

NN700R.MBR

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Business Logic for NN700R

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

The core logic for exporting customer information is contained within the main program logic of NN700R. The program processes customer records from various files, formats them into a specific structure, and writes the output to a designated file.

Customer Data and Export Rules

NN700R: rkunl1, fkprl1, apospf, anbl3, anbhl1, netkund, netkrappr

1. Customer Existence Check

- Logic:** The program checks if the online store and its owner exist. If either is not found, the process is terminated with an error status.
- File:** anbl3 (Online Store Information)
- Field:** anbl3_fgr, anbl3_fir
- Condition:** The process will not proceed if the online store does not exist (not %found).

2. Message Header Creation

- Logic:** The program creates a message header with a unique reference number and type identifier.
- File:** netkund (Output File for Customer Data)
- Field:** d_unhrefno, d_unhtypeid
- Condition:** The header is written to the output file after the current timestamp is captured.

3. Customer Record Processing

- Logic:** The program iterates through the customer records and checks for mandatory fields. If required fields are missing, the customer is flagged for exclusion.
- File:** rkunl1 (Customer Information)
- Field:** rkftnr, rksted
- Condition:** Customers with missing organization numbers or addresses are excluded from the export.

4. Customer Project Information

- Logic:** For each customer, the program retrieves associated project data and formats it for output.
- File:** fkprl1 (Customer Projects)
- Field:** flkpro, flnavn
- Condition:** Projects are only included if the project date is greater than or equal to the current date.

Validation and Error Handling Rules

1. Email Address Validation

- Logic:** The program checks if the customer's email address is provided. If missing, a warning message is generated.
- File:** rkunl1 (Customer Information)
- Field:** rkemal
- Condition:** If rkemal is blank and rkebiz is 1, the customer is flagged for exclusion.

2. Output Record Count Tracking

- Logic:** The program maintains a count of successfully processed customer records for reporting purposes.
 - File:** netkund (Output File for Customer Data)
 - Field:** d_untnosegmen
 - Condition:** The count is updated for each valid customer record processed.
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Special Conditions (Program-Specific)

1. Error Status Handling

- Logic:** The program sets an error status if any critical data is missing during processing.
- File:** netkrappr (Error Reporting)
- Field:** SrcDta
- Condition:** The program will write an error message if required fields are missing for a customer.

2. Finalization of Export

- Logic:** At the end of processing, the program writes a message footer to indicate the completion of the export.
 - File:** netkund (Output File for Customer Data)
 - Field:** d_unt
 - Condition:** The footer is written after all customer records have been processed.
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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:** This program is executed to initiate the export of customer information.
- Logic:** It retrieves customer data, formats it, and writes it to the output file.
- Impact:** This call acts as a **major logical gateway** for exporting customer data.

2. ANBLPFR (Online Store Lookup)

- Trigger:** Called to retrieve information about the online store and its owner.
- Logic:** It checks for the existence of the online store and retrieves relevant details.
- Impact:** This is a **critical validation step** that determines if the export can proceed.

3. FKPRPFR (Customer Project Lookup)

- Trigger:** Invoked to gather project information associated with customers.
- Logic:** It retrieves project details based on customer identifiers.
- Impact:** This represents the handoff to the next major business function of processing customer projects.

