IT001R.MBR

Path: NXCLOUD/rpgsrc/IT001R.MBR **Generated**: 2026-01-09 10:13:44 **Processing Time**: 8484ms

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Business Logic for IT001R

This document outlines the business rules that govern the process of adding replication transactions to the NAV queue, based on an analysis of the RPG program IT001R. The primary focus is on how parameters are received and processed to write transaction data to a specified file.

The core logic for processing replication transactions is contained within the main program logic of IT001R. The program reads input parameters and writes them to a designated file.

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Parameter Handling Rules

IT001R: ITNASTR

1. Parameter Assignment

•**Logic:** The program assigns input parameters to internal variables for further processing.

•**File:** ITNASTR (File for storing replication transactions)

•**Field:** ITFIRM, ITPROG, ITCOMD, ITPARM, ITOUSR

•**Condition:** The program will only proceed to write to the file if the parameters are successfully assigned from the entry point.

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Date and Time Initialization Rules

1. Date and Time Initialization

•**Logic:** The program initializes the current date and time to be used in the transaction record.

•**File:** ITNASTR (File for storing replication transactions)

•**Fields:**

•ITODAT (Current date)

•ITOTIM (Current time)

•**Condition:** The program captures the date and time at the start of execution to ensure accurate timestamps in the transaction record.

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Program Termination Rules

1. Program Termination

•**Logic:** The program sets the last record indicator to indicate the end of processing and prepares for termination.

•**File:** ITNASTR (File for storing replication transactions)

•**Field:** *INLR (Last record indicator)

•**Condition:** The program will set *INLR to *ON to ensure that all resources are released and the program ends correctly.

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Subroutine Initialization Rules

1. Subroutine Initialization

•**Logic:** The program initializes the subroutine to handle input parameters from the previous program.

•**File:** ITNASTR (File for storing replication transactions)

•**Fields:** P_FIRM, P_PROG, P_COMD, P_PARM, P_RPGP

•**Condition:** The subroutine is called at the beginning of the program to ensure that all necessary parameters are available for processing.

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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. IT001R (Main program for adding replication transactions)

•**Trigger:** The program is called with parameters from a previous program.

•**Logic:** It processes the input parameters and writes the transaction data to the ITNASTR file.

•**Impact:** This call acts as a **major logical gateway** for adding replication transactions to the NAV queue.

2. *INLR (Last record indicator handling)

•**Trigger:** This is set at the end of the program execution.

•**Logic:** It ensures that the program cleans up resources and indicates that processing is complete.

•**Impact:** This is a **critical step** to prevent resource leaks and ensure proper program termination.

3. *ENTRY (Entry point for parameter passing)

•**Trigger:** The program receives parameters from the calling program.

•**Logic:** It captures the parameters necessary for transaction processing.

•**Impact:** This represents the **initial setup** for the program's execution context and is essential for correct processing.