

# NM700R.MBR

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## Business Logic for NM700R

This document outlines the business rules that govern the export of customer information for an online store, based on an analysis of the RPG program NM700R. The primary focus is on the logic for processing customer data and generating the corresponding output records.

The core logic for exporting customer information is contained within the main program logic of NM700R. The program retrieves customer data from various files, processes it, and formats it into a structured output for further use.

### Customer Data and Record Rules

**NM700R:** rkunl1, rkbplr, fkpr1, fkmalr, anbll3, netkund, netkrappr

#### 1. Data Retrieval for Online Store

- **Logic:** The program retrieves data about the online store and its owner. If no data is found, the process is aborted.
- **File:** anbll3 (Online Store Information)
- **Field:** anbll3\_fgr, anbll3\_fir
- **Condition:** The process will not proceed if the online store data is not found.

#### 2. Customer Record Processing

- **Logic:** The program processes customer records, checking for required fields and generating error messages if necessary.
- **File:** rkunl1 (Customer Information)
- **Field:** rkkund, rknnavn, rksted, rkftnr
- **Condition:** The customer will be excluded if the email address is blank or if required fields are missing.

### Configuration and Authorization Rules

#### 1. Access Code Lookup

- **Logic:** The program checks for an access code in the additional register for the customer.
- **Files:**
  - rkbplr (Customer Access Information)
  - rkunl1 (Customer Information)
- **Fields:**
  - rkbplr\_bkun (Access Code)
  - rkkund (Customer Number)
- **Condition:** The access code is required for processing; if not found, the customer is treated as a private customer.

#### 2. Mandatory Email Check

- **Logic:** The program checks if the customer email is provided; if not, an error message is generated.

- **File:** rkunl1 (Customer Information)
- **Field:** rkemal (Email Address)
- **Condition:** The process will generate an error if the email address is blank and the access code is present.

## Financial and Transactional Rules

### 1. Customer Project Information

- **Logic:** The program retrieves project information associated with the customer and formats it for output.
- **File:** fkprl1 (Customer Project Information)
- **Fields:**
  - flkund (Customer Number)
  - flkpro (Project Number)
- **Condition:** The project information is processed only if the project date is valid.

### 2. Bonus Calculation

- **Logic:** The program calculates the customer's bonus based on their transactions.
- **File:** ekbtir (Bonus Information)
- **Condition:** The bonus is aggregated only for valid transactions.

## Special Conditions (Program-Specific)

### 1. Contact Person Handling (NM700R)

- **Logic:** The program retrieves and formats contact person information for the customer.
- **File:** rukpl6 (Contact Person Information)
- **Field:** rukrol (Role)
- **Condition:** The contact person is included only if their role is 'EHANDEL'.

### 2. Customer Classification Handling (NM700R)

- **Logic:** The program retrieves customer classification information and formats it for output.
- **File:** ckgrl2 (Customer Classification)
- **Fields:** ckgkla (Classification Code), ckktxt (Classification Text)
- **Condition:** The classification is processed only if the customer category is found.

## Subprogram Calls Affecting Logic

Beyond direct file checks, several external subprograms are called that play a significant role in the workflow.

### 1. kontpers (Contact Person Subroutine)

- **Trigger:** Called during customer processing to retrieve contact person details.
- **Logic:** This subroutine checks for contact persons associated with the customer and formats their information.
- **Impact:** This affects the output by including relevant contact details for customers.

### 2. kunbonus (Bonus Calculation Subroutine)

- **Trigger:** Called to calculate the customer's bonus based on their transactions.
- **Logic:** This subroutine aggregates bonuses from the transaction records.

- Impact:** The calculated bonus is included in the final output for the customer.

### **3. \*inzsr (Initialization Subroutine)**

- Trigger:** Called at the beginning of the program to initialize parameters and keys.

- Logic:** This subroutine sets up the keys for reading customer and project information.

- Impact:** Proper initialization is crucial for the accurate retrieval of customer data.

This documentation provides a comprehensive overview of the business logic implemented in the NM700R program, detailing the key rules and processes involved in exporting customer information for the online store.