JM100R.MBR

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Business Logic for JM100R - Campaign Header Maintenance

This document outlines the business rules that govern the campaign header maintenance process, based on an analysis of the RPG program JM100R. The primary focus is on how campaign data is managed, displayed, and manipulated within the system.

The core logic for handling campaign headers is contained within the various subroutines in JM100R. The program utilizes subfiles for displaying records and allows for operations such as create, update, delete, and filter on campaign data.

Campaign Header and Subfile Rules

JM100R: jkahl1, jkahl2, jkahl3, jkahl4, jkahlr, jkavlr, jkavlu

1. Record Creation

•**Logic:** A new campaign record is created when the user inputs the necessary details and submits the form.

•**File:** jkahl1 (Campaign header file)

•**Field:** jkahl1_kamp

•**Condition:** The process will create a record if the campaign key is not blank.

2. Record Update

•**Logic:** Existing campaign records can be updated based on user input.

•**File:** jkahl1 (Campaign header file)

•**Field:** jkahl1_kamp

•**Condition:** The update occurs if the record is found in the database.

3. Record Deletion

•**Logic:** Campaign records can be deleted if the user confirms the action.

•**File:** jkahl1 (Campaign header file)

•**Field:** jkahl1_kamp

•**Condition:** The deletion is executed if the user selects the delete option.

4. Subfile Display

•**Logic:** The program displays campaign records in a subfile format for user interaction.

•**File:** b1sfl (Subfile for campaign records)

•**Field:** Various fields from jkahl1, jkahl2, jkahl3, and jkahl4

•**Condition:** The subfile is populated based on the current campaign data available in the database.

Configuration and Validation Rules

1. Price Group Validation

•**Logic:** The program checks if the price group entered is valid against the database.

•**Files:**

•ra30lr (Price group file)

•**Fields:**

•ra30lr_dkod (Price group code)

•**Condition:** The validation occurs when the user inputs a price group and the system checks for its existence in the ra30lr file.

2. Date Validation

•**Logic:** The program validates that the start date is not greater than the end date.

•**File:** N/A

•**Field:** c2fdat, c2tdat (From and To dates)

•**Condition:** The validation triggers an error if c2fdat is greater than c2tdat.

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Financial and Transactional Rules

1. Campaign Price Maintenance

•**Logic:** The program allows for maintenance of campaign prices related to the selected campaign.

•**File:** jkavlr (Campaign price file)

•**Fields:**

•jkavlr_vkam (Campaign item)

•jkavlr_vprg (Campaign price group)

•**Condition:** This occurs when the user selects the option to maintain prices for a campaign.

2. Subfile Update After Operations

•**Logic:** The subfile is updated to reflect changes made to campaign records.

•**File:** b1sfl (Subfile for campaign records)

•**Condition:** The subfile is refreshed after any create, update, or delete operation is performed.

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Special Conditions (Program-Specific)

1. Error Handling and User Feedback

•**Logic:** The program provides feedback to the user on errors encountered during operations.

•**File:** c1msg (Message display)

•**Field:** Various fields for error messages

•**Condition:** Error messages are displayed if validation fails or if an operation cannot be completed.

2. Initial Program Setup

•**Logic:** The program initializes necessary parameters and sets up the environment for user interaction.

•**File:** N/A

•**Condition:** This setup occurs when the program is first called.

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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. RA530R (Campaign Price Maintenance Program)

•**Trigger:** Called when maintaining prices for a campaign.

•**Logic:** This program processes the price maintenance for the selected campaign.

•**Impact:** It affects the overall campaign price structure and ensures that prices are correctly associated with campaigns.

2. VL711R (Price Group Retrieval Program)

•**Trigger:** Called during the initialization phase to retrieve valid price groups.

•**Logic:** This program fetches the available price groups for the current firm.

•**Impact:** This ensures that users have access to valid price groups when creating or updating campaigns.

3. JM110R (Campaign Price Maintenance Program)

•**Trigger:** Called when the user selects to maintain prices for a campaign.

•**Logic:** This program handles the details of updating or creating campaign prices.

•**Impact:** Represents the handoff to the next major business function related to campaign pricing.

This documentation provides a comprehensive overview of the business logic implemented in the JM100R program, detailing how campaigns are managed within the system.