JM100R.MBR

Path: NXCLOUD/rpgsrc/JM100R.MBR **Generated**: 2026-01-08 15:43:00 **Processing Time**: 20608ms

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Business Logic for 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 the rules and logic that manage campaign data, including creation, updates, and deletions of campaign records.

The core logic for campaign header maintenance is contained within the various subroutines in JM100R. The program utilizes subfiles to display and manage campaign records, allowing users to create, update, and delete campaigns as well as manage associated pricing information.

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

1. Campaign Creation

•**Logic:** A new campaign can be created if the user provides valid campaign data. The program checks for existing records to avoid duplicates.

•**File:** fjkahl1 (Campaign Header)

•**Field:** jkahl1_kamp

•**Condition:** The process will not create a record if jkahl1_kamp already exists in the database.

2. Campaign Update

•**Logic:** Existing campaign records can be updated based on user input. The program retrieves the current values and allows modifications.

•**File:** fjkahl1 (Campaign Header)

•**Field:** jkahl1_kamp

•**Condition:** The update will only proceed if the campaign identifier is found in the database.

3. Campaign Deletion

•**Logic:** Campaign records can be deleted, along with associated pricing records. The program ensures that all related data is removed.

•**File:** fjkahl1 (Campaign Header)

•**Field:** jkahl1_kamp

•**Condition:** The deletion occurs only if the campaign record is confirmed by the user.

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Pricing Group Management Rules: fjkavlr, fjkavlu

1. Pricing Group Assignment

•**Logic:** Campaigns can be assigned to specific pricing groups. The program validates the pricing group before assignment.

•**Files:**

•fjkavlr (Pricing Group Records)

•fjkavlu (Pricing Group Update)

•**Fields:**

•jkavlr_vkam (Pricing Campaign)

•jkavlu_vkam (Pricing Campaign)

•**Condition:** The assignment will not occur if the pricing group does not exist in the fjkavlr file.

2. Pricing Group Deletion

•**Logic:** When a campaign is deleted, all associated pricing groups must also be removed from the database.

•**File:** fjkavlu (Pricing Group Update)

•**Field:** jkavlu_vkam

•**Condition:** The deletion will only proceed if the pricing group is linked to the campaign being deleted.

User Interaction and Validation Rules

1. User Input Validation

•**Logic:** The program validates user input for all fields related to campaigns and pricing groups to ensure data integrity.

•**File:** fjkahl1 (Campaign Header)

•**Fields:**

•jkahl1_kamp (Campaign ID)

•jkahl4_prgr (Pricing Group)

•**Condition:** The program will prompt the user to correct any invalid input before proceeding with the operation.

2. Display Feedback

•**Logic:** The program provides feedback to users based on their actions, such as successful updates or errors.

•**File:** dspfbk (Display Feedback Structure)

•**Field:** d_fcrn

•**Condition:** Feedback is displayed when a user attempts to create, update, or delete a campaign.

Special Conditions (Program-Specific)

1. Subfile Management (JM100R)

•**Logic:** The program manages a subfile to display multiple campaign records, allowing users to navigate through them.

•**File:** fjkahl1 (Campaign Header)

•**Field:** jkahl1_kamp

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

2. Error Handling and Messaging (JM100R)

•**Logic:** The program includes error handling to manage exceptions and provide user-friendly messages.

•**File:** c1msg (Message Display)

- **Field:** c1kamp
- **Condition:** Error messages are displayed if the user attempts to create a duplicate campaign or if required fields are left blank.

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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 (Pricing Group Validation)

- **Trigger:** Called during the validation of pricing group assignments.
- **Logic:** This program checks if the specified pricing group exists in the database.
- **Impact:** If the pricing group is invalid, the user is prompted to correct the input.

2. JM110R (Campaign Price Maintenance)

- **Trigger:** Called when a user selects to maintain prices for a specific campaign.
- **Logic:** This program manages the pricing details associated with the selected campaign.
- **Impact:** It ensures that all pricing information is correctly linked to the campaign.

3. VL711R (Pricing Group Retrieval)

- **Trigger:** Called during the initialization of the program to fetch available pricing groups.
- **Logic:** This program retrieves the pricing group data for display and selection.
- **Impact:** It populates the pricing group options available to the user during campaign management.

This documentation provides a comprehensive overview of the business logic implemented in the JM100R program, focusing on campaign management and associated pricing rules.