

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)	Over- lap	Job- Link	Minutia		
A/1/a											Revised to correct Examiner Note on Grading Criteria from "initial" to "final" for RWT volume and boron
A.1.b											Upper Gripper Temperature and Critical Elements don't match (Revise data) Make Alt-Path
A.3											Minor Edits
2A2											Add Cue for Unit 1 Amp load on SU #2 Xfmr

**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 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).

GP5-APP-E - OPERATING EXAM COMMENTS - ADMIN JPM											
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)	Over- lap	Job- Link	Minutia		
RO-A1a	S	3								E	Attach a correctly completed form to the examiner's copy of the JPM.
RO-A1b	S	2								S	
RO-A2	S	3								S	
RO-A3	S	3			E					E	Step 4 or 5 should be a critical step but not both. Attach a correctly completed form to the examiner's copy of the JPM.
SRO-A1a	S	3								E	Recommend the first examiner cue (data not provided by CBOT) be added to the applicant's cue sheet. Attach a correctly completed form to the examiner's copy of the JPM.
SRO-A1b	S	3								S	
SRO-A2	S	3								S	
SRO-A3	S	3								S	
SRO-A4	S	3								E	Attach a correctly completed form to the examiner's copy of the JPM.

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- 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.

GP5-APP-E - OPERATING EXAM COMMENTS - SYSTEM JPM											
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)	Over- lap	Job- Link	Minutia		
b2a	S									S	General Comment: Recommend adding an additional alternate path as there is currently only 4 (the minimum for a valid exam).
b2b	S									S	
b2c	S									S	
b2d	S									S	
b2e	S									E	7 of the 10 steps are designated as critical steps. This should be reduced.
b2f	S									S	
b2g	S									S	
b2h	S									S	
b2i	S									U	This is a repeat safety function and repeat safety functions are excluded per NUREG-1021 (see note on ES-301-2 and instructions).
b2j	S									U	This is a repeat safety function and repeat safety functions are excluded per NUREG-1021 (see note on ES-301-2 and instructions).
b2k	S									U	This is a repeat safety function and repeat safety functions are excluded per NUREG-1021 (see note on ES-301-2 and instructions). The examinee's handout has the steps misnumbered.

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- Provide a brief description of any U or E rating in the explanation column.
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GP5-APP-E - OPERATING EX										Explanation (See below for instructions)
Scen Set	1. ES	2. TS	3. Crit	4. IC	5. Pred	6. TL	7. L/C	8. Eff	9. U/E/S	
1		E							E	This scenario does not have 2 TS prior to the main event. Credit is taken for TS that occur following the main event and these will be difficult to evaluate during the scenario. Event 6 should be included as part of the main event and credit should not be given as a separate event. The guidance in NUREG-1021 recommends 1-2 malfunctions after entering the EOPs. The scenario as written has 4 malfunctions after the initial EOP entry. Recommend including event 6 as part of event 5 and adding a malfunction prior to the first main event that will involve a TS evaluation.
2		E							E	This scenario does not have 2 TS prior to the main event. Credit is taken for TS that occur following the main event and these will be difficult to evaluate during the scenario. This scenario contains 3 malfunctions after entering the EOPs (see comment above).
3(B/U)		E							E	This scenario does not have 2 TS prior to the main event. Credit is taken for TS that occur following the main event and these will be difficult to evaluate during the scenario. Event 6 should not be counted as a separate event as it is the direct result of the loss of power and should be included as part of that event. Recommend adding a normal evolution to start the scenario.
										General Comments: The ES-301-5 is not filled in correctly. It should be filled out by applicant vice position. The scenarios are scripted so that the SRO is expected to refer to TS and EP during the main event. We generally do not evaluate these during the event. Recommend these SRO actions be removed from the scenarios.

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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.