

BO312R.MBR

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Business Logic for Kasseoppgjør (Cash Settlement)

This document outlines the business rules that govern the Kasseoppgjør process, based on an analysis of the RPG program BO312R. The primary focus is on the handling of cash settlement settings and maintenance through subfile processing.

The core logic for cash settlement management is contained within the *inzsr subroutine in BO312R. The program processes records related to cash registers, allowing for the creation, updating, and deletion of cash settlement entries.

Order Status and Header Rules

Kasseoppgjør: bot2i1, bot2ir, bot2iu

1. Record Creation

- Logic:** A new cash register entry is created if the user inputs valid data and confirms the action.
- Files:** bot2i1 (Cash Register File)
- Field:** bot2kass
- Condition:** The process will not create a record if bot2kass is blank.

2. Record Update

- Logic:** An existing cash register entry is updated based on user input.
- Files:** bot2ir (Cash Register Maintenance File)
- Field:** bot2ir_kass
- Condition:** The process will not update a record if bot2ir_kass does not match an existing entry.

Configuration and Authorization Rules

1. User Authorization Check

- Logic:** The program checks if the user has the necessary permissions to perform actions on cash register entries.
- Files:**
 - bot2ir (Cash Register Maintenance File)
 - bot2iu (Cash Register Update File)
- Fields:**
 - l_user (User Identifier from Local Data Area)
 - w_firm (Firm Identifier)
- Condition:** The process will not allow updates if the user does not have the correct authorization based on l_user.

2. Firm Validation

- Logic:** Ensures that actions are only performed on records belonging to the correct firm.
- File:** bot2i1 (Cash Register File)
- Field:** b2firm

- Condition:** The process will not select a record if b2firm does not match w_firm.

Financial and Transactional Rules

1. Record Deletion

- Logic:** A cash register entry can be deleted if confirmed by the user.
- File:** bot2iu (Cash Register Update File)
- Fields:**
 - bot2iu_kass (Cash Register Key)
 - d1kass (Key for Deletion)
- Condition:** The process will not delete a record if d1kass does not match an existing entry.

2. Record Display

- Logic:** Displays details of a cash register entry for viewing or editing.
- File:** bot2ir (Cash Register Maintenance File)
- Condition:** The process will not display a record if bot2ir_kass is blank.

Special Conditions (Program-Specific)

1. Subfile Management (BO312R)

- Logic:** The program manages a subfile for displaying cash register entries, allowing for navigation and selection.
- File:** b1sfl (Subfile for Cash Registers)
- Field:** b1kass
- Condition:** The subfile will not display entries if there are no records to show. Note: The subfile is cleared and repopulated based on user actions.

2. Error Handling (BO312R)

- Logic:** The program provides feedback to the user if an error occurs during data entry or processing.
- File:** c1msg (Message Display File)
- Fields:** c1kass (Cash Register Key)
- Condition:** An error message is displayed if c1kass is blank or if a duplicate entry is detected.

Subprogram Calls Affecting Logic

Beyond direct file checks, several external subprograms are called that play a significant role in the workflow.

1. dsp_subfile (Display Subfile)

- Trigger:** Called to display the current state of the subfile after processing records.
- Logic:** This subroutine handles the display of records in the subfile and manages user interactions.
- Impact:** This call acts as a **major logical gateway** for user navigation through cash register entries.

2. clr_subfile (Clear Subfile)

- Trigger:** Called to clear the subfile before repopulating it with new data.
- Logic:** This subroutine resets the subfile's state and prepares it for new entries.

- Impact:** This is a **destructive filtering step** that ensures only relevant records are displayed.

3. xc2bld (Edit/Create Record)

- Trigger:** Called when the user wants to create or edit a cash register entry.

- Logic:** This subroutine manages the logic for creating or updating records based on user input.

- Impact:** Represents the handoff to the next major business function of record maintenance.