

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												N	S	
2	H	2												B	S	
3	F	2												N	S	
4	H	2												B	S	
5	H	3												B	S	
6	H	2												N	S	
7	F	2												B	S	
8	H	3												B	S	

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).

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
9	H	2												N	S	
10	H	2												B	S	
11	H	2												B	S	
12	H	2												N	S	
13	F	3												B	S	
14	H	2												B	S	
15	H	2												N	E	Added DW Temp to plant conditions
16	F	2												N	S	Matches part B of K/A
17	F	2												B	S	
18	F	2												B	S	
19	H	2												B	E	Simplified plant conditions
20	H	3												B	S	
21	F	2												B	S	
22	F	2												N	S	
23	F	2												B	S	
24	H	3												B	S	K/A met: Applicant needs to know that RPS M/G output voltage goes to zero when the RPS power supply is shifted.
25	F	2												B	S	
26	H	2												N	S	
27	F	2												N	S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
28	F	2												N	S	

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Form ES-401-9

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			
29	H	2												N	S	
30	F	2						X	X					B	U	Not operationally oriented. Replaced K/A and Q.
31	H	2												B	S	
32	H	3												N	S	A and B distractors are plausible because complete loss of CCP affects RHR (i.e., SDC) and Fuel Pool Cooling
33	H	2												B	S	
34	H	2												N	S	Matches part B of K/A
35	H	2												B	S	
36	H	2												N	S	
37	H	2												B	S	Answers confusing; revised answers and distractors
38	F	2												N	S	
39	F	2												N	S	
40	F	2												N	S	
41	F	2						X	X					N	U	Not operationally oriented. Replaced Q.
42	H	2												B	S	
43	F	2												B	S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
44	H	2												B	S	Applicant must know charger normally supplies the 125 vdc bus. When partial loss of DC power occurs, the battery will supply the 125 vdc bus in place of the charger
45	F	2												N	S	
46	F	3												N	S	
47	H	2												N	S	
48	H	2												N	S	

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Form ES-401-9

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			
49	F	2												N	S	
50	H	2												N	S	
51	F	2				X								B	U	B and D implausible because instruments are in the control room. Replaced B and D.
52	H	2												N	S	
53	H	3												B	S	Loss of SW will cause partial/complete loss of CCW
54	H	2												N	S	
55	F	2												N	S	
56	H	2												N	S	
57	H	2												B	S	Low water level signal starts EDGs
58	H	2												B	S	

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	Back-ward	Q=K/A	SRO Only				
59	F	2											X		B	U	K/A not matched. Revised Q.
60	H	2													B	S	
61	H	2													B	S	
62	H	2													N	S	
63	F	2													N	S	
64	F	2													N	S	
65	H	2													N	S	
66	F	2													N	S	
67	F	3													B	S	
68	H	2													N	S	

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Form ES-401-9

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Back-ward	Q=K/A	SRO Only				
69	F	2				X									N	U	A, B and D implausible. Replaced Q.
70	F	2													B	S	
71	F	2													N	S	
72	F	2													N	S	
73	F	2	X												B	E	Question does not depend on plant mode. Deleted plant condition.
74	F	3													N	S	
75	H	2													B	S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
76	H	3											Y	N	S	
77	H	2											Y	B	S	
78	H	2											Y	B	S	
79	H	2											Y	N	S	
80	H	2											Y	N	S	
81	F	2											Y	N	S	
82	H	2											Y	N	S	
83	H	3											Y	N	S	
84	H	2											Y	N	S	
85	H	2											Y	N	S	Loss of rod position = incomplete scram; Incomplete scram = C5 and in the level control leg of C5 given level is 150"
86	H	2											Y	B	S	
87	H	2											Y	N	S	
88	H	3											Y	M	S	CCW relies on SW as its heat sink

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Form ES-401-9

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
89	H	2											Y	N	S	
90	H	2											Y	N	S	
91	H	2				X							Y	N	U	A and C implausible. Revised A and C.

NMP2 AUGUST 2009 NRC Operating Exam
Changes made during NRC validation week 7-27-09

The following changes were made to the operating exam based upon NRC validation week comments from the NRC examiners. Validation occurred the week of 7/27/09.

SRO ADMIN JPMs

SRO JPM CO1 –

Revised/Enhanced initial conditions and examiner cues/notes for ease of administration and clarity.

SRO JPM CO2 -

Revised/Enhanced initial conditions and examiner cues/notes for ease of administration and clarity.

Removed JPM step 7. It was not required for evaluation.

Severity Level determination step was made NOT CRITICAL.

SRO JPM EC -

Revised/Enhanced initial conditions and examiner cues/notes for ease of administration and clarity.

Changed which Jet Pump was affected during the surveillance review.

Removed JPM step 9.

SRO JPM RC –

Revised/Enhanced initial conditions and examiner cues/notes for ease of administration and clarity.

SRO JPM EP –

Revised/Enhanced initial conditions and examiner cues/notes for ease of administration and clarity.

Revised JPM Handouts and key to reflect current procedure revision.

RO ADMIN JPMs

RO JPM CO1 –

Revised/Enhanced initial conditions and examiner cues/notes for ease of administration and clarity.

Revised key and handout to reflect current dates as required for JPM completion.

RO JPM CO2 –

Revised/Enhanced initial conditions and examiner cues/notes for ease of administration and clarity.

Removed the JPM steps that had no effect on evaluation.

Added cueing for APRM values at P608 Panel.

Revised key and handout to reflect current dates as required for JPM completion.

NMP2 AUGUST 2009 NRC Operating Exam
Changes made during NRC validation week 7-27-09

RO ADMIN JPMs (cont)

RO JPM EC -

Revised/Enhanced initial conditions and examiner cues/notes for ease of administration and clarity.

RO JPM EP –

Revised/Enhanced initial conditions and examiner cues/notes for ease of administration and clarity.

Swapped JPM steps 6 and 7 to match the order of procedure steps.

INPLANT JPMS

P-1

Revised/Enhanced initial conditions and examiner cues/notes for ease of administration and clarity.

P-2

Changed JPM from electrical isolation to mechanical and electrical isolation.

Changed the selected HCU.

Removed wording at the end of the JPM addressing tie-wrapping equipment.

Added a map of HCU locations.

P-3

New JPM

Revised/Enhanced initial conditions and examiner cues/notes for ease of administration and clarity.

SIMULATOR JPMs

ALL –

Added note “DO NOT USE SIMULATOR PAGE SYSTEM” for announcements.

ALL –

Revised/Enhanced initial conditions and examiner cues/notes for ease of administration and clarity.

S-3

Changed status of step 9 to Sat/Unsat.

S-8

The last step of the JPM was removed because it was redundant and unnecessary.

NMP2 AUGUST 2009 NRC Operating Exam
Changes made during NRC validation week 7-27-09

SCENARIOS

ALL –

Revised/Enhanced initial conditions and examiner cues/notes for ease of administration and clarity.

Low Power –

No additional changes.

Scenario 2 –

Revised malfunction for Event 7 – SLC initiation/RWCU isolation.

Scenario 3 –

Revised wording on Critical Task 1.0 to reflect potential use of low pressure ECCS for RPV level restoration.

Scenario 4 –

No additional changes.