

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 (online store) process, based on an analysis of the RPG program NM700R. The primary focus is on how customer data is retrieved and formatted for export.

The core logic for exporting customer information is contained within the main program logic and several subroutines, including kontpers and kunbonus, which handle specific aspects of customer data processing.

Customer Information and Record Rules

NM700R: rkunl1, rkbplr, fkprl1, fkmalr, anbl13, anbhl1, ekbtr, ckgrl2, ckllr

1. Retrieve Customer Data

- Logic:** The program retrieves customer data from various files, ensuring that all necessary fields are filled. If critical fields are missing, the customer is flagged for exclusion.
- File:** rkunl1 (Customer master file)
- Field:** rkkund (Customer number)
- Condition:** The process will not select a record if rkkund is not found or if the email field (rkemal) is blank for customers with a valid access code.

2. Check for Organization Information

- Logic:** The program checks for organization information associated with the customer and retrieves it if available.
- File:** anbhl1 (Organization information)
- Field:** aolbut (Organization ID)
- Condition:** The process will not proceed if no organization information is found.

Configuration and Authorization Rules

1. Access Code Validation

- Logic:** The program checks if the customer has a valid access code from the rkbplr file. If not found, it sets a default value.
- Files:**
 - rkbplr (Customer access codes)
 - rkunl1 (Customer master file)
- Fields:**
 - rkbplr_bkun (Access code)
 - rkkund (Customer number)
- Condition:** The process will not proceed if the access code is not found, and a message is logged.

2. Email Address Handling

- Logic:** The program sets the customer's email address to the contact person's email if it is filled.

- File:** rukpl6 (Contact person information)
 - Field:** rumail (Contact person's email)
 - Condition:** The email address will be updated only if rumail is not blank.
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Financial and Transactional Rules

1. Customer Project Information

- Logic:** The program retrieves project-related information for each customer and formats it for export.
- File:** fkprl1 (Customer project information)
- Fields:**
 - flkund (Customer number)
 - flkpro (Project number)
- Condition:** The project information is included only if the project date is valid.

2. Bonus Calculation

- Logic:** The program calculates any bonuses associated with the customer based on their transactions.
 - File:** ekbtir (Bonus transactions)
 - Condition:** The bonus is calculated only if there are valid transactions found.
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Special Conditions (Program-Specific)

1. Customer Exclusion Logic (NM700R)

- Logic:** Customers missing essential information (e.g., organization number or email) are excluded from the export process, and a message is logged.
- File:** rkunl1 (Customer master file)
- Field:** rkemal (Email address)
- Condition:** If rkemal is blank and the access code is valid, the customer is flagged for exclusion.

2. Project Division Logic (NM700R)

- Logic:** The program checks if the project number exceeds a certain threshold to classify it as a diverse project.
 - File:** fkprl1 (Customer project information)
 - Fields:** flkpro (Project number)
 - Condition:** If the project number is greater than 900000, it is classified as a diverse project.
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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 Handling)

- Trigger:** Called during the main processing loop to retrieve and set contact person information.
- Logic:** This subroutine populates contact person details, including email and phone numbers, for customers.
- Impact:** Ensures that the correct contact information is associated with each customer in the export.

2. kunbonus (Customer Bonus Calculation)

- Trigger:** Called to calculate bonuses for customers based on their transactions.
- Logic:** This subroutine aggregates bonus amounts and updates customer records accordingly.
- Impact:** This affects the overall customer data export by including bonus information where applicable.

3. *inzsr (Initialization Subroutine)

- Trigger:** Called at the beginning of the program to initialize key variables and data structures.
- Logic:** This subroutine sets up the necessary keys for reading customer data from various files.
- Impact:** Establishes the foundation for data retrieval throughout the program's execution.