

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										Y		N	S	
2	F	3										Y		N	S	
3	F	2										Y		N	S	
4	H	3										Y		B	S	
5	H	4										Y		B	S	
6	H	3										Y		N	S	
7	H	3										Y		N	S	
8	F	2										Y		N	S	

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).

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9	H	3										Y		N	S	
10	F	3										Y		N	S	
11	H	3										Y		B	S	
12	H	4										N		N	U	K/A MM; Replaced Q
13	H	2										Y		B	S	
14	H	2										Y		M	S	
15		3										Y			S	
16	H	3										Y		N	S	
17	H	4										Y		N	S	
18	H	3										Y		M	S	
19	H	4										Y		B	S	
20	F	4										Y		N	S	
21	F	2										Y		N	S	
22	F	3										Y		N	S	
23	H	4										Y		B	S	
24	H	3										Y		N	S	
25	H	3										Y		B	S	
26	H	2										Y		B	S	
27	H	3										Y		B	S	
28	H	3										Y		B	S	

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29	F	1							X			Y		B	U	LOD 1; Better for GFE; Replaced KA & Q
30	H	2										Y		N	S	
31	F	3										Y		N	S	
32	F	3										Y		M	S	
33	F	2										N		N	U	K/A MM; Replaced K/A and Q
34	F	2										Y		N	S	
35	F	2										Y		N	S	
36	H	3										Y		N	S	
37	F	3										Y		N	S	
38	F	2										Y		M	S	
39	H	3										Y		B	S	
40	F	2										Y		B	S	
41	F	2										Y		N	S	
42	F	2										Y		B	S	
43	F	3				X						Y		M	U	Distractor 'C' also correct; Fixed 'C' distractor
44	F	3										Y		N	S	
45	H	2										Y		B	S	
46	F	2										Y		B	S	
47	F	3										Y		B	S	
48	H	3										Y		N	S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
49	F	3										Y		N	S	
50	H	1				X						Y		N	U	A, B and D implausible given loss of all AC; Replaced Q
51	H	2										Y		N	S	
52	H	2										Y		N	S	
53	F	3										Y		B	S	
54	H	3										Y		N	S	
55	H	2										Y		N	S	
56	F	2										Y		N	S	
57	H	1				X						Y		M	U	C and D implausible given boration; Replaced KA & Q
58	F	3										Y		N	S	
59	H	3										Y		B	S	
60	F	3										Y		N	S	
61	H	2										Y		N	S	
62	F	2										Y		N	S	
63	F	2										Y		N	S	
64	H	2										Y		N	S	
65	F	3										Y		N	S	
66	F	2										Y		N	S	
67	F	2										Y		N	S	
68		3										Y			S	

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69	H	2										Y		M	S	
70	F	3										Y		B	S	
71	H	2										Y		B	S	
72	H	3										Y		N	S	
73	F	3										Y		B	S	
74	F	2										Y		M	S	
75	F	2										Y		N	S	
76	H	2										Y	Y	N	S	
77	H	3										Y	Y	B	S	
78	H	2										Y	Y	N	S	
79	H	2										Y	N	N	U	Not SRO only; Replaced K/A and Q
80	F	2										Y	Y	N	S	
81	H	3										Y	Y	N	S	
82	F	3										Y	Y	N	S	
83	H	2										Y	Y	B	S	
84	H	2										Y	Y	N	S	
85	H	2										Y	Y	B	S	
86	F	2										Y	Y	N	S	
87	H	2										Y	Y	N	S	
88	F	2										Y	Y	N	S	

Post-Submittal NRC Operational Exam Modifications

SIMULATOR SCENARIOS:

N-1:

1. Event 3 – credited BOP with Instrument failure
2. Event 4 – changed severity of vibration to provide more margin to trip threshold
3. Event 6 – credited BOP with Component failure
4. Event 7 – delayed trip of component to strengthen verifiable actions of BOP
5. Event 8 (previous) – deleted due to no verifiable action required. Renumbered event 9 to 8

N-2:

1. Event 7 – credited RO with Component failure
2. Combined Events 7 & 8

N-3:

1. Event 3 – added Note to ensure simulator placed in RUN as soon as setup complete to ensure chart recorders have established trend/history (for Event 2)

N-4:

1. Event 2 – credited ATC and SRO with "I" failure due to verifiable actions vice "N" evolution
2. Combined Events 6 & 7, renumbered Event 8 to 7
3. Event 7 – credited BOP with Component failure
4. Event 9 – deleted due to no verifiable action required

N-5:

1. No changes

JPMs:

ADMIN:

- RA-1: Changed the critical tasks to include the calculation vice the final product.
- RA-2: Replaced the JPM with a JPM to perform an O-6.13, Daily Surveillance Log.
- RA-3: Minor changes
- RA-4: Replace the JPM with a JPM to monitor CSFSTs.
- SA-1: Minor changes
- SA-2: Minor changes
- SA-3: Minor changes

SA-4: Minor changes

SA-5: Minor changes

IN-PLANT:

I Minor changes

J Minor changes

K Minor changes

SIMULATOR:

A Revised JPM to incorporate more critical steps.

B Minor changes

C Credited as alternate path per NRC inspector during prep week. Changed the JPM for SRO – Upgrades so it is not an alternate path.

D Minor changes

E Minor changes

F Minor changes

G No changes

H Minor changes