates the annual bonus for the selected customer based on defined parameters.
- File:** ekboi1 (Bonus Information File)

•**Fields:**

- ekbkun (Customer ID)
- ekbdat (Bonus Date)

- Condition:** The calculation will only occur if the customer has valid bonus data and the bonus type is recognized.

2. Bonus Copying Logic

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

- File:** ekboi1 (Bonus Information File)

- Condition:** The copying will only occur if the source customer has valid bonus data and the target customer exists.
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Special Conditions (Program-Specific)

1. Bulk Update of Bonus Time Periods (EK100R)

- Logic:** The program updates the bonus time periods for all eligible customers based on user input.

- File:** ekboiu (Bonus Update File)

- Field:** ekboiu_bkun

- Condition:** The update will only take place if the user confirms the changes and the customer is eligible for a bonus.

2. Customer Letter Generation (EK100R)

- Logic:** The program generates a customer letter based on the selected customer's bonus information.

- File:** ekbtir (Bonus Type Register)

- Fields:** ekbtir_tbku (Customer ID), ekbtir_bdat (Bonus Date)

- Condition:** The letter generation will only proceed if the customer has 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 Parameter Update Program)

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

- Logic:** This program handles the logic for updating bonus parameters based on user input.

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

2. EK104R (Bonus Calculation Program)

- Trigger:** Called when the user selects to calculate the bonus for a specific customer.
- Logic:** This program calculates the bonus based on the parameters set in the main program.
- Impact:** This is a **critical calculation step** that affects the financial records for the customer.

3. EK715R (Bulk Bonus Calculation Program)

- Trigger:** Called when the user selects to calculate bonuses for all customers.
- Logic:** This program processes all eligible customers and applies the bonus calculations.
- Impact:** Represents the handoff to the next major business function, ensuring all customers are evaluated for bonuses.