

BO312R.MBR

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Business Logic for Kasseoppgjør (Cash Settlement)

This document outlines the business rules that govern the cash settlement process, based on an analysis of the RPG program BO312R. The primary focus is on the handling of subfiles, user interactions, and data management for cash register settings.

The core logic for cash settlement is contained within the *inzsr subroutine in BO312R. The program processes user inputs, manages subfile records, and updates cash register settings based on user actions.

Order Status and Header Rules

Kasseoppgjør: bot2i1, bot2ir, bot2iu

1. Record Initialization

- Logic:** Initializes keys for reading and updating cash register records.
- File:** bot2i1 (Cash Register Records)
- Field:** bot2i1_kass
- Condition:** The program sets the key fields for accessing cash register records based on the firm and cash register identifiers.

2. Subfile Display Logic

- Logic:** Displays the subfile based on the current record number and handles user navigation.
- File:** b1sfl (Subfile for Cash Register)
- Field:** w_srrn
- Condition:** The subfile is populated only if there are records to display, indicated by w_srrn not being zero.

Configuration and Authorization Rules

1. User Authorization Check

- Logic:** Validates if the user has the necessary permissions to perform actions on cash register settings.
- Files:**
 - bot2ir (Cash Register Settings)
 - bot2iu (Cash Register Update)
- Fields:**
 - l_user (Current User)
 - l_firm (Firm Identifier)
- Condition:** The program checks the current user's permissions against the settings before allowing updates.

2. Error Handling Logic

- Logic:** Displays error messages for invalid user inputs or actions.

- File:** c1msg (Error Message Display)
 - Field:** b_anul
 - Condition:** If an invalid action is detected, the program sets b_anul to indicate an error state.
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Financial and Transactional Rules

1. Record Update Logic

- Logic:** Updates the cash register settings based on user inputs and validations.
- File:** bot2iu (Cash Register Update)
- Fields:**
 - b2bsty (Cash Register Type)
 - b2gsty (Cash Register Group)
- Condition:** The update is executed only if the cash register identifier is found in the database.

2. Record Deletion Logic

- Logic:** Deletes a cash register record based on user confirmation.
 - File:** bot2iu (Cash Register Update)
 - Condition:** The deletion occurs only if the user confirms the action and the record exists.
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Special Conditions (Program-Specific)

1. Subfile Refresh Logic (BO312R)

- Logic:** Refreshes the subfile to reflect the latest data after updates or deletions.
- File:** b1sfl (Subfile for Cash Register)
- Field:** w_srrn
- Condition:** The subfile is refreshed if the user performs an update or deletion action.

2. Record Copy Logic (BO312R)

- Logic:** Allows the user to copy an existing cash register record to create a new entry.
 - File:** bot2ir (Cash Register Settings)
 - Fields:** k1kass (Key for Copying), c1kass (New Cash Register Key)
 - Condition:** The copy action is only performed if the source record exists and is validated.
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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. xc1bld (New Record Maintenance)

- Trigger:** Called when the user attempts to create or edit a cash register record.
- Logic:** Validates input fields and either creates a new record or updates an existing one.
- Impact:** This call acts as a **critical validation step** for record management.

2. xd1win (Delete Confirmation Window)

- Trigger:** Invoked when the user selects to delete a cash register record.
- Logic:** Displays a confirmation window to ensure the user intends to delete the record.
- Impact:** This is a **preventive measure** to avoid accidental deletions.

3. xk1win (Copy Record Window)

- Trigger:** Activated when the user opts to copy an existing cash register record.

- Logic:** Displays a window for the user to confirm the copy action and input new details.
- Impact:** Represents the **user interaction for record duplication**, ensuring data integrity.