

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. B/M/N	7. U/E/S	8. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Back-ward	Q=K/A	SRO Only			
1	H	2												N	S	
2	H	2												N	S	
3	H	2												N	S	
4	F	3												N	S	
5	H	2	X											N	E	Typo in 3 rd bullet (Reactor vs React). Add "ONLY" to A1& B1.
6	H	2												N	S	
7	F	2												N	S	
8	H	2	X				D							B*	E	Replace D.

Instructions

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

1. Enter the level of knowledge (LOK) of each question as either (F)undamental or (H)igher cognitive level.
2. Enter the level of difficulty (LOD) of each question using a 1 – 5 (easy – difficult) rating scale (questions in the 2 – 4 range are acceptable).
3. Check the appropriate box if a psychometric flaw is identified:
 - The stem lacks sufficient focus to elicit the correct answer (e.g., unclear intent, more information is needed, or too much needless information).
 - The stem or distractors contain cues (i.e., clues, specific determiners, phrasing, length, etc).
 - The answer choices are a collection of unrelated true/false statements.
 - The distractors are not credible; single implausible distractors should be repaired, more than one is unacceptable.
 - One or more distractors is (are) partially correct (e.g., if the applicant can make unstated assumptions that are not contradicted by stem).
4. Check the appropriate box if a job content error is identified:
 - 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).
 - 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).
 - The question contains data with an unrealistic level of accuracy or inconsistent units (e.g., panel meter in percent with question in gallons).
 - The question requires reverse logic or application compared to the job requirements.
5. Check questions that are sampled for conformance with the approved K/A and those that are *designated SRO-only* (K/A and license level mismatches are unacceptable).
6. Enter question source: (B)ank, (M)odified, or (N)ew. Check that (M)odified questions meet criteria of ES-401 Section D.2.f.
7. 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?
8. At a minimum, explain any "U" ratings (e.g., how the Appendix B psychometric attributes are not being met).

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9	H	2	X											N	E	Pictures need to be bigger/clearer.
10	F	2				B								N	E	B is a weak distractor. Replace.
11	F	2	X											B	E	Clarify 3 rd bullet and reword 2 nd Q.
12	H	2												B*	S	
13	H	2	X											N	E	Delete 3 rd bullet.
14	F	2	X											N	E	Add "ONLY" to A1 & C1.
15	F	2												B	S	
16	H	2	X											N	E	Add IAW FR-H.1 to 2 nd Q. Ensure only one possible answer.
17	F	2				B/D								B	U	B1/D1 not plausible for ECA-1.1 condition. Replace.
18	F	3	X											N	E	Replace "reason" with "coincidence and logic".
19	F	2	X											N	E	Reduce wording.
20	F	2												N	S	
21	F	2	X											N	E	Minimize wording in stem.
22	F	3				C								N	E	Modify first part of C (i.e., perform power reduction).
23	H	3												N	S	
24	F	2												B	S	
25	H	2												B	S	
26	H	2	X											M	E	Remove recirc spray pumps from choice D.
27	F	2												B	S	
28	H	2												B	S	

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29	H	2	X											B	E	1st set of bullets not necessary. Delete.
30	H	2	X											B	E	Minimize/reword for clarity.
31	H	2	X				B,C							B	U	Just say blockage occurs in Hx. Replace B & C.
32	F	2	X											N	E	Remove "coincidence/coincident" from Q. Add "signal".
33	H	2												B	S	
34	H	2												N	S	
35	F	3	X		X									N	U	Eliminate bullets. Address T/F statements. Reword.
36	H	2	X											B	E	Make answer be something other than "Steam is Saturated".
37	H	2	X											N	E	Change Q to diagnose spray valve being open.
38	F	3												B	S	
39	H	3												B	S	
40	F	2												N	S	
41	F	2					B,D							B	U	Eliminate 4 th item. Not plausible that that valve would close.
42	F	2					B							N	E	Steam dumps not addressed by TS. Replace with TS-related item.
43	H	2	X											B	E	Delete parenthetical phrase.
44	F	2	X											N	E	Add wording to A to have the same length as other distractors.
45	F	2												N	S	
46	H	2												B	S	
47	H	2												N	S	
48	H	2												N	S	

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49	F	3												B	S	
50	F	3	X											N	E	Add "at least" to 2 nd part to eliminate possible subset issue.
51	H	2												M	S	
52	F	2	X											N	E	Re-word question for simplicity.
53	H	2												N	S	
54	H	2												B	S	
55	F	2												B	S	
56	H	2												N	S	
57	H	2												N	S	
58	H	2	X											N	E	Reword Q for simplicity.
59	F	2												B	S	
60	F	2	X											N	E	L vs H. Specify time frame.
61	H	2												N	S	
62	H	3	X											N	E	Clarify statement about ineffective control room actions. Replace C.
63	F	2												N	S	
64	H	2							X					N	U	There are 4 or 5 other GFE-type Q's on exam. Reselect.
65	F	2												N	S	
66	F	2	X											B	E	Capitalize a word in each distractor.
67	H	3												N	S	
68	F	2	X											B	E	Spell out RPS.

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69	F	2												B	S	
70	F	2												B	S	
71	H	2												B	S	
72	F	2												B	E	
73	F	2				D								N	E	D not plausible.
74	H	3												B	S	
75	H	2												N	S	
																H=39 ->52% F=36 ->48% U=5 ->6.7%
76	H	2	X											N	E	Provide indications of RCP trip criteria. Minimize wording.
77	H	2												N	S	
78	H	2										X		N	U	Q can be answer with systems knowledge. Reword or reselect.
79	H	3												B	S	
80	H	3	X											N	E	Delete "3.5.1". Add "at latest" to specify time frame.
81	H	2												B	S	
82	H	2	X											N	E	System Q with and EAL twist. Reword or reselect.
83	F	2												N	S	
84	H	2												B	S	
85	H	2												B	S	
86	F	2												N	S	

