

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	3												N	S	
2	H	2												M	S	
3	H	4												B	S	
4	H	4												B	S	
5	H	2												N	S	
6	H	3												B	S	
7	F	2												N	E	changed no. of core quadrants fm 1 to 2 in Part 1
8	H	3												B	S	

## 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	F	2												B	S	
10	F	2												B	S	
11	H	2												N	S	
12	H	3												B	S	
13	H	3												M	S	
14	F	2												N	S	
15	H	4												M	S	
16	H	3												N	E	Clarified timeline associated with operator actions.
17	F	3												B	S	
18	H	3												B	S	
19	H	3												M	S	
20	F	3												M	S	
21	F	2												M	S	
22	F	1												N	U	LOD=1. Low Discriminatory Validity. Replaced KA and wrote new Q.
23	H	3												B	S	
24	F	3												B	S	
25	H	4												N	S	
26	H	3												M	S	
27	F	2												B	S	
28	F	3												N	S	
29	H	3												N	S	
30	H	3												B	S	

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31	F	4												N	S	
32	H	3												B	S	
33	F	2												N	S	
34	H	3												N	S	
35	H	3												B	S	
36	H	3												N	S	
37	H	3												M	S	
38	F	3												N	S	
39	F	2												B	S	
40	H	3												B	S	
41	F	4												B	S	
42	H	3												B	S	
43	H	4												B	S	
44	H	4												B	S	
45	F	3												B	S	
46	F	3												M	S	
47	F	2												N	S	
48	H	3	X											M	E	Revised stem and question to make clear the crew had entered alternate emergency depressurization
49	H	3												B	S	
50	H	3				X								N	E	Distractor "B" Implausible. Reactor Recirc Pumps would not be running at the 75% power equivalent pre-trip speed following a Scram. Revised distractor B.
51	H	4				X								N	E	Distractor "A" Implausible. Basic knowledge that RPV level is not restored to the normal band during an ATWS at the power level specified. Revised distractor A.

[illegible]

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76	H	2											N	N	U	Not SRO-only; revised the Q to include procedure execution for Rx pressure control.
77	H	3											Y	M	S	
78	H	3											Y	M	S	
79	H	3											Y	B	S	
80	F	3											Y	B	S	
81	H	3											Y	N	S	
82	H	2											Y	B	S	
83	H	3											Y	M	E	Changed SP level to be above SRV tailpipe limit.
84	H	3											Y	N	S	
85	H	3											Y	N	S	
86	H	2		X									Y	M	E	Removed area labels "Acceptable" and "Not Acceptable" on Figure 3.3.1.2-1, "Minimum SRM Count Rate Versus Signal to Noise Ratio," (a provided reference).
87	H	3											Y	N	S	
88	H	2											Y	N	S	
89	H	3											Y	M	S	
90	H	2											Y	M	S	
91	H	2											Y	M	S	
92	H	3											Y	N	S	
93	H	1				X							Y	B	U	LOD=1. Low discriminatory value. Too easy to determine fuel NOT loaded properly, so can easily eliminate distractor A. Also, distractor B implausible. Wrote new Q.
94	F	2											Y	B	S	
95	F	2											Y	B	S	
96	F	3											Y	B	S	

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97	H	3											Y	M	S	
98	H	3											Y	N	S	
99	F	2											Y	N	S	
100	F	3											Y	N	S	