

# JM100R.MBR

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## Business Logic for Campaign Header Maintenance

This document outlines the business rules that govern the maintenance of campaign headers, based on an analysis of the RPG program JM100R. The primary focus is on the handling of campaign data through subfile processing, including the creation, updating, and deletion of campaign records.

The core logic for campaign header maintenance is contained within the various subroutines in JM100R. The program utilizes subfiles to manage multiple campaign records, allowing users to view, add, edit, and delete campaigns efficiently.

## Campaign Management Rules: fjkahl1, fjkahl2, fjkahl3, fjkahl4

### 1. Record Creation

- Logic:** New campaign records can be created through the user interface, where input fields are validated before submission.
- File:** fjkahl1 (Campaign Header File)
- Field:** jkahl1\_kamp
- Condition:** The process will not create a record if jkahl1\_kamp is blank or if a record with the same key already exists.

### 2. Record Update

- Logic:** Existing campaign records can be updated. The program checks if the record exists before updating.
- File:** fjkahl1 (Campaign Header File)
- Field:** jkahl1\_kamp
- Condition:** The update will not proceed if the record does not exist or if the input fields are invalid.

### 3. Record Deletion

- Logic:** Campaign records can be deleted, along with associated campaign prices.
- File:** fjkahl1 (Campaign Header File)
- Field:** jkahl1\_kamp
- Condition:** The deletion will only occur if the user confirms the action and the record exists.

## Subfile Processing Rules

### 1. Subfile Initialization

- Logic:** The subfile is initialized and populated with campaign records from the database.
- Files:**
  - fjkahl1 (Campaign Header File)
  - fjkahl2 (Campaign Date File)
- Fields:**

- jkahl1\_kamp (Campaign Key)
- jkahl2\_fdat (From Date)
- Condition:** The subfile will be populated only if records are found in the database.

## 2. Subfile Navigation

- Logic:** Users can navigate through the subfile using function keys to scroll through records.
- File:** fjkahl1 (Campaign Header File)
- Condition:** Navigation will be restricted if there are no records in the subfile.

# Validation and Error Handling Rules

## 1. Input Validation

- Logic:** Input fields are validated to ensure they meet the required format and constraints before processing.
- File:** fjkahl1 (Campaign Header File)
- Fields:**
  - jkahl1\_kamp (Campaign Key)
  - jkahl2\_fdat (From Date)
- Condition:** The program will display error messages if validation fails, preventing further processing.

## 2. Error Notifications

- Logic:** The program provides feedback to the user when errors occur, such as duplicate records or invalid input.
- File:** dspfbk (Display Feedback)
- Condition:** Error messages will be displayed based on the specific validation checks that fail.

# Special Conditions (Program-Specific)

## 1. Campaign Price Maintenance (JM110R)

- Logic:** When maintaining campaign prices, the program calls JM110R to handle the price-related logic.
- File:** fjkavlr (Campaign Price File)
- Field:** jkavlr\_vkam
- Condition:** The call to JM110R is made only if the user selects the option to maintain prices for a campaign.

# Subprogram Calls Affecting Logic

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

## 1. VL711R (Price Group Retrieval)

- Trigger:** Called during the initialization of the program to fetch the price group.
- Logic:** Retrieves the price group based on the firm and sets it for further processing.
- Impact:** This call ensures that the correct pricing information is associated with the campaign.

## 2. RA530R (Price Validation)

- Trigger:** Called during input validation for the price group.

- Logic:** Validates the price group against existing records.
- Impact:** Ensures that only valid price groups can be associated with campaigns, preventing errors in pricing.

### **3. JM110R (Campaign Price Maintenance)**

- Trigger:** Called when the user opts to maintain campaign prices.
- Logic:** Handles the logic for updating or creating campaign prices.
- Impact:** Represents the handoff to the next major business function, ensuring that pricing is correctly aligned with campaign data.

This documentation provides a comprehensive overview of the business logic encapsulated within the JM100R program, detailing how campaign headers are managed within the system.