FA120R.MBR

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Business Logic for Job Register Status Maintenance

This document outlines the business rules that govern the Job Register Status Maintenance process, based on an analysis of the RPG program FA120R. The primary focus is on how job statuses are retrieved, displayed, and updated within the system.

The core logic for maintaining job register statuses is contained within the *inzsr subroutine in FA120R. The program processes job records, retrieves user information, and updates job statuses based on user interactions.

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Job Status and Record Rules

Job_Register_Status: fjobl1, fjoblu, fausrl1

1. Retrieve Job Information

•**Logic:** The program retrieves job details from the job register file (fjobl1). If the record is found, it populates various job fields; otherwise, it initializes them to zero.

•**File:** fjobl1 (Job Register File)

•**Field:** fajb01 to fajb10

•**Condition:** The process will not select a record if the key lookup (*in90) indicates that the record does not exist.

2. Update Job Information

•**Logic:** The program updates the job register file (fjoblu) with the current job details if the record exists; otherwise, it creates a new record.

•**File:** fjoblu (Job Register Update File)

•**Field:** fajb01 to fajb10

•**Condition:** The update occurs only if the record is found (*in90 is off).

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User and Authorization Rules

1. User Lookup

•**Logic:** The program checks the user register (ausrl1) to retrieve the user's name based on the user ID associated with the job.

•**Files:**

•ausrl1 (User Register File)

•**Fields:**

•ausrl1_user (User ID)

•**Condition:** The user information is retrieved only if the record exists (*in91 is off).

2. Display User Information

•**Logic:** The program displays the user information related to the job being processed, including the date and time of job initiation.

•**File:** ausrl1 (User Register File)

•**Field:** abnavn (User Name)
•**Condition:** The display occurs only if the user lookup is successful.

Special Conditions (Program-Specific)

1. Job Status Initialization (FA120R)

•**Logic:** The program initializes the job status fields and sets the firm number in the job register key.

•**File:** fjobl1, fjoblu (Job Register Files)

•**Field:** w_firm

•**Condition:** This initialization occurs at the start of the program to ensure the correct firm number is used for job processing.

2. Job Status Update Timing (FA120R)

•**Logic:** The program records the timestamps for job creation and updates when the job status is modified.

•**File:** fjoblu (Job Register Update File)

•**Fields:** fajeda, fajeti (Job End Date, Job End Time)

•**Condition:** Timestamps are recorded only if the record is being updated or created.

Subprogram Calls Affecting Logic

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

1. x_user (User Lookup Subroutine)

•**Trigger:** Called when user information is needed for a job.

•**Logic:** This subroutine retrieves the user's name from the user register based on the user ID associated with the job.

•**Impact:** This call ensures that the job processing reflects the correct user information, which is vital for tracking job ownership.

2. *inzsr (Initialization Subroutine)

•**Trigger:** Called at the start of the program to set up keys for file access.

•**Logic:** This subroutine initializes the keys for the job register and user register files.

•**Impact:** This initialization is crucial for ensuring that the program can correctly access and manipulate the job and user records.

3. exfmt (Display Format Subroutine)

•**Trigger:** Called to display the job status and user information on the screen.

•**Logic:** This subroutine formats and presents the data to the user interface.

•**Impact:** This call represents a key interaction point for users, allowing them to view and interact with job statuses effectively.