

APPENDIX N - REGION IV OPERATING TEST SCENARIO 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	Could use more details for each event. Need space to make notes.
2									S	Could use more details for each event. Need space to make notes
3									S	Could use more details for each event. Need space to make notes

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, is the scenario set as written (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

APPENDIX E - REGION IV OPERATING TEST JOB PERFORMANCE MEASURE 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		
RA-1	S	3								S	JPM will require one-on-one performance with examiner.
RA-2	S	3			X					S	All steps are critical.
RA-3	S	3			X					E	All but two steps are critical. Should Steps 8 and 9 be critical?
RA-4	S	2					X			U	A simulator subject involving dose rate and level of exposure is on the written exam.
SA-1	S	2								S	
SA-2	S	2			X					E	Step 1 should not be critical.
SA-3	S	4	X							U	Need to add "Mode 1" in the initiating cue to cover all TS options. Need to correct answer key for "T=5 hrs" by changing "Action C" to "Action A". Need to specify in JPM for examiner that MSIVs are operable when pressure is > 5000 psi.
SA-4	S	2			X					E	Step 1 should not be critical.
SA-5	S	3								E	The JPM steps are not consistent with the procedure steps, e.g., a part of Procedure Step 3.6 and all of Procedure steps 3.7 and 3.8 are not recognized by the JPM. JPM Steps 7 and 18 have a 13 minute classification time, where does this time come from?
JS-1	S	3								E	Add "NOTE: Procedure Step 4.3.10 is NA." between JPM steps 9 and 10. The alternate path is weak and inconsistent with the guidance provided by Appendix C of NUREG 1021.
JS-2	D	3								S	
JS-3	D	2			X					E	For JPM Step 2: Remove asterrisk and make step non-critical; delete subject matter in "STEP" column; move subject matter from the "STANDARD" column to the "STEP" column.
JS-4	D	3								S	
JS-5	D	3			X					E	Why are JPM Steps 1 and 2 critical? Add Table 8.4.1 and the answer key to the JPM.
JS-6	D	2								E	Why are JPM Steps 1, 2, and 4 critical? JPM Step 9, "STANDARD" column, rearrange such that the "Note" is at beginning of column and reactor trip is at the end of the column.
JS-7	D	3			X					E	Add Valve # SGE-V084 to JPM Step 3. Why are Steps 8, 9, and 10 critical?
JS-8	D	2			X					E	Why is JPM Step 3 critical? JPM Step 6 change to read: Examinee notes that proportional heaters have tripped and closes heater breakers RCN-HS-100-1 and RCN-HS-100-2 by selecting the handswitch to "ON".

JPM#	1. Dyn (D/S)	2. LOD (1-5)	3. Attributes					4. Job Content Errors		U/E/S	5. Explanation (See below for instructions)
			IC Focus	Cues	Critical Steps	Scope (N/B)	Overlap	Job-Link	Minutia		
JP-1	D	3								E	JPM Step 6, change third sentence in "STANDARD" column to read: "Does not go to procedure step 18, proceeds to procedure step 2 (JPM Step 7)." JPM Step 7, change "STEP" column to read: "If the annunciator panel indicates "GENERATOR DIFFERENTIAL" (DGB-05B), THEN go to Step 8. JPM Step 10, add the following cue: "The "GENERATOR DIFFERENTIAL LOCKOUT RELAY 86D is reset."
JP-2	D	3	X	X	X					U	Change Valve CHN-PV-201P in the initiating cue to CHN-PV-201Q. Add the following to JPM Step 1: "Note: The intent of this JPM is to place in service a second train of standby letdown in parallel to the running train, therefore, actions taken will be for only one train. JPM Step 4 should be critical. JPM Step 5, "STEP" column and "CUE" column, change valve number CHN-V348 to CHN-V347. JPM Step 5, "STANDARD" column, change 110' in the note to 100'. JPM Step 5, "STEP" column, change Valve # from CHN-PV-201P to CHN-PV-201Q. JPM Step 7, "STEP" and "CUE" columns, change valve # CHN-V350 to CHN-V349. JPM Step 7 "STEP" column, change valve # CHN-PV-201P to CHN-PV-201Q. JPM Step 7, "STANDARD" column, change 110' in the note to 100'.
JP-3	S	2								E	JPM Step 5, "CUE" column and "STANDARD" column, change valve #OWN-V091 to CMN-V091. JPM Step 7, "CUE" column and "STANDARD" column, change valve #OWN-V076 to CMN-076.

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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 problem in the explanation column. Provide conclusion on whether JPM SET criteria satisfied (i.e., number/distribution of safety functions, A.3 and A.4 integrated with parts B/C, Admin topics per section meet ES).