

# NN700R.MBR

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## Business Logic for NN700R

This document outlines the business rules that govern the export of customer information from the online store, based on an analysis of the RPG program NN700R. The primary focus is on the data extraction and formatting process for customer details.

The core logic for exporting customer information is contained within the main program logic of NN700R. The program reads customer data from various files, formats it according to a specified structure, and writes it to an output file.

## Customer Data and Export Rules

NN700R: rkunl1, fkprl1, apospf, anbl13, anbhl1, netkund

### 1. Customer Existence Check

- Logic:** The program checks if the customer exists in the rkunl1 file. If not found, it sets the status to 'E' (error) and exits.
- File:** rkunl1 (Customer master file)
- Field:** rkkund
- Condition:** The process will not proceed if the customer record is not found in rkunl1.

### 2. Organization Existence Check

- Logic:** The program checks if the organization exists in the anbhl1 file. If not found, it sets the status to 'E' (error) and exits.
- File:** anbhl1 (Organization file)
- Field:** aoleie
- Condition:** The process will not proceed if the organization record is not found in anbhl1.

## Customer Information Formatting Rules

### 1. Customer Data Formatting

- Logic:** The program formats the customer data into a structured format for export, including fields such as customer number, organization number, name, address, and email.
- Files:**
  - rkunl1 (Customer master file)
  - fkprl1 (Customer project file)
- Fields:**
  - d\_cusnum (Customer number from rkunl1)
  - d\_cusnam (Customer name from rkunl1)
- Condition:** The customer data is only formatted if the customer exists and meets specific criteria.

### 2. Customer Project Data Formatting

- Logic:** The program retrieves and formats project data related to the customer from the fkprl1 file, if applicable.
- File:** fkprl1 (Customer project file)

- Field:** flkpro (Project number)
  - Condition:** The project data is formatted only if the project exists and the customer is valid.
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## Special Conditions (Program-Specific)

### 1. Error Handling for Missing Email

- Logic:** If a business customer is missing an email address, a warning message is generated, and the customer is excluded from the export.
- File:** rkunl1 (Customer master file)
- Field:** rkemal
- Condition:** This check is performed if the customer is a business (rkebiz = 1) and the email field is blank.

### 2. Error Handling for Missing Organization Number

- Logic:** If a business customer is missing an organization number, a warning message is generated, and the customer is excluded from the export.
  - File:** rkunl1 (Customer master file)
  - Field:** rkftnr
  - Condition:** This check is performed if the customer is a business (rkebiz = 1) and the organization number is zero.
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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. NN700R (Customer Export Program)

- Trigger:** The program is called to initiate the export of customer data.
- Logic:** It processes customer records, checks for necessary conditions, and formats data for output.
- Impact:** This call acts as a **major logical gateway** for exporting customer information.

### 2. apospf (Postal Code Lookup)

- Trigger:** Called when formatting customer addresses to retrieve postal information.
- Logic:** It checks the postal code for validity and retrieves corresponding address details.
- Impact:** This ensures that customer addresses are complete and accurate.

### 3. anbhl1 (Organization Lookup)

- Trigger:** Called to verify the existence of an organization associated with the customer.
- Logic:** It checks if the organization exists and retrieves relevant details.
- Impact:** This is crucial for ensuring that customer records are linked to valid organizations before export.