

C	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q= K/A	SRO Only		
1	H	2				X						-		U(S)	B and C do not appear credible - would these actions EVER be required? <i>(Fixed)</i>
2	H	2				X						-		U(S)	C and D are not credible; <i>(Replaced)</i>
3B	F	3										-		S	NRC1997
4	F	3										-		S	
5	H	3				X						-		E(S)	what credible error would lead to choosing A, C, or D? <i>(Fixed)</i>
6	H	3										-		S	
7B*	H	3										-		E(S)	NRC1999; this does not qualify as a MODIFIED Q - count as BANK; should "isolate" be "close" instead?
8M* <i>(NEW)</i>	H	3				X						X		U(S)	too similar to NRC2002#33 to be counted as new; B is not credible; doesn't test ability to interpret m/u flow as applied to PZR PRESSURE CONTROL MALFUNCTION per KA; <i>(replaced with new KA and Q; add "only" to A and B)</i>
9	H	3				X						-		U(S)	B is not credible; <i>(Modified)</i>
10B* <i>(MOD)</i>	H	3										-		E(S)	NRC2002 #12; this does not qualify as a MODIFIED Q - count as BANK; <i>(Replaced with modified Q)</i>

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.
 - One or more distractors is (are) not credible.
 - 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).
- Based on the reviewer's judgment, is the question as written (U)nacceptable (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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11B	H	3										-		S	
12B*	H	2										-		E(S)	this does not qualify as a MODIFIED Q - count as BANK;
13	H	1	X			X						X		U(S)	Q stem doesn't actually state that bus AI-40A has been lost, so Q doesn't make sense; why would anyone think that loss of power to indications would affect the SIT performance? Doesn't test ability to determine SIT press. and lvl after loss of power to instruments per KA; <i>(Replaced with new KA and Q)</i>
14	H*	2										-	X	U(S)	LOK is H vice F; this is not RO level - it is SRO (55.43.b.5); <i>(Replaced)</i>
15B* <i>(NEW)</i>	H	3										-		S(S)	NRC2002 #116; <i>(replaced with new question)</i>
16	F	3										-		E(S)	change B from "...a air..." to "...an air...";
17B	H	3				X						-		U(S)	A is not credible; <i>(Changed)</i>
18B	F*	3										-		S	NRC1997; LOK is F vice H;
19	F	3										-		S	
20	H(F)	1							X			-	X	U(S)	Q is too easy - low discriminatory value; TS not typically RO-level; <i>(fixed)</i>
21B	F	3										-		S	
22B	H	2					X					-		U(S)	NRC1997; is D possibly also correct? <i>(Fixed)</i>
23B	F	3										-		S	NRC2002#62;
24B	H	3					X					-		U(S)	NRC2001-2; B is not credible; <i>(Fixed)</i>
25	F	3					X					-		U(S)	C and D are identical and therefore not credible; <i>(Fixed)</i>
26B	F	3										-		S	NRC2001-1;
27B* <i>(NEW)</i>	F	3				X						-		U(S)	NRC2001-2; and NRC2002#106; C is not credible; <i>(replaced; B also correct; fixed)</i>
28B	F	3										-		S	
29B	H*	2				X						-		U(S)	A and C are not credible; <i>(Fixed)</i>
30	H	3				X						X		U(S)	C isn't credible; doesn't test ability to predict (AND use procedures to correct/control/mitigate) the IMPACTS OF a T-ave or T-ref deviation ON CVCS per KA; <i>(replaced)</i>
31	F	3										-		S	
32	F	3										-		S	

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33B	H	3				X						-		U(S)	NRC2001-1; C is not credible; <i>(Modified, but C still not credible; fixed)</i>
34	H	3										-		E(S)	Change stem from "Whis..." to "What..."; <i>(Fixed)</i>
35	F	3										-		S	
36	F	3					X					-		U(S)	change stem from "...is:" to "...in."; <i>(Fixed)</i>
37B	F	3										-		E(S)	reference doesn't support answer; <i>(More references provided)</i>
38B* <i>(NEW)</i>	H	3										-		S(S)	NRC1995; and NRC2004#8; <i>(Replaced with new Q)</i>
39B	F	3				X						-		U(S)	NRC2002#86; C is not credible; <i>(Fixed)</i>
40B	H	3										-		E(S)	NRC1995; change stem from "Selected..." to "Select..."; <i>(Fixed)</i>
41	H	3				X	X					-		U(S)	B is not credible; <i>(fixed)</i>
42M*	H	3										-		E(S)	too similar to NRC2002#76 to be counted as new; change stem from "offsite power" to "offsite power"; <i>(Fixed)</i>
43B	H	3										-		S	NRC1995;
44	H	3										-		S	
45B*	H	3										-		E(S)	NRC2004#41; this does not qualify as a MODIFIED Q - count as BANK;
46B	H	2										-		S	NRC2001-2;
47B	F	3				X						-		U(S)	B is not credible; <i>(Fixed)</i>
48B	F	3										-		S	
49B* <i>(NEW)</i>	H	3										-		S(S)	NRC2004#91; <i>(Replaced with new Q)</i>
50B*	F	2	X									-		E(S)	NRC2002#109; delete second sentence of stem; <i>(Fixed)</i>
51	H	3										-		S	
52B	H	3										-		S	NRC1997;

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5	F	3										-		S	
54B	H	3										-		S	NRC1997;
55B	H	3										-		S	NRC2001-1;
56B* (NEW)	F	3										-		E(S)	NRC1999; and NRC2002#85; <i>(replaced; typo in stem; fixed)</i>
57B	H	3				X						-		U(S)	NRC1997; A is not credible; <i>(Fixed)</i>
58B	H	3				X						-		U(S)	NRC1997; A is not credible; <i>(Fixed)</i>
59M* (NEW)	H*	2				X						-		U(S)	too similar to NRC2002#68 to be counted as new; LOK is H vice F; A and C are not credible; <i>(replaced with new)</i>
60B	F	2										-		S	NRC2001-1;
61B	H	2				X						-		U(S)	NRC1995; A is not credible; <i>(Fixed)</i>
62B* (NEW)	H	3										X		U(S)	NRC2001-1; and NRC2002#64; doesn't test the ability to predict the impact of SBLOCA AND use PROCEDURES... per KA; <i>(Replaced)</i>
63	H	3				X						-		U(S)	D is not credible with "none" in the wording; <i>(Fixed)</i>
64B	H	3				X						-		U(S)	NRC2001-2; change "causing" to "causes" in stem; D is not credible since logic eliminates it as a possibility; <i>(Fixed)</i>
65B (NEW)	H	3										X		U(S)	NRC2001-2; doesn't test knowledge of the effects of the FPS MALFUNCTION on the detectors per KA; <i>(Replaced; eliminate the word "suppression" from the stem; fixed)</i>
66	F	3					X					-		E(S)	reference doesn't support answer; <i>(Additional reference provided)</i>
67B (NEW)	F	1							X			-		U(S)	NRC1999; this has no discriminatory value; <i>(Replaced)</i>
68B	H	2				X						-		U(S)	NRC1995; is C credible? <i>(Fixed)</i>
69B	F	2										-		S	NRC1997;
70	F	1										X		U(S)	doesn't test knowledge of RO responsibilities in CR during fuel handling per KA; <i>(Replaced)</i>
71B (NEW)	H	2	X									-		U(S)	NRC1999; stem doesn't indicate what percentage of exposure was due to neutrons; <i>(Replaced)</i>
72	F	2				X	X					-		U(S)	A is not credible; why isn't D correct? <i>(Fixed)</i>
73B (NEW)	F	2				X						-		U(S)	NRC2004#4; B is not credible; <i>(Replaced with new Q)</i>

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74M	F	2	X				X					-		U(S)	the way the question is worded, there is no difference between A and D (or B and C); <i>(Fixed)</i>
75	F	3										-		S	
76	F	3										-	X	U(S)	this is RO-level (55.41.b.10); <i>(Replaced)</i>
77M	H	3										-	-	E(S)	NRC2004#5; minor typo;
78	H	3										-	X	U(S)	this is RO-level (55.41.b.10); <i>(Replaced; BCD not credible; typo; fixed)</i>
79	H	3										-	X	U(S)	this is RO-level (55.41.b.10); <i>(Replaced)</i>
80	H	4										-	-	S	
81	F	3										-	-	S	
82B <i>(NEW)</i>	H	3										-	X	U(S)	NRC2004#20; reference doesn't support answer; this is RO-level (55.41.b.10); <i>(Replaced)</i>
83	H	3				X						-	X	U(S)	B is not credible; is PRA knowledge specifically an SRO learning objective? <i>(Replaced)</i>
84B* <i>(NEW)</i>	F	3										X	X	U(S)	NRC2002#65; this does not qualify as a MODIFIED Q - count as BANK; this is RO-level (55.41.b.10) - it was RO#63 on NRC2002; <i>(Replaced)</i>
85B	F	3										-	-	E(S)	NRC2001-1; change stem from "When would you..." to "When would you be required to..." <i>(Fixed)</i>
86	H	3				X						-	X	U(S)	B and D are not credible; this is RO-level (55.41.b.10); <i>(replaced)</i>
87B <i>(NEW)</i>	F	4		X		X			X			-	-	U(S)	answer is cued by its obvious safety significance in comparison to the three distractors (making them not very credible); is this something an SRO should know from memory? <i>(Replaced)</i>
88B* <i>(MOD)</i>	F	3				X						-	X	U(S)	this is RO-level (55.41.b.10); not a MODIFIED Q - count as BANK; not sure B is credible; <i>(Modified Q)</i>
89	H	3				X						-	-	E(S)	C is not credible (recommend "0600 on April 3"); <i>(Fixed)</i>
90	H	3	X			X						X	X	U(S)	is H2 production really THE most SIGNIFICANT potential consequence? A and B are not credible; doesn't test ability to explain/apply SYSTEM LIMITS and PRECAUTIONS per KA; this is RO-level (55.41.b.5,8,9); <i>(Modified)</i>
91	H	3				X						-	X	U(S)	D is not credible; this is RO-level (55.41.b.10); <i>(Replaced)</i>

