

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	F	3										Y		B	S	
2	H	3										Y		B	S	
3	H	3										Y		M	S	
4	F	2										Y		N	S	
5	F	2										Y		B	S	
6	H	3				X						Y		B	E	D not plausible. Revised answer choice
7	F	2										Y		B	S	
8	F	3										Y		N	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	3											Y		N	S	
10	H	3											Y		B	S	
11	F	2											Y		B	S	
12	F	3											Y		B	S	
13	H	3											Y		N	S	
14	H	3				X							Y		N	U	A and C answer choices not credible; replaced A and C answer choices
15	H	3											Y		N	S	
16	H	3											Y		B	S	
17	H	3											Y		N	E	Picture details not clear; replaced picture with lights and alarm descriptions
18	H	3											Y		M	S	
19	F	3											Y		B	S	
20	H	3											Y		N	S	
21	H	3											Y		B	S	
22	F	2				X							Y		N	U	B and C not plausible. Rewrote answer choices and revised format
23	H	3											Y		N	S	
24	H	3											Y		B	S	
25	H	3											Y		B	E	Removed embedded reference; instead, provided op-aid as handout
26	H	3											Y		N	S	
27	F	2											Y		N	S	
28	H	3											Y		N	S	
29	F	3											Y		N	S	

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30	H	3										Y		B	S	
31	F	3										Y		B	S	
32	F	2										Y		M	S	
33	F	2										Y		B	S	
34	H	3										Y		N	S	
35	H	3										Y		N	S	
36	H	3										Y		B	S	
37	H	3										Y		B	S	
38	H	4										Y		B	U	Q content too similar to Q31; rewrote Q
39	H	3										Y		N	S	
40	F	2										Y		B	S	
41	H	3										Y		B	S	
42	H	3										Y		N	S	
43	H	3				X						Y		B	E	C not plausible; rewrote C distractor
44	H	3										Y		N	S	
45	F	2										Y		N	S	
46	H	3										Y		B	S	
47	F	3										Y		N	S	
48	H	3										Y		B	S	
49	H	3										Y		B	S	
50	H	3										Y		B	S	
51	F	2										Y		B	S	
52	H	3										Y		N	S	
53	F	2										Y		B	S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
54	H	3										Y		N	S	
55	F	2										Y		B	S	
56	H	3										Y		N	S	
57	H	3										Y		N	S	
58	F	2										Y		B	S	
59	F	2										Y		B	S	
60	H	3										Y		B	S	
61	H	3										Y		B	E	Removed 2nd column answer choices because not needed to answer Q
62	F	2										Y		B	S	
63	F	2										Y		N	S	
64	H	3										Y		B	S	
65	H	3										Y		B	S	
66	F	2										Y		B	S	
67	F	2							X			Y		B	U	SRO level Q; 55.43(b)(7) content; replaced k/a and wrote new Q
68	F	2										Y		B	S	
69	F	2										Y		B	S	
70	H	3										Y		B	S	
71	H	3										N		B	U	Q does not match tier 3 generic guidance; rewrote Q
72	F	2										Y		B	S	
73	F	2										Y		N	S	
74	F	2										Y		B	S	
75	F	2										Y		B	S	
76	H	4										Y	S	N	S	

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77	H	4										Y	N	N	E	C and D added procedural reference
78	H	3										Y	S	B	S	
79	H	4										Y	S	N	S	
80	H	4										Y	S	N	S	
81	H	3										Y	S	B	S	
82	H	4										Y	S	B	S	
83	H	4										Y	S	N	S	
84	H	4										Y	S	B	S	
85	F	3										Y	S	B	S	
86	H	4										Y	S	N	S	
87	H	4										Y	S	N	S	
88	H	4										Y	S	B	S	
89	H	3										Y	S	B	S	
90	H	3										Y	S	B	S	
91	H	4										Y	S	B	S	
92	H	4										Y	S	N	S	
93	H	3										Y	S	B	S	
94	F	3										Y	S	B	S	
95	F	3										Y	S	N	S	
96	H	3										Y	S	M	S	
97	H	3										Y	S	B	S	
98	H	4										Y	S	N	S	
99	F	3										Y	S	B	S	
100	F	3										Y	S	B	S	