

# NM700R.MBR

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## Business Logic for NM700R

This document outlines the business rules that govern the export of customer information for the Nettbutikk (web shop) system, based on an analysis of the RPG program NM700R. The primary focus is on the logic that processes customer data and generates messages for export.

The core logic for exporting customer information is contained within the main program logic in NM700R. The program retrieves customer data, checks for required fields, and formats the data for export.

## Customer Information and Export Rules

**NM700R:** rkunl1, rkbplr, fkprl1, fkmalr, anbl13, apospf, ekbtir, ckgrl2, ckklr

### 1. Customer Existence Check

- Logic:** The program checks if the customer exists in the anbl13 file. If not found, it sets the status to 'E' and exits.
- File:** anbl13 (Web shop information)
- Field:** anbl13\_key
- Condition:** The process will not proceed if the customer record is not found.

### 2. Organization Existence Check

- Logic:** The program checks if the organization exists in the anbh file. If not found, it sets the status to 'E' and exits.
- File:** anbh (Organization information)
- Field:** aoleie
- Condition:** The process will not proceed if the organization record is not found.

### 3. Email Address Handling

- Logic:** If the email address of the customer is not filled, a warning message is generated, and the customer is excluded from the export.
- File:** rkunl1 (Customer information)
- Field:** rkprti
- Condition:** The process generates a warning if rkemal (email) is blank and rkprti (access code) is greater than 0.

### 4. Customer Data Formatting

- Logic:** The program formats customer data into a structured message for export, including fields such as name, address, and contact details.
- File:** rkunl1 (Customer information)
- Fields:** rkkund, rknavn, rkgate, rkadr2, rkltfn, rkmobn, rkltfx, rklagr, rkkatg, rkdist
- Condition:** Data is formatted and written to the export message if the customer record is valid.

## Configuration and Authorization Rules

### 1. Access Code Check

- Logic:** The program checks for an access code in the rkbplr file. If not found, the customer is treated as a private customer.

- Files:**

- rkbplr (Customer access information)

- rkunl1 (Customer information)

- Fields:**

- rkbplr\_bkun (Customer access code from rkbplr)

- rkkund (Customer number from rkunl1)

- Condition:** The process will treat the customer as private if no access code is found.

## 2. Contact Person Retrieval

- Logic:** The program retrieves contact person details from the rukpl6 file if the role is 'EHANDEL'.

- File:** rukpl6 (Contact person information)

- Field:** rukrol

- Condition:** The contact person details are retrieved only if the role matches 'EHANDEL'.

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# Financial and Transactional Rules

## 1. Bonus Calculation

- Logic:** The program calculates the customer bonus by summing up values from the ekbtir file.

- File:** ekbtir (Bonus information)

- Fields:**

- ektsbo (Bonus amount)

- ektbda (Bonus date)

- Condition:** The bonus is calculated only if the record is found and the date is valid.

## 2. Project Identification

- Logic:** The program identifies if the customer project number is above a certain threshold to categorize it as a diverse project.

- File:** fkprl1 (Customer project information)

- Condition:** The project is categorized as 'D' if the project number is greater than 900000.

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# Special Conditions (Program-Specific)

## 1. Email Address Assignment

- Logic:** The program assigns the email address of the contact person to the customer if it is filled.

- File:** rukpl6 (Contact person information)

- Field:** rumail

- Condition:** This assignment occurs only if rumail is not blank.

## 2. Customer ID Assignment

- Logic:** The program assigns the organization ID to the customer record for tracking.

- File:** rkunl1 (Customer information)

- Field:** d\_cusorgid

- Condition:** The organization ID is assigned from aoheie.

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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. kontpers (Contact Person Check)**

- Trigger:** Called during the processing of customer data to retrieve contact person details.
- Logic:** This subroutine checks and retrieves contact person information based on the customer number.
- Impact:** Ensures that the contact person details are included in the export if applicable.

### **2. kunbonus (Customer Bonus Calculation)**

- Trigger:** Called to calculate the bonus for the customer.
- Logic:** This subroutine sums up bonus amounts from the ekbtr file.
- Impact:** Provides the total bonus amount for the customer, which is included in the export.

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

- Trigger:** Called at the beginning of the program to set up key fields for reading customer data.
- Logic:** Initializes keys for various customer-related files.
- Impact:** Sets the groundwork for data retrieval and processing throughout the program.

This documentation provides a comprehensive overview of the business logic implemented in the NM700R program, focusing on customer data export processes and associated rules.