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	2												B	S	
2	H	2	X											B	E	Remove the word "likely."
3	H	2												B	S	
4	H	2	·											N	S	
5	F	2				A,D								M√	U	A2/D2: delete check valve or replace with discharge pressure from other RCPs.
6	F/H	2	X											B	E	Remove orifice isolation valves' flow rates (454, 60, & 60 gpm)
7	H/F	2												B	S	
8	F	3	X											B	E	Replace Q with "Which condition and required action…"

Instructions

[Refer to Section D of ES-401 and Appendix B for additional information regarding each of the following concepts.]

1. Enter the level of knowledge (LOK) of each question as either (F)undamental or (H)igher cognitive level.

2. 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).

3. 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).

4. 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.

5. 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).

6. Enter question source: (B)ank, (M)odified, or (N)ew. Check that (M)odified questions meet criteria of ES-401 Section D.2.f.

7. 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?

8. 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	Back-ward	Q= K/A	SRO Only			
9	H	2												N	S	
10	F	2	X											N	E	Change B to 29% so that it is incorrect. Add IAW 2OM-52 to stem.
11	H	2												B	S	
12	F	2	X				A							N	U	Avoid subset - "What is max time to complete?" Remove "normally."
13	H ·	3												N	S	
14	H	2												N	S	
15	F	2												B	S	
16	F	2												B	S	
17	F	2												B	S	
18	F	2												B	S	
19	F	2				B,D								N	U	Boron concentration has nothing to do with dose rates. Replace B&D.
20	F/H	2												B	S	
21	H	3												B	S	
22	H	2												N	S	
23	F	2												B	S	
24	H	2										X		B	u	RCP restart criteria is not unique for SI termination / KA. Replace.
25	F/H	2	X											B	E	Add "IAW ES-1.2" in stem.
26	F	2												N	S	
27	H/F	2												N	S	
28	H	3												B	S	

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			
29	F	2												B	S	
30	H	2												N	S	
31	H	2												B	S	
32	H	2												N	S	
33	H	2												M*	S	
34	H	2	X											N	E	Insert "had" (lowered) into 5th bullet.
35	H	3												B	S	
36	H	2				C								B	E	Spray valve closed not plausible for hi pressure. Change 2nd part of C to state that one (or two) PORVs will be open.
37	F	2												B	S	
38	F/H	2												B	S	
39	H	3	X											N	E	Need to clarify number of channels remaining to avoid 2nd answer.
40	H/F	2												B	S	
41	F	2												B	S	
42	H	3												N	S	
43	H	2												N	S	
44	F	2												M√	S	
45	H	2												B	S	
46	H	2	X											B	E	Clarify the GVs open when power is at ~15% (not >25%).
47	H	2												B	S	
48	H	2												B	S	

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.
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only			Explanation
49	F	2												N	S	
50	H	3	X											B	E	Delete 2nd part because 1st parts are all independent.
51	F	2												N	S	
52	H	2												B	S	
53	H	2												B	S	
54	H	2												N	S	
55	F	2												B	S	
56	H	2												N	S	
57	H/F	2												B	S	
58	F	2												N	S	
59	H	2												N	S	
60	F/H	2												N	S	
61	H/F	2												B	S	
62	F/H	2												N	S	
63	H	2		X										B	E	Add "120" to B to balance C.
64	F	2												B	S	
65	H	2												N	S	
66	F	2												B	S	
67	F	2												B	S	
68	F	2												N	S	

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			
69	F	2		X										B	E	Create pairs of choices to test both values.
70	F	2												B	S	
71	F	2												N	S	
72	H	2												B	S	
73	F	2							X					B	U	Not operationally oriented. Replace.
74	H/F	2												B	S	
75	F	2												N	S	
																N= 28; M= 3; B= 44
																NRC: F=35 (46.7%), H=40 (53.3%); Licensee F=35, H=40 (53.3%)
76	F	2												N	S	
77	F	2												B	S	
78	F	2	X											N	E	Delete 4th bullet and replace 2 with "What procedure should be used?
79	H	3												B	S	
80	H	3												N	S	
81	H	2												N	S	
82	H	2											X	B	U	Straight forward TS basis Qs are not SRO-only. Rework/replace.
83	F	2												N	S	
84	F	2												M√	S	
85	F	2												B	S	
86	H	3												B	S	

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.
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only			Explanation
87	F	2												N	S	
88	H	2											X	M√	U	RO level Q. Replace.
89	H	2												N	S	
90	H	2												B	S	
91	H	2												N	S	
92	H	2												M*	S	
93	H	2											X	N	U	Straight forward TS basis Qs are not SRO-only. Replace/rework.
94	F	2												N	S	
95	F	2												N	S	
96	H	2												B	S	
97	H	2										X		N	U	Overlap with SRO admin JPM. KAMM. Use reselected KA.
98	F	2												N	S	
99	F	2												B	S	
100	F	2												B	S	
																√ - met the criteria for a modified question
																* - did not meet the criteria for a modified question
																RO – 4/75 UNSAT = 5.3%
																SRO – 4/25 UNSAT = 16%