

# IT001R.MBR

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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 processed and written to a specific 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, facilitating the replication process.

## Parameter Handling and File Writing Rules

IT001R: itnast

### 1. Parameter Initialization

- Logic:** The program initializes various parameters that are passed from the calling program, setting them to local variables for further processing.
- File:** itnast (File for replication transactions)
- Field:** itfirm, itprog, itcomd, itparm, itousr
- Condition:** The parameters must be provided by the calling program to ensure that the transaction can be logged correctly.

### 2. File Write Operation

- Logic:** After initializing the parameters, the program writes the contents of the itnastr record to the itnast file.
- File:** itnast (File for replication transactions)
- Field:** itnastr
- Condition:** The write operation occurs unconditionally after the parameters are set.

## Program Initialization and Execution Flow

### 1. Program Entry Point

- Logic:** The program begins execution by receiving parameters through the entry point and initializing local variables for date and time.
- Files:**
  - itnast (File for replication transactions)
- Fields:**
  - p\_firm (firm identifier)
  - p\_prog (program identifier)
  - p\_comd (command identifier)
  - p\_parm (additional parameters)
  - p\_rpgp (user identifier)
- Condition:** The program must be called with the appropriate parameters to function correctly.

### 2. End of Program Logic

- Logic:** The program sets the last record indicator to 'on' and returns control to the calling program, indicating completion.
  - File:** itnast (File for replication transactions)
  - Condition:** The program concludes its execution after writing to the file.
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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. \*inzsr (Initialization Subroutine)

- Trigger:** This subroutine is called at the beginning of the program to initialize local variables.
- Logic:** Initializes date and time variables to the current system time.
- Impact:** Ensures that the program has the correct timestamp for the transaction being logged.

### 2. \*entry (Entry Point Subroutine)

- Trigger:** This subroutine is called when the program is executed.
  - Logic:** Receives parameters from the calling program and prepares them for processing.
  - Impact:** This call is essential for setting up the context in which the program operates, ensuring that all necessary data is available for the transaction logging process.
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This documentation provides a clear understanding of the business logic and rules governing the IT001R program, focusing on how it processes input parameters and interacts with the itnast file for logging replication transactions.