IT001R.MBR

Path: NXCLOUD/rpgsrc/IT001R.MBR **Generated**: 2026-01-08 12:58:19 **Processing Time**: 8512ms

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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 the program processes input parameters and writes to a designated file.

The core logic for handling replication transactions is contained within the main program logic in IT001R. The program reads input parameters, initializes variables, and writes the transaction data to a file.

Parameter Handling and Initialization Rules

IT001R: itnast

1. Parameter Assignment

- **Logic:** The program assigns input parameters to corresponding variables for further processing.
- **File:** itnast (File for replication transactions)
- **Field:** itfirm, itprog, itcomd, itparm, itousr
- **Condition:** The program will assign values to these fields based on the parameters passed to it.

2. Date and Time Initialization

- **Logic:** The program captures the current date and time to log when the transaction is processed.
- **File:** itnast (File for replication transactions)
- **Field:** itodat, itotim
- **Condition:** The date and time are set to the current system date and time upon program execution.

File Writing Rules

1. Write Transaction Record

- **Logic:** After initializing parameters and capturing the date and time, the program writes a record to the itnast file.
- **File:** itnast (File for replication transactions)
- **Field:** All fields (itfirm, itprog, itcomd, itparm, itodat, itotim, itousr)
- **Condition:** The record is written to the file without any additional conditions as part of the normal processing flow.

Program Flow and Termination Rules

1. Program Termination

- **Logic:** The program sets the last record indicator to terminate the program gracefully.
- **File:** N/A
- **Field:** N/A
- **Condition:** The program will terminate successfully after writing the record, indicated by setting *inlr to *on.

Subprogram Calls Affecting Logic

Beyond direct file operations, the program includes a subroutine for initialization.

1. Initialization Subroutine

- **Trigger:** This subroutine is called at the beginning of the program to initialize the environment.
- **Logic:** It captures the input parameters from the previous program and initializes the date and time.
- **Impact:** This subroutine ensures that the program has the necessary context and data to operate correctly.

2. Entry Point Handling

- **Trigger:** The program uses an entry point to receive parameters.
- **Logic:** It defines the parameters that the program expects to receive from the calling program.
- **Impact:** This establishes the interface for the program, ensuring that it can receive and process the required data.

This documentation provides a clear overview of the business logic implemented in the IT001R program, detailing how it processes input parameters, writes transaction records, and handles program termination.