

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	3					X							B	US	Two correct answers MODIFIED DISTRACTERS
2	F	2												N	ES	ADDED "AUTOMATICALLY"
3	F	2												B	S	
4	H	3				X								B	ES	B and C same answer REVISED B
5	H	3												B	ES	Define Stem DEFINED STEM
6	H	3				X								N	ES	B not credible REVISED B
7	F	2												N	ES	Add level ADDED
8	F	2												N	S	
9	F	2												B	S	
10	F	2												B	ES	Change "A" to "one" in A and B – fix margin REVISED

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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11	H	2												N	S	
12	H	3				X								N	ES	Change D to be consistent with C REVISIED
13	F	2												B	S	
14	H	2												N	ES	D- "an" to "a" REVISIED
15	H	4												B	ES	Modify stem from <19% to actual level MODIFIED
16	H	3												N	ES	Fix typo FIXED
17	H	3												N	ES	Fix typo FIXED
18	H	3												B	S	
19	F	2				X								B	ES	Change to 2 140's and 2 504's for consistency REVISIED
20	H	4		X			X							N	US	Two correct answers REPLACED
21	H	3		X		X								B	US	Answer in stem REVISIED
22	H	2				X								N	ES	Change correct answer to be less obvious CHANGED
23	F	2												B	S	
24	F	2												B	S	
25	H	2												N	S	
26	H	3												N	S	
27	H	3												N	S	
28	F	2												N	S	
29	F	4				X								M	US	Unnecessary info in stem makes question 50/50 – REMOVED UNNECESSARY INFO
30	H	3				X								B	US	Correct answer obvious REVISIED
31	F	3				X								N	ES	D not plausible REVISIED
32	H	3				X								B	ES	Modify A for consistency MODIFIED
33	F	2												N	ES	Fix typo FIXED
34	F	2												N	S	

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35	H	2												B	S	
36	H	3												B	S	
37	H	3												N	ES	Add EOI in stem ADDED
38	H	2												B	ES	Get rid of "modulate" in C REVISED
39	H	3												B	S	
40	H	2												B	S	
41	H	3												B	S	
42	H	2												B	ES	Get rid of underline in stem REVISED
43	H	2				X								B	US	B and D not plausible MODIFIED
44	H	2												N	ES	D not plausible MODIFIED
45	H	2				X								N	ES	Change C to be consistent with others MODIFIED
46	H	2												B	S	
47	H	2												B	ES	Clarify ESDE CLARIFIED
48	H	4												B	S	
49	H	3												B	S	
50	H	3												B	S	
51	H	3												N	S	
52	H	3												N	ES	Fix typo FIXED
53	H	3												N	S	
54	F	3				X								M	ES	Modify distracters to use actual values MODIFIED
55	F	2				X								B	ES	Modify distracters to remove unnecessary info MODIFIED
56	H	3												N	S	
57	F	2												B	S	
58	H	3				X								N	ES	D mentions a deviation not described in stem MODIFIED
59	F	2				X								N	S	

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60	H	2				X								N	ES	Modify D to make credible MODIFIED
61	F	3	X			X								M	US	No correct answer MODIFIED
62	H	2												N	ES	Add "fully" to dropped ADDED
63	H	2												M	S	
64	H	3				X								N	US	A and C do not address question REPLACED
65	H	2				X								B	US	Only one credible distracter REPLACED
66	F	2				X								N	US	No correct answer REPLACED
67	F	3												B	S	
68	F	2				X								B	ES	D not credible MODIFIED
69	F	2												B	ES	Add "in service" to temporary power ADDED
70	F	3					X							B	US	A and D correct MODIFIED A
71	F	2	X											B	ES	Add 'MINIMUM' to stem ADDED
72	F	2												N	S	
73	F	2				X								B	ES	Modify C and D for consistency MODIFIED
74	F	2	X			X								B	ES	Modify stem and distracters for consistency MODIFIED
75	F	2												B	S	
76	H	3										X		N	ES	Add clarifying info ADDED
77	H	3										X	X	N	US	Question/K/A mismatch REPLACED
78	H	3											X	N	S	
79	H	3					X						X	B	ES	D not plausible REVISED
80	F	3											X	N	S	
81	F	4											X	B	S	
82	F	3											X	B	S	
83	H	4											X	N	S	
84	H	2											X	B	S	

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85	H	2				X							X	B	ES	B not plausible REVISED
86	H	3											X	N	ES	Modify stem – add power level, CDM temperature, remove “delay” and “rising” MODIFIED
87	H	2											X	N	ES	Change psia to psig CHANGED
88	H	4											X	B	S	
89	H	3				X							X	N	ES	Change Mode 5 to temperature in D MODIFIED
90	H	2				X							X	N	ES	Change 7 hours to 6 and 10 in A and D respectively CHANGED
91	H	3	X										X	N	ES	Stem needs a rad level to properly evaluate ADDED
92	H	3										X	X	N	US	Question/ K/A mismatch REPLACED
93	H	3				X	X						X	N	US	Three correct answers REPLACED
94	H	2				X							X	B	ES	B not credible REVISED
95	H	3	X										X	M	ES	Modify stem to ensure only one correct answer MODIFIED
96	F	2											X	B	S	
97	H	2				X							X	B	ES	A not credible MODIFIED
98	F	2				X							X	B	US	No correct answer ALL DISTRACTERS MODIFIED EXCEPT B
99	F	2											X	B	S	
100	F	2											X	B	S	