

FA120R.MBR

Path: NXCLOUD/rpgsrc/FA120R.MBR **Generated:** 2026-01-08 12:16:31 **Processing Time:** 13055ms

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 status records are retrieved, displayed, and updated within the system.

The core logic for maintaining job register status is contained within the *inzsr subroutine in FA120R. The program interacts with job register files to fetch and update job status information based on user input and specific conditions.

Job Register and Status Rules

Job Register Maintenance: fjobl1, fjoblu, fausr1

1. Retrieve Job Information

- Logic:** The program retrieves job information from the job register file (fjobl1) based on a key. If the record is found, it populates various job status fields; otherwise, it sets them to zero.
- File:** fjobl1 (Job Register File)
- Field:** fajb01, fajb02, ..., fajb10
- Condition:** The process will not select a record if the key lookup (*in90) indicates that the record does not exist.

2. Display Job Information

- Logic:** After retrieving job information, the program displays the job status on the screen using the a1bld format.
- File:** ffa120d (Display File)
- Field:** Various job status fields
- Condition:** The display is executed after the job information is successfully retrieved.

User and Authorization Rules

1. User Lookup

- Logic:** The program looks up user information from the user register (ausrl1) based on the user ID associated with the job. If found, it retrieves the user's name.
- Files:**
 - fausr1 (User Register File)
- Fields:**
 - ausrl1_user (User ID)
 - abnavn (User Name)
- Condition:** The user information is only retrieved if the user ID exists in the user register.

2. Job Update Authorization

- Logic:** The program checks if the job record exists before updating it. If it does not exist, it creates a new record.

- File:** fjoblu (Job Update File)
 - Field:** fajb01, fajb02, ..., fajb10
 - Condition:** The update is contingent upon the existence of the job record (*in90).
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Transactional Rules

1. Update Job Status

- Logic:** The program updates the job status fields in the job register file (fjoblu) with the values from the display fields. It also records timestamps for when the job was updated.
- File:** fjoblu (Job Update File)
- Fields:**
 - fajeda (End Date)
 - fajeti (End Time)
- Condition:** The update occurs if the job record exists; otherwise, a new record is created.

2. Record Creation

- Logic:** If the job record does not exist, a new record is created with the current firm number and user information.
 - File:** fjoblu (Job Update File)
 - Condition:** This occurs when the job record is not found during the update process.
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Special Conditions (Program-Specific)

1. Job Status Initialization (FA120R)

- Logic:** Initializes keys for accessing the job register and user register files. It sets the firm number in the key for job records.
- File:** fjobl1, fjoblu, fausrl1 (Job and User Registers)
- Field:** w_firm (Firm Number)
- Condition:** This initialization occurs at the start of the program to ensure proper key setup.

2. Error Handling for User Lookup (FA120R)

- Logic:** If the user lookup fails, the program does not display any user information.
 - File:** fausrl1 (User Register File)
 - Fields:** ausrl1_user, abnavn
 - Condition:** The user information is only processed if the lookup is successful.
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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. x_user (User Lookup Subroutine)

- Trigger:** Called during user information retrieval based on job status.
- Logic:** Looks up user information from the user register and sets the user name if found.
- Impact:** This call ensures that user details are correctly associated with job statuses.

2. *inzsr (Initialization Subroutine)

- Trigger:** Called at the beginning of the program to set up keys for file access.
- Logic:** Initializes keys for job and user registers and sets the firm number.

- Impact:** This is crucial for ensuring that the program can access the correct records.

3. exfmt (Display Subroutine)

- Trigger:** Called to display the job status on the screen.

- Logic:** Renders the job status fields in the specified format.

- Impact:** This represents the user interface interaction where job status is presented to the user.