NN700R.MBR

Path: NXCLOUD/rpgsrc/NN700R.MBR **Generated**: 2026-01-08 12:58:42 **Processing Time**: 11839ms

–

Business Logic for NN700R

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 NN700R. The primary focus is on how customer data is retrieved, processed, and formatted for output.

The core logic for exporting customer information is contained within the main program in NN700R. The program reads customer data from various files, constructs a structured message, and writes it to an output file.

–

Order Status and Header Rules

NN700R: rkunl1, fkprl1, apospf, anbll3, anbhpfr, netkund, netkrappr

1. Check for Online Store Data

•**Logic:** The program retrieves the online store and owner information. If no data is found, it sets the status to 'E' (error) and exits.

•**File:** anbll3 (Online store information)

•**Field:** anbll3_fgr, anbll3_fir

•**Condition:** The process will not continue if the online store data is not found.

2. Message Header Construction

•**Logic:** The program constructs the message header with a unique reference number and type.

•**File:** N/A

•**Field:** d_unhrefno, d_unhtypeid

•**Condition:** The message header is always constructed upon successful retrieval of online store data.

–

Configuration and Authorization Rules

1. Customer Data Retrieval

•**Logic:** The program retrieves customer data from the rkunl1 file and checks for mandatory fields. If required fields are missing, it logs a warning and continues processing.

•**Files:**

•rkunl1 (Customer information)

•fkprl1 (Customer projects)

•**Fields:**

•rkftnr (Customer organization number)

•rknavn (Customer name)

•**Condition:** The process will log a warning if the customer organization number is missing or if the customer lacks an email address.

2. Project Data Retrieval

•**Logic:** The program retrieves project data associated with the customer and formats it for output.

•**File:** fkprl1 (Customer projects)

•**Field:** flkpro (Project number)

•**Condition:** The project data is only retrieved if the project date is valid.

Financial and Transactional Rules

1. Customer Address Formatting

•**Logic:** The program formats the customer's address for output, including street, city, and country.

•**File:** rkunl1 (Customer information)

•**Fields:**

•rkgate (Street address)

•rksted (Postal area)

•**Condition:** The address is formatted and included in the output unless the street address is blank.

2. Email Address Check

•**Logic:** The program checks if the customer has an email address. If missing, it logs a warning.

•**File:** rkunl1 (Customer information)

•**Condition:** The process will log a warning if the email address (rkemal) is blank for business customers.

Special Conditions (Program-Specific)

1. End of Message Construction

•**Logic:** The program constructs the message footer, including the total number of segments.

•**File:** N/A

•**Field:** d_untnosegmen

•**Condition:** This step is executed after all customer and project data has been processed.

2. Initialization Subroutine

•**Logic:** The program initializes keys for reading customer and project data from the respective files.

•**File:** N/A

•**Fields:** w_firm, fkprl1_kund

•**Condition:** This subroutine is called at the beginning of the program to set up necessary keys for data retrieval.

Subprogram Calls Affecting Logic

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

1. NN700R (Customer Data Export Program)

•**Trigger:** The program is executed as part of the online store data export process.

•**Logic:** It retrieves customer and project data, constructs messages, and writes them to an output file.

•**Impact:** This call acts as a **major logical gateway** for exporting customer information.

2. apospf (Postal Area Lookup)

•**Trigger:** When processing customer addresses, the program looks up postal area information.

•**Logic:** It retrieves postal area details based on the project number.

•**Impact:** This ensures that the correct postal information is included in the customer data output.

3. fkprl1 (Customer Project Data)

•**Trigger:** The program retrieves project data for each customer during the export process.

•**Logic:** It checks for valid project dates and retrieves associated project details.

•**Impact:** This represents the handoff to the next major business function of processing customer projects.