

Q	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. Source (B/M/N)	7. Status (U/E/S)	8. Explanation
			Stem Focus	Cues	T/F	Cred. Dist	Partial	Job-Link	Minutia	#/Units	Backward	Q – K/A	SRO Only			
1	H	2				X								B	U	Distractors C1 and D2 indicate PRT is at a vacuum. Not operationally valid. Changed pressures to indicate saturations temperatures above 212 (10 psig)
2	H	3												N	E	Changed "re-opening" to "MCB operation to re-open" in 2nd part of question
3	F	2												B	E	Randomly reselected a new K/A and rewrote question. Changed "lists" to "states" in stem. Changed "of the loss of CCW" to "Based on the plant conditions" at end of question statement
4	H	2												B	S	
5	H	3												B	E	Removed "for operation of RHR pumps" from stem
6	H	2												B	E	Removed statement in stem about Pzr pressure lowering, and changed stem question to "Which one of the following describes the plant response" Added NOTE for PT-429 nomenclature and removed wording from answer choices
7	H	2												M	E	Swapped order of 2nd and 3rd stem bullets
8	F	2												B	S	

Refer to Section D of ES-401 and Appendix B for additional information regarding each of the following concepts:

- Enter the level of knowledge (LOK) of each question as either (F)undamental or (H)igher cognitive level.
- Enter the level of difficulty (LOD) of each question a 1 (easy) to 5 (difficult); questions with a difficulty between 2 and 4 are acceptable.
- Check the appropriate box if a psychometric flaw is identified:
 - "Stem Focus": The stem lacks sufficient focus to elicit the correct answer (e.g., unclear intent, more information is needed, or too much needless information).
 - "Cues": The stem or distractors contain cues (e.g., clues, specific determiners, phrasing, length).
 - "T/F": The answer choices are a collection of unrelated true/false statements.
 - "Cred. Dist.": The distractors are not credible; single implausible distractors should be repaired, and more than one is unacceptable.
 - "Partial": One or more distractors are partially correct (e.g., if the applicant can make unstated assumptions that are not contradicted by the stem).
- Check the appropriate box if a job content flaw is identified:
 - "Job Link": The question is not linked to the job requirements (i.e., the question has a valid K/A but, as written, is not operational in content).
 - "Minutia": The question requires the recall of knowledge that is too specific for the closed-reference test mode (i.e., it is not required to be known from memory).
 - "#/Units": The question contains data with an unrealistic level of accuracy or inconsistent units (e.g., panel meter in percent with question in gallons).
 - "Backward": The question requires reverse logic or application compared to the job requirements.
- Check questions that are sampled for conformance with the approved K/A and those K/As that are designated "SRO-only." (K/A and license-level mismatches are unacceptable.)
- Enter question's source: (B)ank, (M)odified, or (N)ew. Verify that (M)odified questions meet the criteria of Form ES-401, Section D.2.f.
- Based on the reviewer's judgment, is the question, as written, (U)nsatisfactory (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?
- At a minimum, explain any "U" status ratings (e.g., how the Appendix B psychometric attributes are not being met).

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9	F	2		X		X								N	U	<p>"Boron concentration significantly lower" cues candidate that A and C are not plausible.</p> <p>Changed 30 min to 60 minutes in A1 and B1, and removed 4th stem bullet about boron concentration.</p> <p>Deleted 4th stem bullet</p>
10	H	3												B	S	
11	F	3												B	S	
12	H	2										X		M	U	K/A mismatch - This question tests rules of EOP usage, not AFW. New question written
	H	2												N	S	Rewritten question is SAT
13	H	2				X								B	U	<p>Answer seems obvious given a transfer is stated to have occurred and alarm is in (A1 and C1 is not plausible)</p> <p>Changed stem to say a failure to 0 VAC occurred (removed transfer)</p> <p>Changed 2nd stem bullet to "Secondary EO reports 'B' Inverter output voltage is 0 VAC and the Inverter Static Switch is in BYPASS"</p>
14	F	2												B	S	
15	H	2												M	E	Will provide multiple references to choose from (O-6.9, Attachments 2 – 10).
16	F	2												B	E	Change distractor D to "RCS pressure and Pressurizer Level" Added "ONLY" to end of answer choices A and B
17	H	3												B	E	Reworded 3 rd bullet to "'B' CCW Pump and 'B' SW Pump are OOS for repairs"
18	H	2					X							B	U	A2 and C2 are subset for distractors B2 and D2, making C a correct answer as well. New question written
	H	3												M	S	New question is SAT

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19	H	3												B	S	
20	H	2												B	E	Change second bullet to say "automatic charging pump controller fails to output of 100%". Correct answer changed to 'C'
21	F	2												B	S	
22	F	2												N	S	
23	F	3												M	E	Added "Aux Building" prior to "radiation levels" in 1st part of stem
24	F	2												N	E	Clarified 'A' plausibility statement that R-9 is an Area Radiation Monitor Added P-9 as a reference document
25	F	2				X								N	U	A2 and C2 not plausible – continuing cooldown (adding positive reactivity) would not stop source range from rising. Changed part 2 in stem to "What action is required"
26	F	3											X	N	U	2 nd part is SRO level (bases question) Changes second part of question to be RO level
27	H	3												N	E	Modified times to make more realistic to get to ES 0.2 Changed offsite power is tripped to "is lost" Added stem bullet for RCS borted to CSD Changed answer choice 'A' to "12"
28	H	3												N	S	
29	F	2												B	E	Changed given PRZR level in stem to 100%
30	H	2												N	E	Deleted 5 th bullet in stem Changed "piping elbow downstream of V-543" to "valve packing of V-543" in last stem bullet Revised 2nd question statement to "Following CNMT entry, the leakage is classified as leakage"
31	F	2												B	S	
32	H	2												B	S	

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33	H	1				X								M	U	B2 and D2 are not plausible due to single failure criterion Added stem bullet for 'C' SIP MOV failure to failed SI line Clarified 2nd part of question to specify which SI line fails Added "an RCS Hot Leg" prior to LOCA in 1st stem bullet
34	F	2												M	E	Changed answer choices 'A(2)' and 'C(2)' to "prevent thermal shock to PRT spray nozzles" Added "in accordance with applicable plant procedures" to end of 1st part of stem question
35	F	3												N	E	Changed 4 th bullet to stable level
36	H	3												M	E	Deleted "<" signs
37	H	3												N	S	
38	F	3												M	S	
39	H	2												N	E	Removed first part of stem "with regards" statement.
40	F	2												N	E	BOLDed "Both" in answer choice 'C' BOLDed "None" in answer choice 'D' Deleted AOV-427 stem bullet
41	F	2												B	S	
42	F	3												B	E	Deleted stem information Changed COG level to LOW
43	H	2												B	E	Distractor C not plausible. Changed answer choice 'C' to "BA FCV fails to a higher setting during normal makeup" Changed answer choice 'D' to "EO places S/G blowdowns in service at 60 gpm"
44	H	1				X								N	U	Problem with justification of distractor b stating "stable at 340 psig". C1 and D1 not plausible (rising level) due to FRVs are in Manual as stated in stem, and pumps are lowering. Changed answer choices 'C(1)' and 'D(1)' to "stable" Added "FIRST" prior to "automatic action" in 2nd part of stem question

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45	H	2				X								N	U	A1 and B1 not plausible – stem says no AC power Changed 1st stem bullet to “100/0 Electric plant lineup” Added bullet “loss of Offsite Ckt 767” Added stem bullet “Offsite Power Circuit 7T is out-of-service for maintenance”
46	H	2												B	S	
47	H	3												M	E	Removed statement about B EDG powering bus 16, as this informs question 57.
48	F	2												B	E	Revised question and answer formatting/wording Added “WILL/WILL NOT” following “Buses” in question statement Changed “MCCs” to “MCC loads” in question statement
49	H	3												N	E	Added bullet at end “B’ EDG becomes available” Changed 2nd stem bullet time to “one minute”
50	F	3												B	S	
51	F	3												B	S	
52	F	2												B	E	Changed “valves” to “MOVs” throughout question and answer choices
53	H	3				X								N	U	“Plant trips due to a SGTR” is not operationally accurate. B2 and D2 not credible. Changed “Plant trips” to “Operating crew trips the plant” in 2nd stem bullet Changed answer choices ‘B(2)’ and ‘D(2)’ to “to allow operation of PRZR PORVs” Revised plausibility statements ‘B’ and ‘D’ Added bullet for ‘A’ EDG loaded onto Safeguards Buses
54	F	3												M	S	
55	H	3												B	E	Changed 2nd question statement to “the design function accomplished by a CI signal” Deleted 4th stem bullet
56	H	1										X		B	U	SRVs are never isolable per ASME Code. New question written
	F	3												B	S	New question is SAT with the following changes made:

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																Added "from overpressure" following "plant protection" in question statement Changed "No effect" to "The plant will not exceed the RCS Pressure Safety Limit" in answer choices 'A' and 'B' Added "provided Pressurizer Safety Valve V-434 operates as designed" to end of answer choice 'D' Changed "plant protection from overpressure" to "the Ginna Accident Analysis" in question statement Added stem bullet "Pressurizer Safety Valve V-434 will operate as required" Revised answer choices 'A', 'B', and 'C' Revised plausibility statements 'A' and 'B'
57	H	2				X								M	U	Question #47 stem tells me B EDG powers bus 16, so B or D are correct (a and c not plausible). Edited question 47.
58	H	1				X								N	U	B and D would only be plausible if candidate did not know that there was an A EDG. Added stem bullet "A' EDG is being prepared for post maintenance testing and is INOPERABLE and available Changed 'B' EDG stem bullet to make unavailable Added bullet "Preparations are being made to shutdown the plant iaw ITS 3.0.3" Changed last stem bullet to "Offsite Power was lost one minute ago Changed "aligned" to "in its normal alignment" in 3rd stem bullet for 'A' EDG status Changed "Fuel Pump" and "Offsite Power" to lower case
59	F	2												B	S	
60	H	2				X								N	U	a1 and b1 not plausible Replaced answer choices 'A' and 'B' Deleted 1st part of question and answer choices Revised plausibility statements Revised question statement wording Revised answer choices so that each is a single action Revised plausibility statements
61	F	3												B	S	
62	F	2										X		N	U	K/A Mismatch -, question does not test FHS/RCS. New question written
	F	2												N	S	New question Is SAT

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63	H	2												N	E	Changed 2nd stem bullet to "Both MSIVs spuriously CLOSE" Added "will" prior to "stabilize" in stem question statement
64	H	2												N	E	Added stem bullet "'A' Circ Water Pump was started prior to the release beginning" Added "'A' Circ Water Pump and" following "if" in 2nd question statement
65	F	3												B	S	
66	F	2												B	S	
67	F	3												N	E	Choice 2 in stem is implausible, which leads to only choice as right answer. Changed item #2 following stem question to "RCS TAVG" and plausibility statements
68	F	2												B	S	
69	F	2												B	S	
70	F	1		X										B	U	Answer is obvious, new question written
	F	2												N	S	New question is SAT with the following change: Added "in accordance with A-3, Containment Vessel Access Requirements" to end of last stem bullet
71	H	3												B	E	B and D justifications edited for clarification
72	F	2												B	S	
73	F	3												N	S	
74	H	3										X		N	U	K/A mismatch, new question written
	F	2												N	S	New question is SAT with the following change: Changed "Satellite" to "Cellular" and revised plausibility statement 'D'
75	F	3												N	S	

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76	H	2	X											B	E	Deleted "1331" bullet Removed stem bullet regarding HCO actions Changed question statement to "If the given plant conditions remain unchanged, which ONE of the following are the required action(s) to be taken IMMEDIATELY?"
77	H	3	X											N	E	Deleted last stem bullet Added "prior to exiting the appropriate AP" to end of 2nd part of stem question
78	H	3										X		B	U	K/A mismatch because Q does not address FR-S.1 entry conditions. New question written.
	H	3												N	S	New question is SAT
79	H	3	X											N	E	Changed "EMD" to "Electrical Maintenance" in last stem bullet Added "To comply with ITS," to beginning of 2nd question statement
80	F	2										X		N	U	K/A mismatch Provided O-6.9, Attachments 2 – 10, as reference provided Changed MVARs to "+280" from "+260" in 4th stem bullet Revised 1st part of question statement to "The Main Generator Voltage Regulator WILL / WILL NOT trip to MANUAL after a time delay" Revised 1st part of answer choices to "WILL" or "WILL NOT" Revised 2nd part of question statement to "IF the Main Generator voltage regulator trips to MANUAL, THEN RG&E Energy Control Center must be notified within to meet a North American Electric Reliability Corporation (NERC) requirement" Changed correct answer to 'A' Revised plausibility statements
81	F	2										X		B	U	KA mismatch because Q does not address loss of recirculation. New question written.
	H	2												N	S	New question is still UNSAT – is not written at SRO level. Final question is SAT
82	H	3	X											N	E	Added bullet "I&C reports stationary coil fuses for control rod G-3 are blown"

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																Changed 4th stem bullet to "Bank 'D' control rod G3 is indicating 216 steps on MRPI" Added "and its" prior to "Bases" in stem question statement Changed N-42 failure to "high" in stem bullet Swapped order of 6th and 7th stem bullets Added "the" prior to "safety analysis" in 2nd question statement Revised plausibility statements to clarify difference between 12 steps (ITS limit) and 25 steps (safety analysis)
83	H	2	X											B	E	Deleted "In accordance with FR-S.1 and ER-CVCS.1" in stem question Added "in accordance with FR-S.1" to end of answer choices 'B' and 'C' Added "in accordance with ER-CVCS.1" to end of answer choices 'A' and 'D'
84	H	2												B	S	
85	H	2												B	S	
86	H	3												M	S	
87	H	2				X								N	U	No indications of a LOCA in the stem, so B2 and D2 are not plausible. Changed "ES-1.2" to "ES-0.1" in answer choices 'B(2)' and 'D(2)' and revised plausibility statements
88	H	2	X											N	E	Changed "FT-477" failure to "low"
89	H	2	X											N	E	Deleted statement prior to stem questions Added "in accordance with ER-FIRE.1" to end of answer choices 'A(1)' and 'C(1)' Moved valve nomenclature from answer choices to NOTE Added "Close V-4002 and" to beginning of 2nd part of answer choices 'A' and 'B' Changed CST level in stem to "3 feet" from "4 feet" Added stem bullet for "TDAFW flow oscillating" Added "first" to 1st question statement
90	H	2												N	E	Changed 2nd stem bullet to "IAC 'C' has tripped and can NOT be restarted" Revised 3rd stem bullet to "Secondary EO reports a large air leak on the Instrument Air Dryer 'B' Prefilter housing"

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91	H	2												B	E	Deleted AFW flow stem bullet
92	F	3												N	S	
93	H	2												N	S	
94	F	2												N	S	
95	F	3										X		B	U	KA mismatch as Q does not address conservative decision making. New question written
	F	2												N	S	New question is SAT with the following changes: Changed "2360" to "2380" in answer choice 'D' Revised question statement to be in accordance with OPG-OPERATIONS-EXPECTATIONS Replaced answer choices 'A' and 'B' Re-arranged answer choices for psychometrics Revised plausibility statements
96	F	3											X	B	U	Question is not SRO level – only requires general knowledge of tagging process Edited question to include testing of SRO approval level in the tagging process.
97	H	3												B	S	
98	F	3												B	S	
99	F	1												N	S	
100	F	3												B	E	Deleted "Approval of" in answer choice 'B' Changed answer choice 'C' to "Authorization of emergency exposure controls in excess of 5 Rem TEDE" to match wording in EP-AA-1000