

NRC COMMENTS TO THE WRITTEN EXAMINATION, ES-401-9

FOR THE PERRY RETAKE EXAM - AUGUST 2007

Q#	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	Backward	Q=K/A	SRO Only			
1	F	2.0											x		E	new. Modify the front of distractors c & d to match b. "To provide a ... <i>Modification made.</i>
2	F	2.0													S	new.
3	F	2.0													S	bank.
4	F	2.0													S	bank.
5	H	2.5													S	modified.
6	H	2.5											x		E	new. Distractor b. should specify a component or use a plural (components) to make the grammar correct. <i>Corrected distractor b., reworked correct answer to make easier to read.</i>
7	F	2.0													S	bank.
8	H	3.0													S	modified.

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).
- 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	2.0												S	bank.
10	H	2.0												S	bank.
11	F	2.0											x	S	new.
12	H	2.0												S	bank.
13	H	2.5												S	modified.
14	F	2.0											x	S	new.
15	H	2.5												U S	bank. Not an RO question. SPDS is displayed on the wall at Perry making this info RO information. Changed to Sat.
16	H	2.0												S	bank.
17	H	2.0												S	bank.
18	H	2.5												S	new.
19	F	2.5												S	bank.
20	F	2.5											x	S	new.
21	H	2.5											x	S	new.
22	F	2.5											x	S	new.
23	F	2.5												S	bank.
24	F	2.0											x	S	new.
25	H	2.0												S	bank.
26	H	2.0												S	new.
27	H	2.5											x	S	new.
28	H	2.5												S	bank.
29	H	2.5												S	bank.
30	H	2.0											x	S	new.
31	H	2.0												E	bank. In the first line of the stem mispositioning is mis-spelled. Corrected

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32	H	2.5												U S	bank. Not an RO task. <i>Tech Spec rounds require the ROs to do this.</i> Changed to Sat.
33	F	1.0										x		U	new. LOD = 1. <i>Re-wrote the question to require higher skill and identification of power supply for component.</i>
34	H	2.5												S	modified.
35	H	2.5												S	bank
36	H	2.5												S	bank.
37	F	2.5												U S	bank. Verify the correct answer. <i>Answer is correct as written because RCIC maintains flow.</i> Changed to Sat.
38	H	2.0												S	bank.
39	H	2.5										x		S	new.
40	H	3.0										x		S	higher.
41	F	2.0												S	new.
42	F	2.0												S	bank.
43	H	2.5										x		S	new.
44	F	2.0												S	new.
45	H	2.5										x		S	new.
46	H	2.5												S	modified.
47	F	2.0												S	bank.
48	F	2.0										x		S	new.
49	H	2.0												S	new.
50	H	2.0												U	bank. The K/A refers to actions taken in the control room. The question refers to actions taken locally at the EDG. <i>Question replaced. Replacement question was satisfactory.</i>
51	F	2.0												S	bank.
52	F	2.5												S	new.
53	F	2.0												S	new.

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only		
54	H	2.0												S	bank.
55	F	2.0												S	bank.
56	H	2.5										x		S	new.
57	H	2.0												S	new.
58	H	2.0										x		S	new.
59	H	2.0												S	new.
60	H	2.5												S	bank.
61	H	2.5										x		S	new.
62	H	2.5										x		S	new.
63	H	2.0												S	bank.
64	F	2.5										x		S	new.
65	F	2.0												S	new.
66	H	2.0												S	bank.
67	F	2.0												S	new.
68	H	2.5												S	bank.
69	F	2.0												S	new.
70	F	2.0												S	bank.
71	F	2.0												S	new.
72	F	2.0												S	bank.
73	F	2.5												S	new.
74	F	2.0												S	new.
75	F	2.0												S	new.
76	H	2.5											x	S	bank.
77	H	3.0											x	S	bank.

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
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78	H	2.5											X	E	new. Put a ? mark at the end of the question. The correct answer is the only one with a time requirement. Can we add a time requirement to b? Added time requirement to distractor a. Added ? mark.
79	F	2.0											X	U	bank. Not an SRO question. Question replaced. Replacement question was satisfactory.
80	H	2.0											X	S	bank.
81	H	3.0										X	X	U	bank. Two implausible distractors. An operator would know that water level is not raised during an ATWS. Station replaced question - new question accepted.
82	H	3.0										X	X	E	bank. Modify to not elicit General Emergency so applicant can't get the right answer by picking the highest level of emergency. Add other items to change level of accident. Station re-worked question to make the classification more difficult - changed to site area emergency.
83	H	3.0										X	X	S	new.
84	H	2.5										X	X	S	bank.
85	H	2.0										X	X	S	new.
86	F	2.5										X	X	S	new.
87	F	2.0											X	S	bank.
88	H	2.5											X	S	bank.
89	H	2.5										X	X	S	new.
90	H	2.5											X	S	bank.
91	H	2.0										X	X	S	bank.
92	H	2.5											X	S	new.
93	H	2.5											X	S	modified.
94	F	2.0											X	S	new.
95	H	2.5											X	U S	bank. Not SRO Only. First 1 of 2 is system knowledge. 2 nd 1 of 2 is an LCO entry which ROs are required to know. 2 nd part of question is an SRO task at the facility even though ROs may be knowledgeable concerning the LCO entry. Changed to Sat.

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96	H	2.0											x	S	bank.
97	H	3.0											x	E	bank. capitalize INOPERABLE Done.
98	H	2.0											x	U	bank. Not SRO Only. ROs have to be able to calculate cool-down rates. Facility added requirement to apply technical specification making the question SRO level.
99	H	3.0											x	S	new.
100	H	2.5										x	x	S	new.

All question references were independently verified.