

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	F	3												N	S	
4	H	2	X									X		B	U	Fix wording in B; Negative testing on KA. Replace Q.
5	F	2				D								B	E	Replace/modify D
6	H	3												B	S	
7	H	3				D								N	E	Modify D
8	F	2												B	S	

Instructions

[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 using a 1 – 5 (easy – difficult) rating scale (questions in the 2 – 4 range are acceptable).
- 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).
- 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.
- 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).
- Enter question source: (B)ank, (M)odified, or (N)ew. Check that (M)odified questions meet criteria of 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" ratings (e.g., how the Appendix B psychometric attributes are not being met).

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9	H	2												B	S	
10	H	2												B	S	
11	H	2	X											N	E	Delete 7 th bullet
12	H	3	X											B	E	Create 3 columns to clean up choices.
13	F	2					A							B	U	Is A technically correct? Modify A.
14	H	3	X											N	E	Put rods in manual.
15	F	4												N	S	
16	H	2	X			D								N	E	Replace D
17	H	3												N	S	
18	H	2												B	S	
19	H	3												M	S	
20	H	2												B	S	
21	H	2	X											B	E	Typo in C – bypasses vs bypass
22	F	1												N	U	Low LOD. Modify distractors to be more discriminating.
23	H	2												B	S	
24	F	4	X											N	E	Modify B, C, D.
25	H	4												B	S	
26	F	4												B	S	
27	H	2												B	S	
28	H	2	X											B	E	Make first bullet a complete sentence.

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29	H	2	X											N	E	Indicate xenon-free conditions.
30	F	2												B	S	
31	H	1												N	U	Low LOD. Replace Q.
32	F	2	X											B	E	Modify A to include a numerical value.
33	F	3				C,D								M	U	Why check pressure to check if cooling is needed? Replace C&D.
34	F	2												B	S	
35	H	1												N	U	Low LOD. Replace Q.
36	H	2												N	S	
37	H	2												B	S	
38	H	3												B	S	
39	H	3	X											B	E	Is 7 th bullet necessary? Delete. Add CNMT pressure.
40	H	3	X											B	E	Typo in 3 rd bullet – Tech vs tech
41	H	2												M	S	
42	F	2												N	S	
43	H	2	X											N	E	Capitalize <u>C</u> harging
44	H	3												B	S	
45	H	2												M	S	
46	H	2												N	S	
47	F	3	X											B	E	Change "does" to "will" in B, C, D
48	H	2												N	S	

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49	H	2	X											B	E	What is purpose of 3 rd bullet? Delete
50	H	2												B	S	
51	H	2												B	S	
52	F	2												M	S	
53	H	2												N	S	
54	F	3	X									X		B	U	Provide initial plant conditions? KAMM – IAS / CAS. Reselect.
55	H	2												B	S	
56	H	2												B	S	
57	F	3	X											B	E	Possible subset issue – reword Q.
58	H	3	X											N	E	Make bullets full sentences.
59	F	2	X											N	E	Create choices grounded in factual data. 2,3,4,5. Add IAW.
60	F	2				D								N	E	Replace D – provide input
61	F	2												N	S	
62	F	3												N	S	
63	H	3												B	S	
64	H	3												N	S	
65	H	2												N	S	
66	H	3												N	S	
67	F	2												B	S	
68	F	3												B	S	

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69	H	2	X											B	E	Replace EOL with burn-up data.
70	F	2												B	S	
71	H	2												B	S	
72	H	2												B	S	
73	F	2				C,D								M	U	Replace C & D or modify Q. Subset issue due to "less than."
74	F	2												B	S	
75	F	2	X			C,D								B	U	Provide initial conditions. Clarify C & D for plausibility
76	F	3												N	S	
77	H	2	X											N	E	Add ECA-1.2 to another distractor.
78	H	2				A								B	E	Replace A – why go to E-1 for EFW flow issue?
79	H	2												B	S	
80	H	2				A								N	E	Replace A
81	H	2	X											B	E	Delete 5 th bullet to avoid confusion.
82	H	2	X			D								N	E	Modify D.
83	H	2	X			D								N	E	Add "basis" to stem. Replace D.
84	H	3												B	S	
85	H	2												B	S	
86	H	2	X			C								N	E	Remove "should" from stem. Replace C.

[illegible]