

JP100R.MBR

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Business Logic for JP100R

This document outlines the business rules that govern the maintenance of conditions and parameters for suppliers, based on an analysis of the RPG program JP100R. The primary focus is on the processing of supplier records and the management of subfiles.

The core logic for managing supplier conditions is contained within the subfile subroutine in JP100R. The program interacts with various files to retrieve and display supplier information, allowing users to search, position, and modify supplier conditions.

Order Status and Header Rules

JP100R: jlevpfr, jbetpfr, jfbepfr

1. Supplier Selection

- Logic:** The program allows users to select suppliers from a list and manage their conditions.
- File:** jlevpfr (Supplier file)
- Field:** jlevl1, jlevl2
- Condition:** The process will not select a record if the supplier number (jlevl1_Idor) is not provided.

2. Condition Management

- Logic:** The program updates supplier conditions based on user interactions with the subfile.
- File:** jbetpfr (Condition file)
- Field:** jbetl1_Idor
- Condition:** Conditions are updated when the user selects a supplier and modifies their parameters.

Configuration and Authorization Rules

1. Search Functionality

- Logic:** Users can perform searches on suppliers based on various criteria.
- Files:**
 - jlevpfr (Supplier file)
 - jbetpfr (Condition file)
- Fields:**
 - jlevl1_Idor (Supplier number from jlevpfr)
 - jbetl1_Idor (Condition supplier number from jbetpfr)
- Condition:** The search will only execute if the search string (b2stek) is not blank.

2. Positioning Logic

- Logic:** The program positions the cursor based on user input for either supplier name or supplier number.
- File:** jlevpfr (Supplier file)
- Field:** b2navn, b2ldor

- Condition:** Positioning occurs if either the supplier name or number is provided.
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Financial and Transactional Rules

1. Update Conditions

- Logic:** The program updates conditions for suppliers based on user selections.
- File:** jbetpfr (Condition file)
- Fields:**
 - jbetl1_idor (Supplier number)
 - b1valg (User selection)
- Condition:** Conditions are updated when the user selects option 7 or 9 from the subfile.

2. Subfile Management

- Logic:** The program manages the display and navigation of subfiles for supplier conditions.
 - File:** b1sfl (Subfile)
 - Condition:** The subfile is refreshed when the user performs a search or modifies supplier conditions.
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Special Conditions (Program-Specific)

1. Subfile Refresh (JP100R)

- Logic:** The program clears and repopulates the subfile based on user actions.
- File:** b1sfl (Subfile)
- Field:** w_srrn
- Condition:** The subfile is cleared and filled when the user initiates a search or selects a supplier.

2. Error Handling (JP100R)

- Logic:** The program handles errors during database operations and provides feedback to the user.
 - File:** b2ctl (Control record for display)
 - Fields:** *in15 (End of file indicator), *in16 (Record not found)
 - Condition:** Error messages are displayed when the end of the file is reached or when no records match the search criteria.
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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. AS701R (Search Utility)

- Trigger:** Called during the search process to extract search terms.
- Logic:** This program processes the search string and prepares it for database queries.
- Impact:** This call acts as a **major logical gateway** for searching suppliers.

2. JP102R (Condition Update)

- Trigger:** Called when updating supplier conditions based on user selection.
- Logic:** This program updates specific conditions for the selected supplier.
- Impact:** This is a **critical update step** that modifies supplier parameters.

3. JP120R (Freight Condition Update)

- Trigger:** Called when freight conditions are being updated for suppliers.
- Logic:** This program updates freight-related conditions for the selected supplier.
- Impact:** Represents the handoff to the next major business function related to supplier logistics.