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# Production Processing Job Anomaly

## Doug Sims

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# Production Processing Job Anomaly Description



## Overview

**This scenario describes the software capabilities that the Processing Subsystem will provide to enable the DAAC Production Monitor to respond to PGE errors. It also addresses the operational procedures and tools that DAAC personnel will use to respond to a PGE failure.**

## Assumptions

- The PGE has failed due to a problem within the PGE itself or because of a missing or faulty input file or because of a faulty Process Control File.**
- The PGE has not failed because of a DAAC resource or DAAC software problem. These scenarios involve MSS and Sustaining Engineering interventions outside of Production Processing.**
- An error log browsing tool will assist the Production Monitor to rapidly locate PGE-created error information written to the status, user and report log files.**

# Production Processing Job Anomaly Description



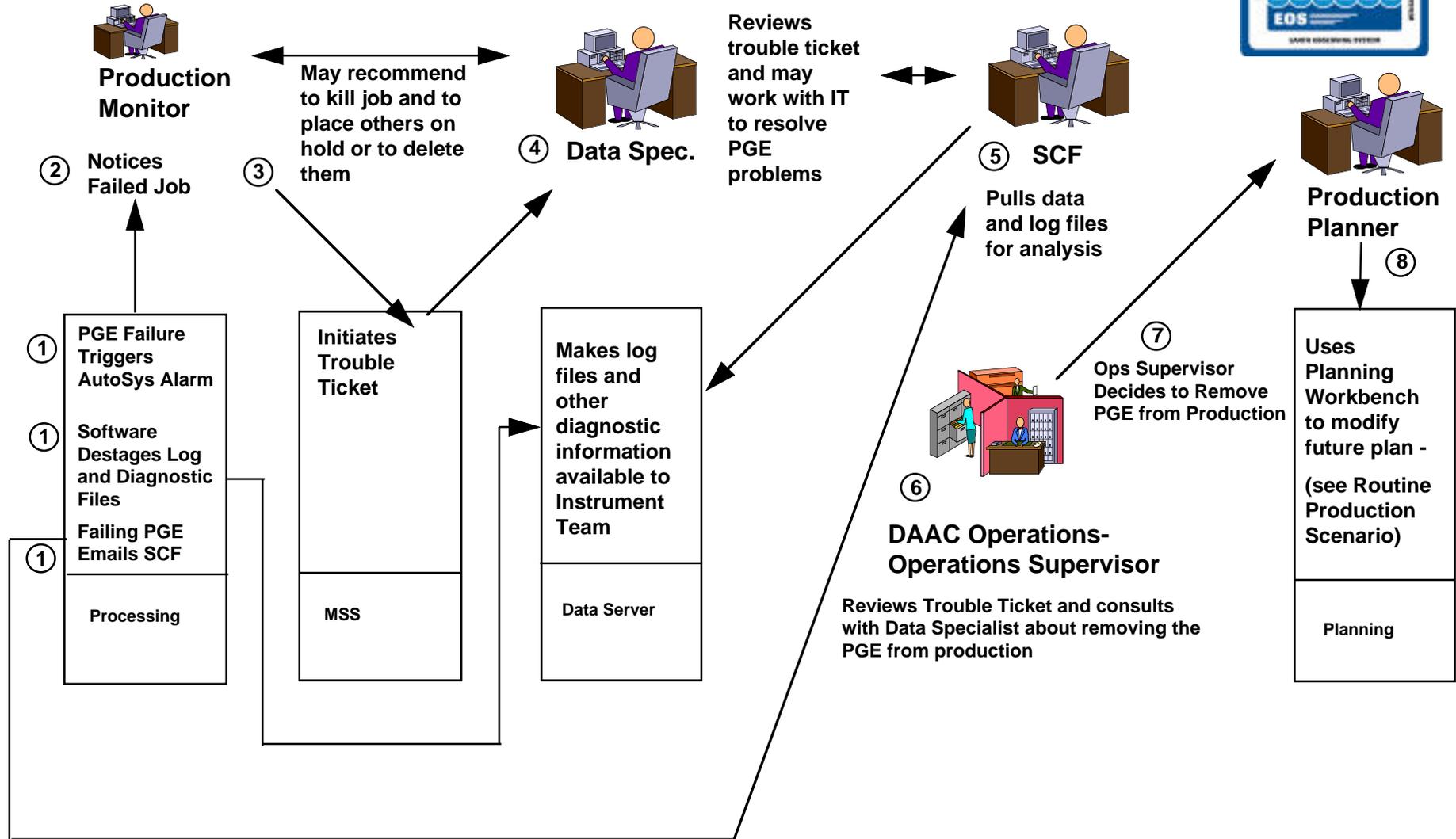
## Scenario

- DAAC Production Monitor (PM) sees/hears AutoSys alarm
- The PM uses the AutoSys alarm GUI to review alarm and associated comment
- Uses browser tool to get more information
- Consults with Data Specialist who may recommend that the PGE should be killed, using a “send event command” if the job is still running
- Fills out trouble ticket
- Marks alarm as “Acknowledged”
- Data Specialist may contact IT to follow up on PGE-generated Email and subscribed-to log files
- Ops Supervisor may authorize Production Planner and PM to remove or put jobs on hold or on ice (won't run until starting conditions are reset)

## 604/IDR Scenario Heritage

- Operations Concept for the ECS Project: Part 2A - ECS Release A 604-CD-003-002 (Anomalous Job Scenarios)
- ECS Release B SDPS/CSMS Incremental Design Review 705-CD-005-001 Day 1 ( Run Time S/W Error Processing)

# Production Processing Job Anomaly Functional Flow



# Production Processing Job Anomaly Points of View



**Production Monitor**



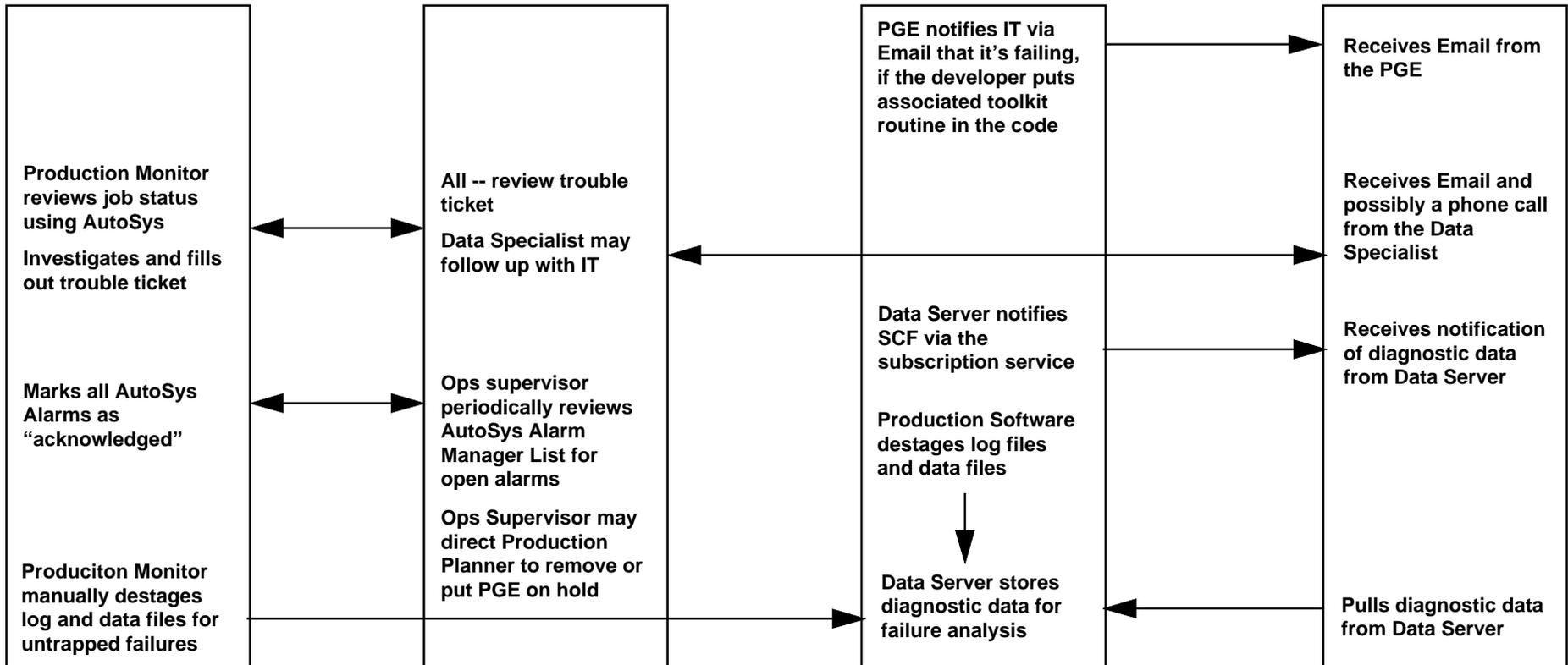
**Other DAAC Staff**



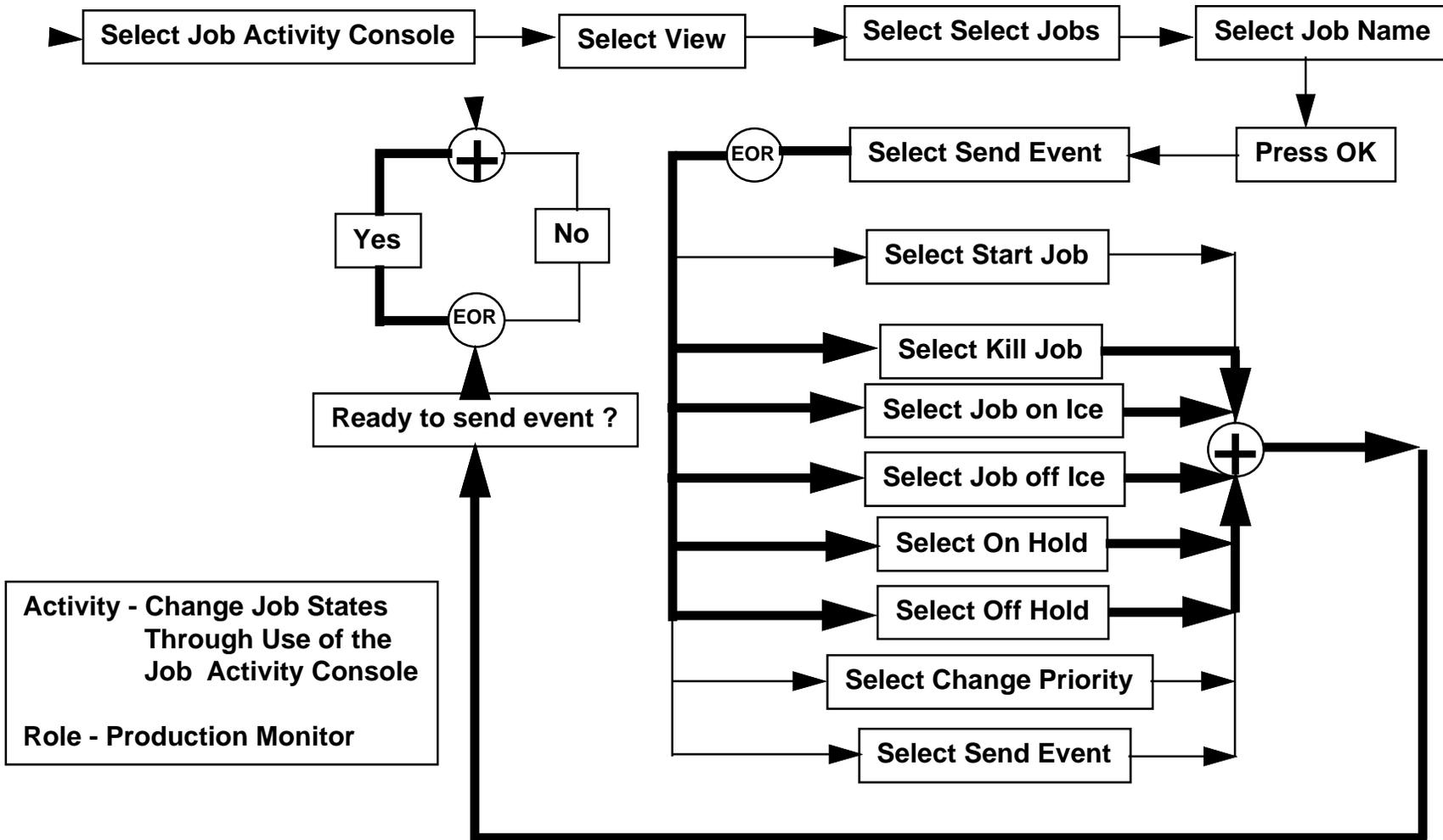
**ECS**



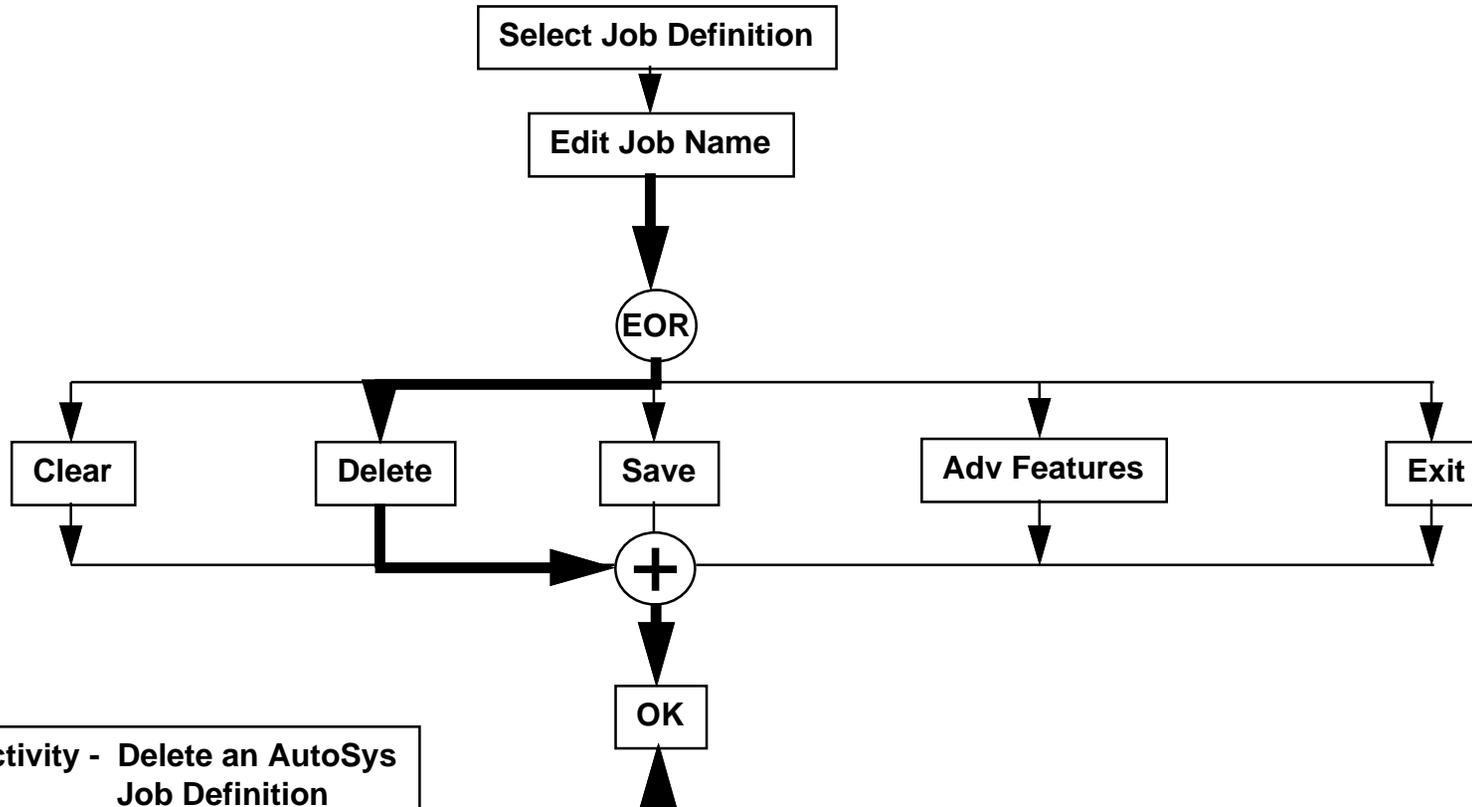
**SCF**



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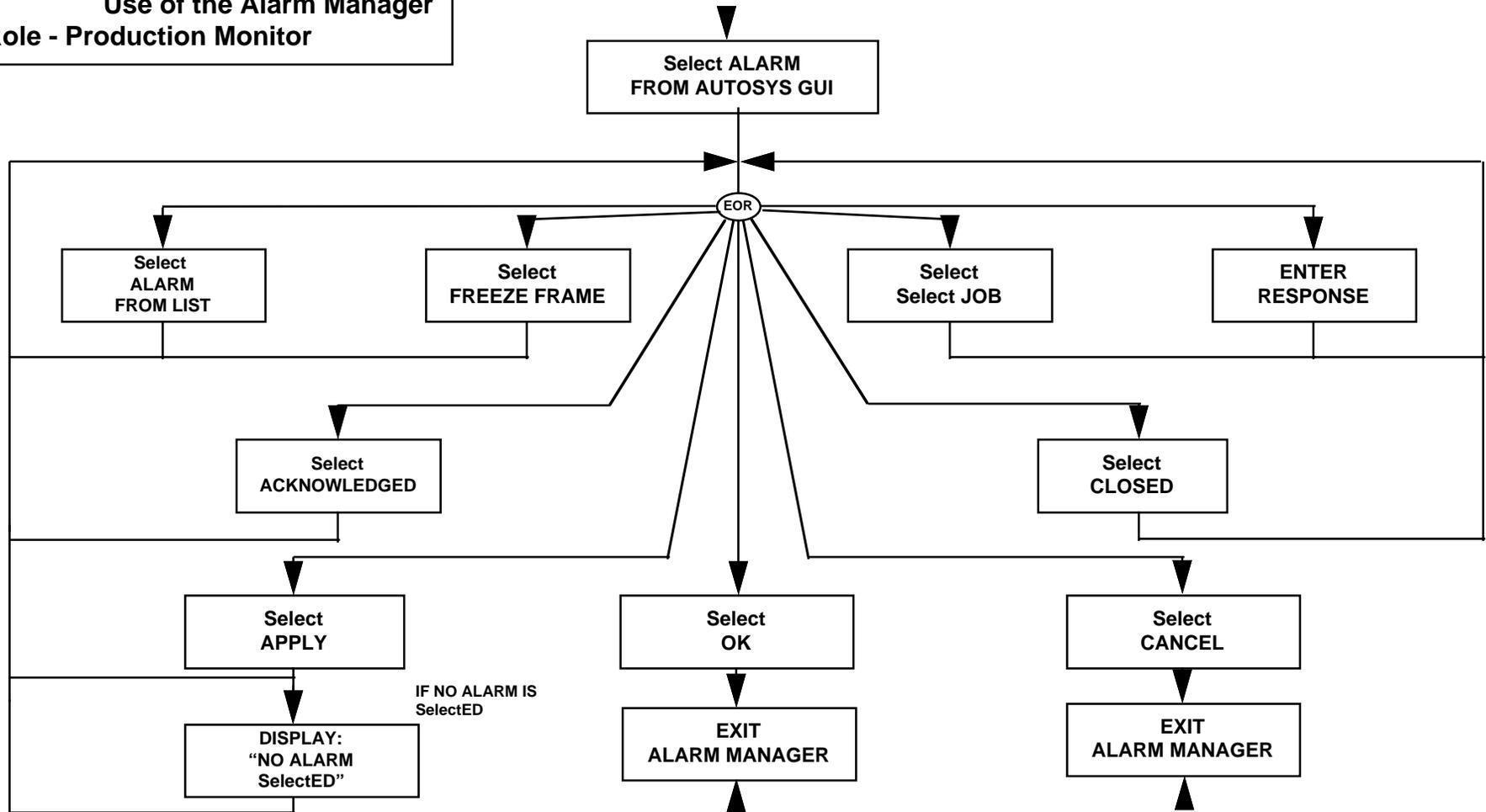


Activity - Delete an AutoSys Job Definition  
Role - Production Monitor

# Production Processing Job Anomaly



Activity - Review and Change Alarm Status Through Use of the Alarm Manager Role - Production Monitor



# Production Processing Job Anomaly Data Activity



Operator Function	Data Element	Operation Interactions
Change Job States	View	Input
	Select Jobs	Input
	Job Name	Edit
	Job Actions	Input
	Start Job, Kill Job, Force Start Job, On Hold, Off Hold, Send Event	Input
	"Ready to Send Event" confirmation (yes/no)	Input
	Review and Change Status of Alarms	Alarm list
	Freeze Frame	Input
	Select Job	Input job to display on job activity console (not required for alarm acknowledgment)
	Acknowledged	Input
	OK, Apply or Cancel	Input
	Delete an AutoSys Job Definition	Job Name
	Clear, Delete, Save, Adv. Features, Exit	Input
	OK	Input