

Q	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. Source (B/M/N)	7. Status (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	2.5												N	E	Reworded Part 2 choices to ensure they are not variations of the same statement
2	H	2.5												M	E	Added temperature to stem to support distractors
3	F	2.5												B	E	Modified Part 2 choices to ensure they reflect AOP Basis Document purpose for implementing the EOP
4	F	3												N	S	
5	H	3												B	S	Modified stem to enhance clarity
6	H	3												N	E	Reword Q to ensure all choices are answers to the Q. Ensure stem provides sufficient information to ensure only one correct answer.
7	H	3				X							X	N	U	Implausible distractor choices A and B due to use of "immediately" for a 2 gpm leak. KA mismatch. Rejected and reselected new KA due to oversampling.
8	H	3				X								M	U	Distractor choices A and B implausible because domestic water cannot be aligned to the compressor. Replaced the Q.

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 a 1 (easy) to 5 (difficult); questions with a difficulty between 2 and 4 are acceptable.
- Check the appropriate box if a psychometric flaw is identified:
 - "Stem Focus": The stem lacks sufficient focus to elicit the correct answer (e.g., unclear intent, more information is needed, or too much needless information).
 - "Cues": The stem or distractors contain cues (e.g., clues, specific determiners, phrasing, length).
 - "T/F": The answer choices are a collection of unrelated true/false statements.
 - "Cred. Dist.": The distractors are not credible; single implausible distractors should be repaired, and more than one is unacceptable.
 - "Partial": One or more distractors are partially correct (e.g., if the applicant can make unstated assumptions that are not contradicted by the stem).
- Check the appropriate box if a job content flaw is identified:
 - "Job Link": 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).
 - "Minutia": 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).
 - "#/Units": The question contains data with an unrealistic level of accuracy or inconsistent units (e.g., panel meter in percent with question in gallons).
 - "Backward": 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 K/As that are designated "SRO-only." (K/A and license-level mismatches are unacceptable.)
- Enter question's source: (B)ank, (M)odified, or (N)ew. Verify that (M)odified questions meet the criteria of Form 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" status ratings (e.g., how the Appendix B psychometric attributes are not being met).

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9	H	3												B	E	Lowered initial power level to enhance plausibility of Choice D. Added procedure name to stem. Modified stem bullet for operational validity to something that an operator can readily observe.
10	H	3												B	E	The provided reference allowed elimination of two distractor choices. Redacted axis labels and region names on the reference. Added RCS Tcold to stem to support distractor
11	H	3												B	E	Reorder stem bullets for clarity.
12	H	3												N	E	Minor choice rewording for clarity.
13	H	3												B	E	Reworded Q to eliminate reference to specific isolation circuit and to EFW in order to eliminate cueing and raise discriminatory value.
14	H	3												B	E	Minor stem edit.
15	H	3												M	E	Choice A is implausible. Replaced Choice A.
16	H	3												B	E	Added a time frame to the question to ensure the key answer is correct.
17	F	2												B	E	Modified question to ensure the key answer is correct and tied to the AOP.
18	H	3												M	S	
19	H	3												M	E	Reworded choices for balance.
20	F	3												N	E	Revised Q to improve distractor plausibility and improve clarity.
21	F	3												N	E	Minor edits to balance choice length and improve clarity.
22	H	3												N	E	Minor edits for clarity.
23	F	3												N	E	Minor edits for clarity.
24	F	3												B	E	Modified Q to change reason for entry to align with TS bases.

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25	H	2.4												B	E	Modified wording of choices for balance and to improve plausibility of distractors.
26	F	3												N	E	Minor rewording to improve distractor plausibility.
27	F	3												N	E	Fixed typo. Modified Q and choices to ensure knowledge of KA must be applied to determine correct answer.
28	F	2.2												B	E	Minor choice rewording for balance.
29	H	3												B	E	Changed distractor to address plausibility of Choice D.
30	H	3												B	E	Modified Q and choices to eliminate subset issue between Choices A/B and Choices C/D.
31	H	3												N	E	Minor modification of Q to ensure it doesn't cue the answer.
32	H	3										X		M	U	KA mismatch. Replaced the Q.
33	H	3												M	E	Modified Q to eliminate to ensure distractors are wrong. Corrected typos in Choices B and D. Minor edits to stem.
34	H	2												M	E	Minor edits to stem and choices to improve discriminatory value.
35	H	3												B	E	Modified given condition and changed distractor to support distractor plausibility.
36	F	3												N	E	Minor rewording of Q to tie to a reference and to improve plausibility of distractors.
37	H	3												B	E	Revised Q to improve distractor plausibility.
38	F	3												M	E	Minor edit for clarity.
39	H	2.5					X							M	U	Two implausible distractors, A and C. Modified distractors to ensure they are plausible.
40	H	3												B	E	Minor grammatical tense change in choices.
41	H	3												B	E	Modified stem reason for reactor trip to improve plausibility.

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42	H	3													B	E	Modified the key answer to ensure it isn't a subset of another choice.
43	F	3													B	E	Modified choices to improve distractor plausibility.
44	F	2						X							N	U	Poor Q, low operational validity, technically inaccurate, borderline SRO knowledge, low LOD. Replaced the Q.
45	F	3													B	E	Minor stem edit for clarity.
46	F	3													N	S	
47	H	3													B	E	Reworded Q for clarity.
48	H	3				X									N	U	Distractor choices A and C are not credible. Implausible that the necessary direction to mitigate a design basis accident would be in the AOP, rather than the EOP. Replaced the Q.
49	H	3													B	E	Modified one distractor to improve plausibility and deleted Q reference to phase of the fluid.
50	F	3													B	S	
51	H	3													B	E	Modified distractors to improve plausibility. Added qualifier to the stem information regarding RCS pressure rate of change. Added clarity to Q.
52	H	3													N	E	Modified to ensure no overlap with other Q. Minor edits for clarity.
53	F	3													B	E	Minor rewording of stem and choices for improved clarity.
54	F	2													N	E	Minor rephrasing of Q and choices to eliminate subset and ensure clarity.
55	F	2													N	E	Simple Q. Modified distractors to slightly raise LOD.
56	H	3				X									N	U	VBC vs VBD not discriminating and overlaps with Q15 and Q35. Modified stem to provide information indicative of loss of VBD that is less obvious than "RPS Ch D has no lights". Changed A and B distractors to a Vital Bus related to the alarm provided.

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57	H	2.2												B	E	Modified stem information to increase LOD by requiring assessment of indications rather than stating the conclusions that should have been drawn from control room indications.
58	H	3												M	E	Reworded Q to better align with choices.
59	F	3										X		M	U	KA mismatch. Does not test operation of HRPS controls or changes in hydrogen concentration. Replaced the Q.
60	F	3												N	S	
61	H	3				X								B	U	Non-discriminating distractors A and B. Reselected the K/A and replaced the Q.
62	H	3												N	S	
63	H	3												B	E	Modified to replace weak Choice A distractor. Moved extra repeated words from choices into stem.
64	H	3												B	E	Modified choices and deleted a qualifier from the stem to remove potential cueing.
65	F	3												B	E	Changed distractor choice A to ensure no partially correct answers.
66	F	3												N	S	
67	F	3												B	S	
68	H	3												B	S	
69	F	3												N	S	
70	H	3												B	U	Not a Tier 3 Q. Replaced the Q.
71	F	3												B	S	
72	F	2												N	E	Minor clarification in stem.
73	F	3												B	S	

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74	H	3												N	U	Not a Tier 3 Q. Rejected K/A. Replaced the Q.
75	H	3												N	S	
76	H	3												M	E	Corrected typo in Choice C.
77	H	3												M	E	Removed the unnecessary "due to" information from the choices. Changed from NI7 to NI5 due ensure no overlap with any other Q. Rephrased choices and answers for clarity.
78	H	3												N	S	
79	H	3												N	E	Corrected typos. Changed one distractor to take manual control of MS-V-4's. Changed MS-V-3 distractors to MS-V-4 valves because obvious would not dump steam to condenser on station blackout.
80	H	3				X								M	U	Two implausible distractors – identification of the affected DC system is non-discriminating. Reselected KA and wrote new Q.
81	H	3												B	E	Modified stem and choices to eliminate subset and improve plausibility of distractors.
82	F	1												N	U	Low LOD. Poor KA match. Replaced the Q to better match the KA.
83	F	3												B	E	Minor wording change to key answer to balance with other choices.
84	H	3												B	S	
85	H	3												M	S	
86	F	3												B	E	Restructured stem and choices for clarity.
87	H	3												N	E	Modified distractors and stem to improve distractor plausibility and ensure requires application of SRO only knowledge.
88	H	3												M	E	Fixed key assignment of correct answer. Reworded key answer to match format of other choices.
89	H	3												B	E	Removed alphanumeric designators in the choices.

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90	H	3												B	S	
91	H	3											X	M	U	Not SRO-only. Can be answered with RO knowledge. Changed procedures in C2 and D2 to address the problem.
92	H	3												N	E	Typo in stem. Deleted reference to MAP C0101 in stem. Removed 30 amp fuse information from stem.
93	F	3												B	E	Revised Q and choices to ensure no cueing.
94	H	3												M	E	Minor rewording for clarity.
95	H	3												M	E	Rewrote one distractor to improve plausibility.
96	F	3												N	E	Restructured Q for clarity.
97	F	3												N	E	Subset issue. Reworded the Q and choices.
98	H	3												N	E	Minor stem wording change.
99	F	3												N	S	
100	H	3											X	M	U	Not SRO-only. Can be answered with RO knowledge. Wrote new Q.