

# Operating Test Comments

## 2016 NRC ILT Examination Issues and Resolutions

Test Item	U/E/?	Issue	Proposed Resolution	Accepted	Resolved
Scenario 1	E	Information missing from Crew Turnover (RMA)	Add information to Crew Turnover: "Fire Risk is Blue. Risk Management Actions (RMA) in place."	✓	
Scenario 1	E	Option to move scenario along after DFWLC in Single Element missing	Add Option "LEAD EVALUATOR NOTE: IF desired, the scenario may continue to Event 4 when RPV level is stable and DFWLC is in Single Element."	✓	
Scenario 1	E	Start 1C RFP from Bus 12	Add direction: "BOP - Starts the 1C RFP from Bus 12."	✓	
Scenario 2	E	Event order incorrect	Revise event order in the scenario front matter. Events 4 and 5 realigned to match the body of the scenario.	✓	
Scenario 2	E	Malf RD13 causes incorrect rod motion	Revise CAEP and malfunction placement	✓	
Scenario 2	E	Protected Equipment ring missing from set up	"Protect the 1B SCW pump with Protected Equipment ring" added to set up.	✓	
Scenario 2	E	Fire risk missing from Turnover (Blue No RMAs)	"Fire Risk is BLUE. No Risk Management Actions (RMA) in place. Evolution less than 48 hours duration." Added to Crew Turnover	✓	
Scenario 2	E	Reactivity SRO role play	If the crew requests a Reactivity SRO, state: " <b>No one is available to perform this function.</b> " added to the scenario guide	✓	
Scenario 2	E	Event 4 Sim Op note for malf insertion	Revise malf insertion timing. "While rod P-10, is being withdrawn, initiate the RBM Upscale malfunction. (Malfunction expert command: <b>imf nm10a 100</b> )" added to scenario guide.	✓	
Scenario 2	E	Event 5 Sim Op note for malf insertion	Revise malf insertion timing. SDV hydraulic lock malfunctions moved to Event 8.	✓	
Scenario 2	E	Event 6 typo	Correct Typo. VAVLES changed to VALVES	✓	
Scenario 2	E	Event 8 CRAM rods are inserted	Correct rod insertion instructions. CRAM rod actions deleted since they are already inserted. Control Rod motion steps start with inserting control rods by spiraling out from the center of the core.	✓	
Scenario 2	E	Crew Turnover needs direction for fuses	Crew Turnover revised: "Replacement fuse is in the Main Control Room."	✓	
Scenario 3	E	Step missing to secure 1A SW pump	Add step: "BOP Secures 1A SW pump"	✓	
Scenario 3	E	Fire System response actions missing	Add contingency steps to deal with Fire System response. (bat fire and fire typer response sheet)	✓	

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Scenario 3	E	Event 4 rod insertion instructions too restrictive	Add instructions: for both methods of FCL reduction.	/	
Scenario 3	E	Reference not needed for QCOA 400-02	Change the steps to refer to Power to Flow Map	/	
Scenario 3	E	Event 6 QCOA 400-01 missing	Add procedure reference to SRO actions	/	
Scenario 3	E	Event 7 page numbering incorrect	Fix page numbers	/	
Scenario 3	E	Event 7 typo	Fix spelling of temperature.	/	
Scenario 3	E	Fire risk missing from Turnover (Blue No RMAs)	"Fire Risk is BLUE. No Risk Management Actions (RMA) in place. Evolution less than 48 hours duration." Added to Crew Turnover	/	
Scenario 3	E	Protected Equipment ring missing from set up	"Protect the 1B SCW pump with Protected Equipment ring" added to set up.	/	
Scenario 4	E	Set up instructions need missing blank copy QCOS 1600-04	Have blank copy on hand	/	
Scenario 4	E	Turnover instructions missing	Add to turnover: "An EO is briefed and on station in the Core Spray room."	/	
Scenario 4	E	Event 1 Core Spray header instructions missing	Add instructions: "IF over-pressure condition exists in discharge line piping, THEN: <ul style="list-style-type: none"> <li>Crack open MO 1-1402-4B to slowly pressure</li> <li>Close MO 1-1402-4B when pressure reaches 90 psig as indicated on PI 1-1450-1B, CS HEADER</li> </ul>	/	
Scenario 4	E	SRO listed as entering SDTC	Move to RO task	/	
Scenario 4	E	Event 2 missing conditional cue	Add cue : "LEAD EVALUATOR ROLE PLAY: IF necessary, as the Shift Manager direct completion of QCOS 1600-04 using the 1A DW CAM. (Provide the blank copy of QCOS 1600-04 upon request.)"	/	
Scenario 4	E	Event 3 BOP listed	Move to ATC	/	
Scenario 4	E	Event 3 Conditional step for C/CB pump selector missing	Add Conditional step: "May place the COND PMP SELECTOR switch to the OFF position."	/	
Scenario 4	E	Event missing Evaluator note	Add Evaluator note to help ensure proper person takes action: "SIMOP : When directed by the Lead Examiner and the BOP is in position to receive credit for the malfunction, trip the 1A Gland Exhauster by manually initiating trigger 3"	/	

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Scenario 4	E	Event 7 ATWS action steps are not all needed	Annotate steps for conditional ATWS actions	/	
Scenario 4	E	Bottom of page 22 Evaluator note missing for Torus Cooling	Add Evaluator note: "EVALUATOR NOTE: IF the Crew initiates Torus Cooling, see page 24 for the steps."	/	
Scenario 4	E	Event 8/9 missing the word "pump" for RHRSW pumps	Add word "pump"	/	
Scenario 5	E	Set up Instructions missing a step to provide 901-16 panel key and SDTC for 1A H2/O2 analyzer	Revise instructions	/	
Scenario 5	E	Event 2 incorrect control rod cited	Revise to Control Rod J-3	/	
Scenario 5	E	Event 3 Sim Op remote function missing	Add remote function for closing the CRD 105 valve.	/	
Scenario 5	E	Event 3 TS needs more specificity	Revise by adding Condition C	/	
Scenario 5	E	Event 5 TS and TLCO	Revise to state: SRO Determines APRM 1, 2, and 3 are INOPERABLE: • RPS Instrumentation Tech Spec 3.3.1.1, Conditions A and C • Control Rod Block Instrumentation TRM 3.3.a Condition A SRO Determines RBM 7 is INOPERABLE Tech Spec 3.3.2.1 Condition A SRO Determines OPRM 1, 2, 3, and 7 are INOPERABLE per Tech Spec 3.3.1.3 Condition A	/	
Scenario 5	E	Event 6 Remove unneeded wording	Remove "Verify in Simulator".	/	
Scenario 5	E	Event 6 QCGP 2-3 actions on wrong page	Actions moved to proper spot	/	
Scenario 5	E	Event 7 page numbers wrong	Revise	/	
Scenario 5	E	Event 7 actions to scram reactor	Remove steps	/	



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JPM a	E	Initial Conditions in body of JPM and the "handout sheet" are different. The word "all" appears twice in one sentence.	Delete the duplicate word.	/	
JPM b	E	Missing cue after step F.2.d	Add cue for Chemistry Role Play	/	
JPM b	E	Missing cues after step F.8.a	Add cue for US Role Play to prompt examinee to "Raise RPV injection flow."	/	
JPM c	E	Initial Condition and Initiating Cue wording require enhancement	Revise Initial Condition and Initiating Cue to: "Initiate an RPV cooldown with a target cooldown rate of $\leq$ 80°F/hr using the Main Steam Line Drains through the Main Turbine Bypass valves per QCOP 0250-05 -A copy of QCOP 0250-05, with step C.1 and F.3 marked N/A and initialed by the Unit Supervisor."	/	
JPM c	E	Initial conditions direction to N/A step F.3	Add direction N/A step F.3	/	
JPM c	E	Missing cue after step F.2.g	Add cue: " IF the examinee reports a RPV cooldown has been established, THEN as the US state: "Establish additional pressure reduction."	/	
JPM e	E	Cue after step F.4.h is in the wrong place and worded poorly	Revised cue to read The 0-1705-19 "Chimney Gas Activity" recorder is reading slightly higher" and placed in the proper location.	/	
JPM f	E	Cue for TCC tags missing	Add cue If necessary, as the Unit Supervisor, inform the examinee that "Step 1.c of QCOP 7000-03 Attachment A (place EST on the 901-5 panel) has been completed by the Unit NSO." "Another NSO will place the TCC tags on the jumpers after installation."	/	
JPM j	E	Typo in step number	Revise to "F.3. f-g"	/	
JPM j	E	Missing check mark on summary page	Add check mark for Alternate Path	/	
JPM i	E	Missing screwdriver for examinee	Revise cue to provide screwdriver: "As needed, provide examinee with a screwdriver to open JB 2-0030-JB200."	/	

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JPM RO Admin 1	E	Typo in the Initial Conditions	Correct Typo to read: "The QNE has been notified substitute values for RWCU pump flow are to be entered for the Core Thermal Heat Balance."	✓	
JPM RO Admin 2	E	Damper positions are swapped	Correct damper positions in steps F.1.c. (5) and (6) from "Verifies the ½ -7504A TURB BLDG CLG AIR DMPR is CLOSED" to "OPEN"	✓	
JPM RO Admin 2	E	Typo in Initiating Cue.	Changed "and" to "any"	✓	
JPM RO Admin 3	E	Unclear Initiating Cue	Revise Initiating Cue to "The RELAY associated with TCV #3 in the Turbine Generator Load Rejection RPS Logic."	✓	
JPM RO Admin 3	E	Evaluator note incorrect	Revise Evaluator note to state: "A blank copy of QOS 5600-01 is provided upon request."	✓	
JPM RO Admin 4	E	Daily Set Up Instructions modified to include Test Pot. in Mid position	Provide set up instructions to: "Adjust test potentiometer to mid position such that no alarm (high or low) occurs when the Trip Check pushbutton is depressed."	✓	
JPM SRO Admin 1	E	Role play needs enhancement	Enhance role play to state: "Will you violate Work Hour Restrictions? YES. I worked overtime on Shift 3 and I have only had four hours off."	✓	
JPM SRO Admin 2	E	Procedures in Initial Conditions listed as QCIS vice QCOS	Revise procedure listing to state: "SRM/IRM Detector Not Full In Functional Test QCOS 0700-01; completed 4/02 at 1600 hrs"	✓	
JPM SRO Admin 2	E	Typo in step 51.a.9	Correct typo from "ration to "ratio."	✓	
JPM SRO Admin 3	E	Cue to provide QCAP 1500-01, OP-MW-201-007, or Fire Pre-Plan missing	Provide Evaluator Note: "EVALUATOR NOTE: When requested (located), provide a copy of QCAP 1500-01, OP-MW-201-007, or Fire Pre-Plan. The sequence of providing the reference material may vary by examinee. The examinees may perform the verification steps in any order."	✓	
JPM SRO Admin 3	E	Unneeded information concerning detector	Remove extraneous material.	✓	
JPM SRO Admin 5	E	X missing for NARS #1	Fill in missing "X"	✓	
JPM SRO Admin 5	E	Typo in Initiating Cue	Word "to" missing.	✓	

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Q#	U/E/?	Issue	Proposed Resolution	Accepted	Resolved
55	E	Change verbiage to enhance operational validity.	Add: "Under" to the start of stem QUESTION. Replace: "WILL NOT ALLOW" w/ "is" Add: "procedurally prohibited" after "OVERRIDE"	/	
56	U	Question stem would lead student to pursue what were the requirements for the last six months; therefore, there are no correct answers.	Delete: "and has been performing licensed activities for the past six months."	/	
76	E	Add procedural references.	Add procedure reference: QOA 6900-10.	/	
78	E	Add procedural references.	Add procedural references.	/	
79	E	Add procedural references.	QCAN is in question stem. No Change	/	Y
80	U	Question is not SRO only.	Station objective is SRO only. No Change	/	Y
82	E	Add procedural references. Change verb tense.	Add: "per QGA 100" Replace: "would" w/ "will"	/	
84	E	Add procedural references.	Add procedural references.	/	
86	E	Add procedural references.	Add: "QGA 100 and 200 have been entered."	/	
91	?	Why was 2.5# deleted from QGA stem?	Students are required to know this information from memory. Including this information may compromise other questions. No Change	/	Y
93	E	Add procedural references.	Add procedural references.	/	

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Q#	U/E/?	Issue	Proposed Resolution	Accepted	Resolved
2	?	Distractor C. RRCS Major Failure alarm seems highly probable.	Revise failure mode in stem to a LOWER SLOW pushbutton failure and no operator action.		
5	E	Edit Answer A. to reflect 100% RTP	Replace: "has no pump running." w/ "has had a trip of the running CRD pump."		
9	?	Why is Distractor D. (Secondary Containment Interlock Doors) incorrect?	NRC observed orientation of equipment in the Unit 1 HPCI room. Additional information will be added to the Answer Explanation.		
12	U	This question tests knowledge of electrical power supplies. During a refueling outage many systems may be unavailable. Make it clear RHR (Div I) was available prior to the stem transient.	Add bullet to stem: The "A" loop of RHR (Div I) is in a standby lineup.		
13	E	The stem question is not unit specific.	Add Unit 1 to the stem question.		
16	?	Do the IAC have any auto start signals? No	No Change		Y
21	?	Will violation of Vortex Level Limit cause overheating? Yes This GFES question was made specific to QC.	No Change		Y
23	U	Distractors are not plausible. The Mode Switch would not be placed in S/D to ensure the unit has testing flexibility.	Revise distractors to bases from EOPs to avoid conflict with TS Bases.		
27	?	Are there separate pushbuttons for IRMs and SRMs? No	No Change		Y
42	E	Change verbiage to enhance operational validity.	Replace: "noted" w/ "checks" "indications shown above" w/ "for proper operation" Insert : "above" after shown in stem QUESTION.		