

DRESDEN Station [April 2015] Exam

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	Backward	Q=K/A	SRO Only			
1+	H	2												B	S	
2	H	3												B	E S	NRC: What directs restarting loads one-at-a-time to locate the ground fault as a required action and states what this action protects ? LIC: Required action per DAN 902-8 D-4. Question is 'S' as written.
3	F	2												B	S	
4+	H F	3												B	E	NRC: Distractor 'D' is not plausible for conditions given in stem. This is still a memory question since knowledge of U3 flowpath is not required to answer question. No history given. LIC: Distractor 'D' is plausible since the valve is normally closed. Agreed LOK is 'F' from the bank. Question is now 'S'.
5	F	2												B	S	2011 CERT Exam
6	F	3												B	E	NRC: Remove Subset possibility from distractors. (Raise all by 5 psig?) LIC: Agreed – Changed values on 3 of 4 distractors. Question is now 'S'.
7+	F	3												B	E S	NRC: Distractor 'B' may not be plausible. LIC: Distractor 'B' is plausible based upon system logic. Question is 'S' as written.
8	H	2												B	S	
9	F	2												B	S	NRC: Corrected rationale for justification provided.
10+	F H	3												B	E	NRC: Which event is the applicant taking action to mitigate? (Maybe reword or delete that part of question.) LIC: Removed the words "Several minutes later" from the stem to clarify the annunciator response actions. Question is now 'S'.
11	H	3	X											N	U E	NRC: No correct answer as written. Change distractor 'D' from DW penetrations (GR II) to CS pumps. LIC: Changed stem to read "which system(s) will have had" and changed distractor 'C' to "HPCI, EDGs, SDC". Question required 'E' (not 'U') and is now 'S'.

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12	H	3												N	E S	NRC: Need to understand why RPV pressure is higher when operating on the bypass valves than the turbine. LIC: Due to bias in the Bypass Valve Control Circuit. Question is 'S' as written.
13+	H	3												B	S	
14	H	3												N	S	
15	F	2												N	S	
16+	F	2												B	S	2013 CERT Exam
17	F	2												B	S	
18	F	3												B	E	NRC: Reword part of stem for clarity. LIC: Agreed – Changed wording to “charger is operating”. Question is now 'S'.
19+	H	3												B	S	1 out of 2
20	H	3												B	S	2010 NRC Exam
21	H	3												N	S	
22+	H	3												B	E	NRC: Should the time given in the stem question be 02:44:00? LIC: Agreed – Changed time to 02:44:00 vs 02:45:00. Question is now 'S'.
23	H	3												N	S	
24	F	3												N	E	NRC: Consider lower temps for distractors 'C' and 'D'. LIC: Agreed – Changed distractors 'C'/'D' to 200/210. Question is now 'S'.
25+	F	2												N	S	
26	H	3												B	S	
27	H	3												N	E	NRC: Distractor 'D' is inconsistent and not plausible. LIC: Agreed – Changed the wording on two distractors and reordered them. Question is now 'S'.

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
28+	H	3												N	S	
29	H	2												B	S	NRC: Use consistent capitalization. LIC: Agreed – Changed to “CAN” in distractor ‘A’. Question was ‘S’.
30	H	3												B	S	2011 CERT Exam
31+	H	3												B	S	2011 CERT Exam
32	F	3												B	S	2010 NRC Exam
33	F	2												B	S	2011 CERT Exam
34+	F	3												B	S	NRC: Distractor ‘C’ may be more correct if add the word ‘ALL’ before “low pressure ECCS pumps in PTL.” LIC: Agreed – Added the word ‘ALL’ to distractor ‘C’. Question is ‘S’. 2011 CERT Exam (2008 NRC Exam)

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).

A “+” in the “Q#” column indicates that question was reviewed as part of the representative sample of 30 questions.

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35	H	3												B	S	
36	H	3												B	S	NRC: Verify this is really listed in the bank as 'High' cog. LIC: Verified. Question is 'S' as written.
37+	H	3												N	S	
38	F	2												B	S	
39	H	2												B	S	
40+	H	3												B	S	ILT 11-1 NRC Exam (2012)
41	F	2												B	S	
42	H	3												B	S	2013 CERT Exam (Different question from #31)
43+	H	3												B	S	NRC: Correct wording of distractor 'C'. LIC: Agreed – Changed wording to 'then'.
44	H	3					X							B	U E	NRC: As worded, may have more than 1 correct answer. ('B' and 'C') LIC: Agreed – Changed stem wording to 'actions is required'. Question is now 'S'.
45	H	3												B	S	
46+	F	3												B	S	ILT 11-1 NRC Exam (2012)
47	F	2												B	S	
48	F	2												B	S	NRC: Reword stem '3 turns CLOSED from FULL OPEN' for clarity. LIC: Agreed – Reworded stem to 'system is being returned to service'. Question is 'S'.
49+	H	2												N	S	
50	F	3												B	S	
51	H	3												B	S	
52	H	3												N	S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
53+	F	1												B	U	NRC: Direct power supply question. LIC: Replaced question using the same K/A. Question is now 'S'.
54	H	3												B	S	ILT 11-1 NRC Exam (2012)
55	F	3												N	S	
56+	F	3												B	E	NRC: Reword the stem to clarify required actions. LIC: Agreed – Removed the words 'and reset the alarms'. Question is now 'S'. 2013 CERT Exam
57	H	3												N	S	(DOP 1300-03.)
58	F	3												N	S	1 out of 2.
59	H	3												N	S	1 out of 2.
60	F	3												B	S	NRC: Corrected rationale for justification provided.
61	F	3												N	S	
62+	F	3												N	S	
63	H F	3												N	E	NRC: LOK is memory, 'F'. LIC: Agreed – Changed LOK to 'F'. Question is now 'S'.
64	H	3												N	S	
65	H	3												N	S	
66+	F H	3												B	E	NRC: This appears to be 'High' cog. Verify from Bank. LIC: Agreed – Verified that bank LOK is 'High'. Question is now 'S'.
67	F	3												B	S	NRC: Possibly use a higher contamination level? LIC: Agreed – Raised contamination level to 150 dpm/100cm ² . Question is 'S'.
68	H	2												B	S	ILT 11-1 NRC Exam (2012)
69	F	3												B	S	2013 CERT Exam

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70+	H	3												B	S	2013 CERT Exam
71	H	3												B	S	2013 CERT Exam
72	F	3												N	S	
73	H	3												B	S	1 out of 2. 2011 CERT Exam
74	H	3												N	S	
75+	H	3												B	S	NRC: How does the reference support the question/answer? LIC: Agreed – Provided new reference. Question is 'S'.
For RO portion of Exam: New = 24Q, Modified = 0Q, Bank = 51Q (68.0%): LOK: F = 32 (42.7%), H= (57.3%)																
76	H	3											Y	B	S	2010 NRC Exam
77	F	3											Y	B	S	
78	H	3											Y	B	S	
79+	H	3											Y	B	S	1 out of 2.
80	H	3											Y	B	S	1 out of 2. ILT 11-1 NRC Exam (2012)
81	H	3											Y	B	S	
82	H	3											Y	N	S	
83+	H	3											Y	B M	E	NRC: ILT 11-1 NRC Exam (2012) Therefore need to Modify question. LIC: Agreed – Changed stem to different unit and changed one distractor. Question is now 'S'.
84	H	3											Y	B	S	2013 CERT Exam
85	F	3											Y	B	S	2011 CERT Exam
86	F	3											Y	N	S	
87	H	3											Y	B	S	2012 NRC Exam (MNS)

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88+	H	2											Y	B M	E	NRC: ILT 11-1 NRC Exam (2012) Therefore need to Modify question. LIC: Agreed – Changed stem to make different distractor the correct answer. Question is now 'S'.
89	F	3											Y	N	S	
90+	F	3											Y	B	S	ILT 11-1 NRC Exam (2012)
91	H	3											Y	N	S	
92	H	3											Y	B	S	
93	H	3											Y	N	S	
94	H	2											Y	B	S	
95+	H	3											Y	N	S	
96	F	3											Y	B	S	
97+	F	3											Y	B M	E	NRC: ILT 11-1 NRC Exam (2012) Therefore need to Modify question. LIC: Agreed – Changed stem to make different distractor the correct answer. Question is now 'S'.
98	F	2											Y	B	S	1 out of 2. 2013 CERT Exam
99	H	3											Y	N	S	
100+	H	2											Y	B	S	
For SRO portion of Exam: New = 7Q, Modified = 3Q, Bank = 15Q (60.0%): LOK: F = 8 (32.0%), H= (68.0%)																