

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	Backward	Q=K/A	SRO Only			
1	F	2												N	S	
2	H	3	X											N	E/S	Add IAW procedure in stem/ <a href="#">Added</a>
3	H	3	X											N	E/S	Change "has" to "have" in stem/ <a href="#">Changed</a>
4	H	2	X			X								N	E/S	Clarify Stem/ <a href="#">Clarified</a>
5	H	3				X								B	E/S	Get rid of (ONE); Change D/ <a href="#">Revised</a>
6	H	3												N	S	
7	F	3												N	S	
8	H	2	X			X								N	E/S	Change "negative" to "significant"/ <a href="#">Changed</a>
9	H	3		X								X		N	U/S	If "C" was correct, so would "A"; A is "none of the above"; K/A mismatch/ <a href="#">Replaced</a>
10	H	3	X											N	U/S	U as written-normal paths are available at 100% power / <a href="#">Rewritten</a>

**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).

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	Backward	Q=K/A	SRO Only			
11	H	2				X								N	S	
12	F	2		X										N	S	
13	H	3												M	S	
14	H	3				X								N	E/S	A not credible/Replaced A
15	H	2												N	S	
16	F	3	X											N	E/S	Add IAW Procedure/Added
17	H	3	X									X		N	U/S	K/A mismatch/Replaced
18	H	4												N	S	
19	H	2												N	S	
20	F	2					X							N	U/S	Two correct answers/Revised C
21	F	2					X							N	S	
22	H	3												N	S	
23	H	4	X											N	S	
24	H	3	X			X								N	E/S	Add Procedure in stem; Change A/Revised
25	F	3												N	S	
26	F	2	X											B	E/S	Get rid of (ONE) in stem/Revised
27	H	4										X		M	U/S	K/A mismatch/Replaced
28	H	4												N	S	
29	F	2				X								N	E/S	A not credible/Replaced A
30	F	2												N	S	
31	F	2	X			X								B	U/S	Only two credible distracters (C&D)/Revised
32	H	4				X								N	E/S	Place "only" and "both" in Caps in stem/Revised
33	H	3												B	S	
34	H	2	X				X							N	U/S	Two correct answers (C&D)/Revised
35	H	2	X											N	E/S	Change "a high" to "of a high" in stem/Revised

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	Backward	Q=K/A	SRO Only			
36	H	3												M	S	
37	H	2				X								N	U/S	Only two plausible answers with "maximum of one" in stem/ <a href="#">Revised Stem</a>
38	F	2												M	S	
39	F	3												B	S	
40	H	3												N	S	
41	H	3	X											N	E/S	Put minimum in Caps in stem/ <a href="#">Revised</a>
42	F	3	X			X								N	U/S	C&D both correct + A not credible/ <a href="#">Revised</a>
43	H	3	X											N	E/S	Change "would" to "should" in stem; Add procedure; clarify correct answer/ <a href="#">Revised</a>
44	H	3	X				X							M	U/S	Add caused by and clarify stem, spell out acronyms; A also correct answer/ <a href="#">Revised</a>
45	H	2												B	E/S	Submitted as "modified," but really "bank"/ <a href="#">Changed</a>
46	H	4												B	E/S	Submitted as "modified," but really "bank"/ <a href="#">Changed</a>
47	H	2												B	E/S	Submitted as "modified," but really "bank"/ <a href="#">Changed</a>
48	F	2	X											N	U/S	No correct answer as written/ <a href="#">Replaced</a>
49	H	3												N	E/S	Clarify "note" for D/ <a href="#">Clarified</a>
50	F	2												B	U/S	Only A & D are plausible/ <a href="#">Revised</a>
51	H	3	X											N	U/S	Answer is in stem/ <a href="#">Replaced</a>
52	F	2												M	S	
53	F	2												B	E/S	Submitted as "modified," but really "bank"/ <a href="#">Changed</a>
54	H	2												N	S	
55	H	3												B	S	
56	H	2												N	S	
57	F	2												N	S	
58	F	2	X											B	E/S	Submitted as "modified," but really "bank"; Add "as a minimum" to stem / <a href="#">Changed</a>
59	H	2												N	S	
60	H	3				X								N	E/S	A "none of the above" – Replace A/ <a href="#">Replaced</a>

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	Backward	Q=K/A	SRO Only			
61	H	3	X											N	E/S	Add "during startup" in stem/Added
62	F	2												N	S	
63	H	3												B	S	Submitted as "modified," but really "bank"/Changed
64	H	3				X								N	E/S	A "none of the above"/Replaced A
65	H	3												N	E/S	B & C change to "minimizing," add valve number to B/Revised
66	F	2												N	S	
67	F	2												N	S	
68	F	2												B	S	Submitted as "modified," but really "bank"/Changed
69	F	4					X							B	U/S	B, C, and D are all correct/Replaced
70	F	2												N	S	
71	H	3												M	S	
72	F	2				X								N	E/S	A not credible/Replaced
73	H	3				X								N	U/S	B & D not credible/Revised
74	F	2				X								N	U/S	Correct answer obvious/Replaced
75	H	2												N	S	
76	H	2										X	N	S		
77	F	3				X							X	N	E/S	Delete "(One)" make "first" in caps in stem, A&B same answer (change one) /Revised
78	H	3											X	N	S	
79	H	3	X			X							X	N	E/S	Add "maximum" and "must" in stem/Added
80	F	3		X									X	N	U/S	Answer is in stem/Replaced
81	H	4											X	N	S	
82	H	2	X										X	B	E/S	Submitted as "modified," but really "bank," delete "(One)"/Changed & Deleted
83	H	3	X										X	N	E/S	Delete "due to the loss of power" in stem (cues answer)/Revised
84	F	2				X							X	N	E/S	A "none of the above"/Revised
85	H	3	X										X	M	E/S	Add IAW procedure in stem/Revised

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	Backward	Q=K/A	SRO Only			
86	H	2	X										X	N	E/S	Change "will" to "should" in stem/Revised
87	H	3											X	N	S	
88	H	2	X				X						X	N	U/S	C & D not credible/Replaced
89	F	2					X						X	N	U/S	C & D not credible/Replaced
90	H	4	X	X			X						X	N	U/S	C & D not credible/Revised
91	H	3											X	M	S	
92	H	2	X				X						X	N	E/S	"can" to "is" allowed in distracters/Revised
93	H	3											X	N	S	
94	F	3					X						X	N	U/S	B & D not credible/Revised
95	F	2											X	M	E/S	"ask" to "asked" in stem/Revised
96	F	2					X						X	M	U/S	C & D not credible/Replaced
97	H	4					X						X	N	E/S	Change second half of question to "allowed" and "not allowed"/Changed
98	H	3											X	N	E/S	C- "lineup" to "lineups"/Revised
99	F	2											X	N	S	
100	H	3	X										X	N	E/S	Change "will" and "would" to "should" in distracters/Revised