

## APPENDIX O - REGION IV OPERATING TEST ADMIN JPM QUALITY REVIEW MATRIX

JPM#	1. Dyn (D/S)	2. LOD (1-5)	3. Attributes					4. Job Content Errors		5. U/E/S	6. Explanation (See below for instructions)
			IC Focus	Cues	Critical Steps	Scope (N/B)	Overlap	Job-Link	Minutia		
RO1M	S	2								S	PMS1; needs plant computer in simulator for calculation;
RO2B	S	2								S	RBAL3;
RO3	S	3		X						E(S)	REFUL1; eliminate "if they have not been met" from cue; <i>(Fixed)</i>
RO4B	S	2								S	RAD1; <b>NRC 2002</b> ;
SRO1	S	3								S	TS1
SRO2	S	2								S	CHEM1;
SRO3	S	2								S	TALT2;
SRO4M	S	2	X	X						E(S)	RC22(pg119); definition of DAC in cue is technically inaccurate - why is DAC being defined anyway? <i>(Fixed)</i>
SRO5	S	2								S	EAL9(pg124);

Instructions for Completing Matrix

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- Determine whether the task is dynamic (D) or static (S). A dynamic task is one that involves continuous monitoring and response to varying parameters. A static task is basically a system reconfiguration or realignment.
- Determine level of difficulty (LOD) using established 1-5 rating scale. Levels 1 and 5 represent inappropriate (low or high) discriminatory level for the license being tested.
- Check the appropriate box when an attribute weakness is identified:
  - The initiating cue is not sufficiently clear to ensure the operator understands the task and how to begin.
  - The JPM does not contain sufficient cues that are objective (not leading).
  - All critical steps (elements) have not been properly identified.
  - Scope of the task is either too narrow (N) or too broad (B).
  - Excessive overlap with other part of operating test or written examination.
- Check the appropriate box when a job content error is identified:
  - Topics not linked to job content (e.g., disguised task, not required in real job).
  - Task is trivial and without safety significance.
- Based on the reviewer's judgment, is the JPM as written (U)nacceptable (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?
- Provide a brief description of any U or E rating in the explanation column.
- Save initial review comments as normal black text; indicate how comments were resolved using **blue text** so that each JPM used on the exam is reflected by a (S)atisfactory resolution on this form.

**APPENDIX O - REGION IV OPERATING TEST SYSTEM JPM QUALITY REVIEW MATRIX**

JPM#	1. Dyn (D/S)	2. LOD (1-5)	3. Attributes					4. Job Content Errors		5. U/E/S	6. Explanation (See below for instructions)
			IC Focus	Cues	Critical Steps	Scope (N/B)	Overlap	Job-Link	Minutia		
CRS-A	D	3								S	EOP22-(RO/SROI/SROU)-(pg139)-
CRS-B	D	2								S	LTOP1-(RO/SROI/SROU)-(pg151)-
CRS-C	D	3								S	RCP05-(RO/SROI)-(pg158)-
CRS-D	D	3			X					E(S)	EOP16-(RO/SROI)-(pg172)- should steps 4 be critical? <i>(Fixed)</i>
CRS-E	D	3								S	HYD03-(RO/SROI)-(pg180)-
CRS-F	D	2								S	EDO08-(RO/SROI)-(pg193)-
CRS-G	D	3								S	ARM01-(RO/SROI/SROU)-(pg201)-
CRS-H	S	3			X					E(S)	AOP28-(RO)-(pg218)- why is step 2 critical? <i>(Fixed)</i>
IPS-I	D	3			X					E(S)	CA01-(RO/SROI)-(pg226)- Step 6 should not be critical; <i>(Fixed)</i>
IPS-J	D	1				X				U(S)	EFW02-(RO/SROI/SROU)-(pg234)- insufficient discriminatory validity; <i>(Replaced)</i>
IPS-K	D	3								S	EDO30-(RO/SROI/SROU)-(pg241)-

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- Determine level of difficulty (LOD) using established 1-5 rating scale. Levels 1 and 5 represent inappropriate (low or high) discriminatory level for the license being tested.
- Check the appropriate box when an attribute weakness is identified:
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  - The JPM does not contain sufficient cues that are objective (not leading).
  - All critical steps (elements) have not been properly identified.
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  - Excessive overlap with other part of operating test or written examination.
- Check the appropriate box when a job content error is identified:
  - Topics not linked to job content (e.g., disguised task, not required in real job).
  - Task is trivial and without safety significance.
- Based on the reviewer's judgment, is the JPM as written (U)nacceptable (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?
- Provide a brief description of any U or E rating in the explanation column.
- Save initial review comments as normal black text; indicate how comments were resolved using **blue text** so that each JPM used on the exam is reflected by a (S)atisfactory resolution on this form.

**APPENDIX O - REGION IV OPERATING TEST SCENARIO QUALITY REVIEW MATRIX**

Scen Set	1. ES	2. TS	3. Crit	4. IC	5. Pred	6. TL	7. L/C	8. Eff	9. U/E/S	10. Explanation (See below for instructions)
1									S	
2									S	
3									S	
4 (B/U)									S	

**Instructions for Completing Matrix**

This form is not contained in or required by NUREG-1021. Utilities are not required or encouraged to use it. The purpose of this form is to enhance regional consistency in reviewing operating test scenario sets. Additional information on these areas may be found in Examination Good Practices Appendix D. Check or mark any item(s) requiring comment and explain the issue in the space provided.

1. ES: ES-301 checklists 4, 5, & 6 satisfied.
2. TS: Set includes SRO TS actions for each SRO, with required actions explicitly detailed.
3. Crit: Each manipulation or evolution has explicit success criteria documented in Form ES-D-2.
4. IC: Out of service equipment and other initial conditions reasonably consistent between scenarios and not predictive of scenario events and actions.
5. Pred: Scenario sequence and other factors avoid predictability issues.
6. TL: Time line constructed, including event and process triggered conditions, such that scenario can run without routine examiner cuing.
7. L/C: Length and complexity for each scenario in the set is reasonable for the crew mix being examined, such that all applicants have reasonably similar exposure and events are needed for evaluation purposes.
8. Eff: Sequence of events is reasonably efficient for examination purposes, especially with respect to long delays or interactions.
9. Based on the reviewer's judgment, rate the scenario set as (U)nacceptable (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory.
10. Provide a brief description of problem in the explanation column.
11. Save initial review comments as normal black text; indicate how comments were resolved using **blue text** so that each JPM used on the exam is reflected by a (S)atisfactory resolution on this form.