

Form 2.3-3 Operating Test Review Worksheet (JPMs)

Facility: Grand Gulf											Exam Date: Jan 22-25, 2024	
1 JPM # or title	2 Type (S/P/A)	3 ALT (Y/N)	4 LOD (1-5)	5 JPM Errors							6 U/E/S	7 Explanation
				LOD	REF	IC	TSK	CUE	CS	TL		
AS2	A	N/A	2								E	Change initial condition for RCIC to, "RCIC was manually valved in reactor pressure and level control." Step 2, correct reference is 10 CFR 50.72(a)(1)(i). Corrected.
AS4	A	N/A	2								E	Be clearer on 3 rd bullet that work is NOT for protecting infrastructure of large populations. Have step 2 bullet in initiating cue read same as answer key question: "Determine the exposure limit for current condition." Corrected.
P1	P		2								E	Do not wish to perform JPM in containment. Replaced with "Hydrogen igniter alternate power." Prepare separate JPMs instead of combining both trains into a single JPM. Provide copies of figures 1&2 from 05-S-01-Strategy for the examiners, and improve clarity on Figure 2. Typo step 2, 1A308 should be 1A307. Corrected.
P2	P	Y	2								E	Show handout completed to 4.6.2 and have initiating cue note starting at step 4.6.2. Step 6 standard, "... and charger amps is zero." Delete step 12 (duplicate of step 11). Corrected.
C1	S	N	2								E	Consistently clarify throughout the JPM to use the provided photographs. Corrected.
S1	S	Y	2								E	Step 6, verify hard card steps against JPM ONEP steps. Corrected.
S2	S	Y	2								E	Change validation time to 9 min. Change task standard to all inboard MSIVs open. Change task overview to steam leak occurs when all inboard MSIVs are open. Step 1 all bullets are critical and

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				LOD	REF	IC	TSK	CUE	CS	TL		
												delete comment in note that only one is considered critical. Corrected.
S4	S	N	2								E	Steps 2.2 and 2.3 of Attachment 14 should also be marked complete. Initiating cue should indicate starting at step 2.4, and add, “using both containment cooling exhaust fans.” Delete JPM steps 1 and 2. Delete references in current step 5 regarding only one fan. Task standard should indicate starting both fans. Corrected.
S5	S	N	2								E	Add examiner note that candidate can drive one or more detectors at a time. Ensure IRMs are properly ranged during setup. Corrected.
S7	S	N	2						X		U	Ensure step 5.2.b is included with handout. Initiating cue to begin at step 1.2.1. Delete JPM step 1. Step 28 should be critical. Corrected.

Form 2.3-3 Instructions for Completing the JPM Table

1. Enter the JPM number and/or title.
2. Enter the type of JPM—(S)imulator, (P)lant, or (A)dministrative.
3. Enter (Y)es or (N)o for an Alternate Path JPM.
4. Rate the level of difficulty (LOD) of each JPM using a scale of 1–5 (easy–difficult). A JPM containing less than two critical steps, a JPM that tests solely for recall or memorization, or a JPM that involves directly looking up a single correct answer is likely LOD = 1 (too easy). Conversely, a JPM with over 30 steps or a JPM that takes more than 45 minutes to complete is likely LOD = 5 (too difficult).
5. Check the appropriate block for each JPM error type, using the following criteria:
 - LOD = 1 or 5 is unsatisfactory (U).
 - REF: The JPM lacks required references, tools, or procedures (U).
 - IC: The JPM initial conditions are missing or the JPM lacks an adequate initial cue (U).
 - CUE: The JPM lacks adequate evaluator cues to allow the applicant to complete the task, or the evaluator cues are subjective or leading (U).
 - TSK: The JPM lacks a task standard or lacks completion criteria for a task standard (U).
 - CS: The JPM contains errors in designating critical steps, or the JPM lacks an adequate performance standard for a critical step (U).
 - TL: The JPM validation times are unreasonable, or a time-critical JPM lacks a completion time (U).
6. Mark the JPM as unsatisfactory (U), satisfactory (S), or needs enhancements (E). A JPM is (U) if it has one or more (U) errors as determined in step 5. Examples of enhancements include formatting, spelling, or other minor changes.
7. Briefly describe any JPM determined to be unsatisfactory (U) or needing enhancement (E). Save initial review comments and detail subsequent comment resolution so that each exam-bound JPM is marked by a satisfactory (S) resolution on this form.

Form 2.3-3 Operating Test Review Worksheet (Scenarios)

Facility: Grand Gulf			Scenario: 1			Exam Date: Jan 22-25, 2024	
1 Scenario Event ID/Name:	2 Scenario event errors					3 U/E/S	4 Explanation
	Realism/ Credibility	Performance Standards	Verifiable Actions	Critical Task	TS		
On scenario cover page, change CT-2 to before reactor water level reaches -191". Changed. On scenario outline, change event 6 to coolant leak in drywell and change event 8 to condensate booster pump trips. Changed. On scenario activities pages, change event 4 to RWU leak in the drywell, change event 6 to coolant leak in drywell, change event 8 to condensate booster pump trips and eliminate that RCIC is unavailable, change event 9 for HPCS pumps to trip 2 minutes after booster pump trips and eliminate the control rods inserted for termination criteria. Changed. On critical task table, add justification for the 5 minute completion time to CT-1, and change CT-2 to before reactor water level reaches -191". Changed.							
1							
2							
3						E	Eliminate annunciator P680-7A-C1. Eliminated. Change booth cue such that the examiners are not providing the cue. Changed.
4						E	RWCU HX leak should be 75%, no ramp. Added. Add examiner note regarding what isolates suction and return line. Added. Update booth cue on providing room temp info after RWCU is isolated. Updated.
5							
6							
7							
8							
9						E	Trip HPCS pump 2 minutes after inserting trigger. Added. Booth cue to increase leak to 10% once HPCS trips. Added. Update booth cue to clarify booster pumps tripped due to low hotwell level. Updated.

Facility: Grand Gulf			Scenario: 2			Exam Date: Jan 22-25, 2024	
1 Scenario Event ID/Name:	2 Scenario event errors					3 U/E/S	4 Explanation
	Realism/ Credibility	Performance Standards	Verifiable Actions	Critical Task	TS		
On scenario cover page, change turnover to lower power to 1400 MW, eliminate injecting boron from CT-1 and change CT-1 time to 90 seconds, an add CT-3 to restore instrument air to containment. Corrected .							
On scenario outline, change event 5 to recirc pump trip, change event 6 to major from component failure and event 7 to component failure from major, and eliminate event 9. Changed .							
On scenario activities pages, correct errors on event 4 description and add applicable tech specs, update event 5 and associated tech specs, and eliminate event 9. Corrected .							
On critical task table, remove boron injection from CT-1 and change applicable time to 90 seconds, add time justification for CT-2, and add CT-3. Corrected .							
1						E	Add guidance that goal is to clear low level alarms. Added .
2							
3							
4						E	Remove annunciators P601-21A-A7 and H8. Removed . Add table with appropriate tech specs. Added . Update booth cue to include have a grand gulf employee following applicant to V-panel and providing cues. Updated .
5						E	Update entire event from jet pump pump to recirc pump failure. Updated . Add correct tech spec table. Added . Update booth cue to inform crew that surveillance in no acceptable. Updated .
6						E	Change to direct reducing flow. Changed .
7						E	Add bullet to verify level 2 isolations. Added . Remove statement about closing MSIVs. Removed . Reduce the fuel failure severity after mode switch is in shutdown. Added booth cue . Add the steps to verify level 2 isolations. Added .
8							
9						E	Remove triggers 11-13 on booth cue, and wait 5 minutes to insert trigger 17. Corrected .

Facility: Grand Gulf			Scenario: 3			Exam Date: Jan 22-25, 2024	
1 Scenario Event ID/Name:	2 Scenario event errors					3 U/E/S	4 Explanation
	Realism/ Credibility	Performance Standards	Verifiable Actions	Critical Task	TS		
On scenario cover page, change to IRM B out of service, keep ALC A in service, and modify startup to resume at step 69. Corrected. On scenario outline, change event 3 to rod drift in. Changed. On scenario activities pages, add to event 4 that RHR C jockey pump will trip, and add tech spec 3.3.6.4 condition C as an applicable TS. Corrected. On critical task table, add time justification for CT-3. Added.							
1							
2						E	Add examiner note that a rod block alarm will come in whenever a control rod reaches its target position. Added.
3						E	Change to insert trigger after rod 56-53 is fully withdrawn. Changed. Update booth cue to remove drift-in malfunction after dispatched to isolate HCU. Updated.
4						U	Add annunciator P601-17A-C4. Added. Add that jockey pump trips. Added. Add tech spec 3.3.6.4.C as applicable tech specs. Added.
5							
6						E	Insert RCIC steam like at 35%. Added to booth cue. Add examiner note that high steam tunnel temp automatically closes MSIVs. Added.
7							
8							
9						E	Have RCIC room cooler fails to start. Added.

Form 2.3-3 Instructions for Completing the Scenario Table

1. For each scenario, enter the scenario event names and descriptions.
2. Review the individual events contained in each scenario, and identify and mark event errors:
 - The scenario guide event description is not realistic/credible—unsatisfactory (U).
 - The scenario guide event description lacks adequate crew/operator performance standards—needs enhancement (E).
 - The scenario guide event description lacks verifiable actions for a credited normal event, reactivity event instrument/component malfunction, or technical specification (TS) event (or a combination of these) (U).
 - The scenario guide event description incorrectly designates an event as a critical task (i.e., a noncritical task labeled as critical or a critical task labeled as noncritical). This includes critical tasks that do not meet the critical task criteria (i.e., the critical task does not have a measurable performance standard) (U).
 - The scenario guide event description incorrectly designates entry into TS actions when not required or does not designate entry into TS actions when required (U).
3. Based on the outcome in step 2, mark the scenario event as unsatisfactory (U), satisfactory (S), or needs enhancements (E). An event is (U) if it has one or more (U) errors as determined in step 2. Examples of enhancements include formatting, spelling, or other minor changes.
4. Briefly describe any scenario event determined to be unsatisfactory (U) or needing enhancement (E). Save initial review comments and detail subsequent comment resolution so that each exam-bound scenario event is marked by a satisfactory (S) resolution on this form.

