

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	U	Multiple implausible distractors. Changed stem conditions and reworded distractors.
2	F	2												B	S	Re-categorized as memory level question.
3	F	3												N	E	Single implausible distractor. Wrote new question.
4	F	2												N	E	Re-categorized as memory level question. Minor wording changes in choices.
5	F	2.5												N	E	Reworded to move text from choices into question stem.
6	H	2.5				X								N	U	Multiple implausible distractors. Modified question.
7	H	2.8					X					X		N	U	Multiple potentially correct choices. K/A mismatch. Wrote new question.
8	H	3												B	E	Modified stem data for the actual TS limit. Adjusted choice wording to match TS wording.
9	H	3												B	E	Added explanation of the K/A match. Added component alpha-numeric designator.
10	H	3												M	S	Added to justification to explain this is RO level knowledge. Minor wording change.
11	H	3												N	E	Re-arranged stem information to align with sequence of choices.
12	H	2.4												B	E	Low LOD, weak distractors. Replaced w/another bank Q.
13	H	2.8												N	E	Re-categorized as memory level question. Modified stem wording.
14	F	3												B	E	Re-categorized as memory level question.
15	F	2.5				X								B	E	Single implausible distractor. Re-ordered choices and modified question wording to make distractor plausible.
16	H	3												B	E	Reworded to move text from choices into question stem.
17	H	3												M	E	Good question but poor match. Per Chief Examiner, tied this Tier 1 EPE KA with a more appropriate Section 4 generic KA. Minor wording changes to stem and choices.

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18	H	3												N	S	
19	F	4						X	X					N	U	Low operational validity, minutia. Wrote new Q.
20	F	3												B	E	Re-categorized as memory level question. Reformatted.
21	H	3												N	E	Added to stem as necessary to eliminate possibility of multiple correct answers based on assumptions on conditions not given.
22	H	3												B	S	
23	H	3												N	E	Modified one distractor to make more clearly wrong.
24	F	3												B	S	Added information to justification section.
25	H	3												B	S	
26	F	3				X								B	E	One distractor helps to answer another Q. Replaced the distractor and made other minor wording changes.
27	F	3												N	E	Low plausibility distractors. Modified stem conditions and distractors.
28	F	3												B	E	Moved repetitive information from each of the choices to the stem.
29	H	3												B	S	Added information to justification section.
30	H	3												B	E	Reworded to move information from choices into question stem.
31	H	3												B	S	Minor distractor wording changes.
32	F	3				X								N	U	Multiple implausible distractors. Reworded to move information from choices into question stem. Modified question and distractors.
33	H	3												B	S	
34	H	3												N	E	Question and choices did not align. Modified Q to include control system response. Revised to reduce test item word count.
35	H	3										X		N	U	KA mismatch. Rejected K/A based on oversampling. Wrote new question to match new K/A.
36	H	3												B	S	

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37	H	3												B	E	Reworded to eliminate ambiguity introduced by use of "only and to improve operational validity."
38	H	3												N	E	Reword to move text from choices into question stem and to clarify Q.
39	H	3												B	S	
40	H	2												B	E	Modified Q to increase LOD and provided additional stem conditions to ensure key answer correct regardless of RCS leakage assumptions.
41	H	3												N	S	
42	F	3												B	E	Reworded to move text from choices into question stem.
43	H	2												N	E	Minor wording changes.
44	H	3												B	S	
45	F	3					X							B	E	Potential for multiple correct answers. Added to stem or choices to ensure only one correct answer. Changed one distractor
46	H	3												N	S	
47	H	3												B	S	
48	F	2						X	X					B	U	Minutia. Lacks operational validity. Does not provide adequate basis for licensing decision. Replaced with a bank Q.
49	F	3												B	E	Added information to justification section. Minor formatting changes.
50	F	2.5												N	S	Corrected typo.
51	F	2												N	S	
52	F	1.5												N	U	Low LOD. Wrote a new Q.
53	F	3												N	S	
54	H	3												B	S	Added information to justification section.

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55	F	2												N	S	
56	F	2												N	E	K/A match but low operational validity. Re-select ed the KA. Wrote a new Q.
57	F	2												N	E	Minor wording changes.
58	F	3												B	E	Minor wording changes.
59	F	2												B	E	Minor wording changes.
60	F	2												N	E	Reworded question to improve operational validity.
61	F	2												N	E	Clarified Q. Added additional condition to the stem.
62	F	2												B	S	
63	H	3												B	E	Minor wording change in a distractor choice.
64	H	3												B	E	Added information to justification section.
65	F	3												B	E	Replaced two distractors to improve plausibility.
66	F	2												N	S	Added information to justification section.
67	H	3												B	E	Modified stem to align with all choices.
68	F	3				X								N	E	Single implausible distractor. Replaced the distractor. Added information to stem. Minor wording changes.
69	F	2												B	E	At Chief Examiner's direction, replaced Q with another Q on the same topic that tests a more operationally significant knowledge.
70	F	2												M	S	
71	F	1						X						B	U	This tests general rad worker knowledge. No requirement to possess a license to have this knowledge. Replaced with a bank Q.
72	H	3												N	S	
73	F	3												B	S	
74	F	2												B	S	

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75	H	3												B	S	
76	H	3												B	S	
77	H	4												B	S	
78	H	3											X	N	U	Not SRO-only. Modified Q to ask for TS basis information.
79	H	1											X	N	U	Low LOD because question is direct lookup with the provided references. Added additional conditions to stem to ensure two separate actions apply.
80	H	3												B	S	Minor wording changes.
81	H	3											X	N	U	Not SRO-only. Can be answered with RO knowledge. Modified choices to make SRO-only.
82	F	3												N	E	Simplistic, leading and memory level. Modified Q and choices.
83	F	3						X						B	E	Added to stem to ensure distractor is not partially correct.
84	H	3											X	N	U	Not SRO-only. This Question #84 helps to answer Question #21. Wrote a new question.
85	H	4												N	E	Added noun names for the instruments referenced in the question stem.
86	H	2												N	E	Question simplistic. At Chief Examiner's direction, reselected K/A and wrote new Q.
87	H	4												N	E	Too wordy and choices potentially leading. Reworded the Q.
88	H	3												B	E	Reworded stem and choices to improve Q.
89	H	2.2												N	E	Weak distractors. Modified Q and choices to improve discriminatory value.
90	F	3												N	E	Weak distractors. Modified Q and choices to improve discriminatory value.
91	F	3											X	N	U	Not SRO-only. Can be answered with RO knowledge. Wrote a new Q.

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92	H	3												N	E	Modified stem and choices to improve alignment between question and choices.
93	H	3												B	E	Reworded to ensure no cueing in stem.
94	H	2												B	S	
95	H	3												B	E	Minor rewording to improve distractor balance and align answers with the question.
96	H	3												N	S	Added information to justification section to explain the SRO-only nature of the question.
97	F	2												N	S	
98	H	3												N	E	Modified question to ensure more clearly testing SRO-only knowledge.
99	H	4												B	S	
100	H	3												N	E	Minor wording changes.