

Folder 2
SSES 4002

Q# RO/ SRO	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		
1/30	H	3												S	N
2/3	H	3												S	N
3/5	F	2												S	N
4/	H	3												E	Typo
5/7	H	3												S	N
6/8	H	3												S	N
7/11	H	3												S	M
8/12	H	3					X							U	M With +100 second period "d" could also be correct REVISED
9/17	H	3												S	M
10/18	F	2												S	M

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.
 - More than one distractor is 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).
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 the appropriate box if the sampled question does not match the approved K/A or an SRO-only question is not at the SRO level.
6. 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?
7. For any "U" ratings, at a minimum, explain how the Appendix B psychometric attributes are not being met.

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q# K/A	SRO Only		
11/22	H	3												S	B
12/24	H	2												S	B
13/26	F	2												S	N
14/	H	3												S	N
15/28	F	2												S	N
16/1	F	2												S	N
17/29	F	2												S	N
18/31	H	2												S	M
19/32	H	3												S	N
20/9	H	3												S	N
21/13	F	2												S	N
22/14	F	2												S	N
23/33	H	3												S	N
24/34	H	3												S	N
25/35	H	3												S	M
26/20	H	3												S	N
27/37	F	2												S	N
28/38	H	3												S	N
29/	H	3												S	B
30/41	F	2												S	N

Q# RO/SRO	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		
31/25	F	2												S	B
32/	H	2										X		U	N REVISIED
33/36	F	2												S	N
34/16	F	2												S	N
35/39	F	2												S	N
36/	F	2				X	X							U	N Could "d" also be correct? REVISIED
37/	H	3										X		U	N Typo when a/ when it REVISIED
38/	H	3												S	N
39/44	F	2												S	B
40/	F	2												S	N
41/45	H	3												S	N
42/46	H	3												S	N
43/47	F	3												S	N
44/48	F	2												S	B
45/49	F	3												S	N
46/	F	3												S	N
47/72	H	3												S	M
48/51	F	2												S	N
49/52	F	2												S	N
50/	F	3												S	N

Q# RO/SRO	1. LO K (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		
51/	F	2												S	M
52/54	H	3												S	M
53/55	F	3												S	B
54/56	F	2												S	N
55/57	F	2												S	M
56/59	F	2												S	N
57/60	F	2												S	N
58/	F	2												S	N
59/61	F	2												S	M
60/	H	3										X		S	M <i>OK AS IS</i>
61/62	F	2												S	N
62/	H	3										X		U	M <i>A2 REVISED</i>
63/64	F	2												S	B
64/65	F	2												S	M
65/	H	3												E	M "using control rods' not needed? <i>YES NEEDED- EDITIRIAL</i>
66/68	H	3										X		U	N <i>A2 REVISED</i>
67/	F	2										X		S	N <i>OK AS IS</i>
68/69	H	3												S	N
69/70	F	2												S	M
70/71	H	3												S	M

Q# RO/SRO	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		
71/	H	3												S	B
72/	H	3												S	N
73/73	H	3												S	B
74/	F	2												S	N
75/	F	2												S	B
76/63	F	2												S	B
77/	F	3												S	B
78/76	F	3												S	B
79/76	F	2												S	N
80/77	F	2												S	N
81/66	F	2												S	N
82/78	F	3												S	B
83/	F	2										X		U	N A2 <i>REVISED</i>
84/80	F	2												S	B
85/81	F	2												S	M
86/82	F	3												S	N
87/83	H	3												S	N
88/84	H	2												S	N
89/	F	2												S	N
90/88	H	3												S	B

Q# RO/SRO	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		
91/	F	1												U	B NON DISCRIMATORY <i>REPLACED</i>
92/89	H	2												S	M
93//90	F	2												S	M
94/	F	2												S	N
95/93	H	2												S	M
96/94	F	3												S	N
97/	B F	2												S	M
98/	F	2												U	M "a' could be correct also <i>REVISED</i>
99/	H	3												S	B
100/	F	2												S	N
/2	H	3											X	U	N <i>REVISED</i>
/4	F	2												U	N <i>MADE NOT SRO ONLY</i>
/6	H	3												S	N
/10	H	3												S	N
/15	H	3												S	N
/19	H	2										X		U	N <i>REPLACED</i>
/21	H	3											X	U	N <i>REVISED</i>
/23	H	3												S	N
/27	H	3												S	M
/40	H	3												S	M

Q# RO/SRO	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		
/42	F	2											X	U	N REVISED
/43	H	3											X	U	N REVISED
/50	H	3											X	U	N SRO ONLY LO? REVISED
/53	H	2										X		U	N A2 REVISED
/58	H	3										X		S	N OK AS IS
/67	H	3										X	X	U	N REVISED
/74	H	3											X	U	N REVISED
/79	H	3										X	X	U	N REVISED
/85	F	2											X	U	N REVISED
/86	F	2												S	M
/87	F	2											X	U	N SRO LO? REVISED
/91	F	2											X	U	N REVISED
/92	F	2											X	U	N REVISED
/95	F	2												S	B
/96	F	3												S	N
/97	F	2												S	N
/98	F	2											X	U	B MADE NOT SRO ONLY
/100	F	2												S	N

NRC COMMENTS on the SSES DRAFT OPERATING TEST

WALK THRU (JPMs)

The SRO upgrade test had only one alternate path JPM and the test needs two alternate path JPMs to meet the examiner standards. A plant JPM was changed to the ADS alternate path JPM to meet the standards.

- JPM-2 The initiating cue provided the procedure and section to be implemented. The NRC questioned the need to provide this cue. It was determined to be necessary.
- JPM-3 The task conditions were revised to clarify RCIC condition or status.
- JPM-5 The JPM required revision to insure that the EDG does not trip at step 22.
- JPM-6 The initiating cue required revision. "Respond to any alarms."
- JPM-7 Step 7 was deleted as it was not part of the JPM.

SIMULATOR SCENARIO

When simulator scenario #1 was being validated by the NRC, a procedure reference error was noted by the facility. The reference error was corrected (ON-145-001, Section 3.7 changed to 3.8).

WALK THRU (RO ADMIN)

Question A1.1 (parameter verification) The term "critical" was incorrectly used. The term was removed. The question appeared to be closed book knowledge. The facility indicated that candidates were not expected to be able to answer the question without a reference. The question remained open book.

Question A1.2 (parameter verification) The question appeared to be a direct lookup. The facility demonstrated that it was not a direct lookup. The question remained open book.

Question A1.1 (logs) The question would be more operationally oriented if the candidate was given the log and had to identify actions rather than given the data and asked to state the actions required. Question was revised.

Question A1.2 (logs) The question gave the candidate the procedure and required minimum calculations which was not operationally realistic. To save time during exam administration, no changes were required to be made.

Questions A3.1 and A3.2 (radiation protection) There were four questions given and the

examiner standards only required two. Two questions were removed.

WALK THRU (SRO ADMIN)

Question A1.1 (mode change) The explanation for the answer was confusing and not well written. The explanation was revised. Part of the answer (in bold) was omitted from the revision.

Question A1.2 (mode change) The question clued the candidate to use the tech specs. Requested the clue be removed so that the candidate could determine the appropriate reference to be used. The question was revised.

Question A1.1 (parameter verification) The question clued the candidate to use the Technical Requirements Manual. Requested the clue be removed. The question was revised.

Question A1.2 (parameter verification) Requested the question be made more operationally oriented by giving candidate the appropriate log rather than the specific data. The question was revised.

Question A2.1 (surveillance testing) The question clued the candidate to use a specific technical specification. Requested the clue be removed. The question was revised.

Question A2.2 (surveillance testing) The question clued the candidate on reporting requirements. It was determined that the clue was necessary to focus the candidates actions. No change was made.

Question A3.1 and A3.2 (radiation protection) There were three questions and the examiner standards only required two. One question was removed. The answer to the question removed was not removed.