

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	H	2											N		B	U	K/A MM
2	F	1				X							Y		N	U	LOW LOD AND TWO IMPLAUSIBLE DISTRACTERS
3	H	3											Y		B	S	
4	H	3											Y		B	S	
5	H	3											Y		N	S	FIX TYPO in A
6	F	2											Y		B	S	Add details to Stem; FIX TYPO in D
7	H	2											Y		M	S	
8	H	3											Y		M	E	ADD TIME AFTER SI SIGNAL CLEARED

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	4										Y		B	S	
10	H	3										Y		B	E	Add which AOP to Stem
11	F	3										Y		B	S	REMOVE "TOTAL" FROM STEM
12	H	3				X						Y		N	E	ONE IMPLAUSIBLE DISTRACTOR, REWORD DISTRACTOR "C"
13	H	2										Y		B	S	Fix typo in stem
14	F	2										Y		B	S	
15	F	3										Y		N	S	EDITORIAL CORRECTIONS in C
16	H	1										Y		B	U	LOW LOD, Change B&D
17	F	2										Y		B	S	
18	F	2				X						Y		N	E	ONE IMPLAUSIBLE DISTRACTOR AND FIX TYPO
19	H	3				X						Y		B	E	ONE IMPLAUSIBLE DISTRACTOR D
20	H	2										Y		N	S	
21	F	2										Y		B	S	
22	F	2				X						Y		B	E	REWORD DISTRACTOR "B"
23	H	2				X						Y		B	E	REWRITE DISTRACTOR "D"
24	H	2										Y		B	S	
25	H	2				X						Y		B	E	REWORD DISTRACTOR "A"
26	H	3				X						Y		B	S	RESOLVE DISCREPANCY DISTRACTOR "C"
27	F	2										Y		B	S	
28	H	2										Y		B	S	

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29	H	3											Y		N	S	
30	F	2											Y		B	S	
31	F	2											Y		B	E	A&D MAKE 2X2 FORMAT
32	H	2											Y		B	S	ADD" IAW PROCEDURE XXX" TO STEM; FIX TYPO
33	F	2											Y		N	S	EDITORIAL FIX
34	F	2				X							Y		B	U	Two implausible distractors
35	H	2				X							Y		N	E	TWO IMPLAUSIBLE DISTRACTORS ; replace B
36	F	3													N	S	
37	F	1													B	U	LOW LOD, GFE KNOWLEDGE ONLY
38	H	2													M	S	
39	H	3													N	E	REWORD STEM, check value in C
40	H	2													B	E	DELETE "IS" FROM STEM. REPLACE "PREDICT" WITH "WHAT IS"
41	F	2													N	E	Provide appropriate valve numbers vice actuations
42	F	2				X									N	E	ONE IMPLAUSIBLE DISTRACTOR CORRECT TYPO IN STEM and A
43	H	2				X							N		N	U	K/A MM; TWO IMPLAUSIBLE DISTRACTORS
44	H	2													N	E	Change superheat to ICC
45	H	2													B	S	
46	H	4													N	S	
47	F	2													N	S	
48	F	2													B	S	

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49	H	2										Y		B	S	
50	H	2										Y		B	S	
51	H	2				X						Y		N	E	ONE IMPLAUSIBLE DISTRACTOR 'A'
52	F	2												N	S	
53	H	3												N	S	
54	F	2												N	S	
55	H	2												N	S	
56	H	2												B	S	
57	F	2												B	S	
58	F	1												N	U	LOD 1
59	F	3												N	S	
60	H	2												N	S	
61	H	2												B	S	Possible modify 'A'
62	F	2												B	S	
63	F	2												B	S	
64	H	2												N	S	
65	H	2										N		B	U	K/A MM
66	F	2												N	S	
67	F	2												B	S	
68	H	3												B	S	

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69	F	2												B	S	
70	H	2												N	S	
71	F	2												M	E	REWORD DISTRACTOR C & D
72	F	2				X								B	E	ONE IMPLAUSIBLE DISTRACTOR 'C'
73	F	3												M	S	
74	F	2												B	S	
75	F	4												B	S	Editorial
76	H	2										Y	N	B	U	AOP Entry condition is only knowledge needed.
77	H	2										Y	Y	N	S	Editorial fixes
78	H	2										Y	Y	N	S	Correct Typo
79	H	4										Y	Y	B	E	Resolve HUR question
80	F	3										Y	Y	N	E	Editorial fixes
81	H	1										Y	N	M	U	Low LOD. Knowledge of mitigation strategy required
82	H	1										N	Y	N	U	K/A MM; Low LOD
83	H	2										Y	Y	B	S	
84	F	2				X						Y	Y	B	E	D implausible
85	H	3										Y	Y	N	E	Needed clarifications
86	H	2										Y	Y	N	S	

