

ES-401

Form ES-401-9

FACILITY: RIVER BEND
 EXAM DATE: NOVEMBER 2000
 CHIEF EXAMINER: M MURPHY
 REVIEWER: RE LANTZ

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. U/E/S	6. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward		
1	F	3										S	
2	H	3	✓									S	Edit stem... "CDR Pump A is tagged (?).." Will delete.
3	H	2										S	
4	F	2		✓								E	Answer is on ly one with (2) Change number of valves.
5	H	3										S	SRO KA (3.6)
6	F	4										S	KAOK OK
7	H	2										S	put answer in logical order no change
8	F	3		✓								E	consider removing 1200/1400 from a/c replace with "this weight" will change
9	F	3										S	KAOK OK
10	H	3		✓								E	KAOK Very similar to Q#1... consider replacing one No change.
11	H	3		✓			✓					E	Change stem to say SRV cycled.. Delete "after the SRV is closed" in D, modify others to fit will change
12	F	3										S	
13	F	2										U	GFES? OK
14	H	3										S	KAOK OK
15	H	3										S	
16	H	3										S	
17	F	2										S	
18	H	3										S	KAOK I s this a training reference, approved for use in the control room? Delete reference.
19	H	3										S	KAOK Edit typo in Q will change
20	H	4										S	add "due to automatic trip.." in A will add

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. U/E/S	6. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward		
21	H	3										S	
22	H	3				✓						E	make B 707 willchange... how much of Encl 15 will be handed out? All of it.
23	H	2					✓					E	put in logical order, change Q to which is the shortest time that meets the MINIM UM..
24	H	3										S	KAOK OK
25	H	3										S	add "scheduled" refueling outage to stem will add
26	H	4										S	KAOK OK
27	H	4				✓	✓					E	KAOK what was power reduced to? To add credibility to A Changed distractor 'A'.
28	F	2										S	KAOK OK
29	H	3										S	
30	H	4				✓	✓					E	B not credible by stem, A, D too similar, asks same KA as Q#22 Typo in 'C', will fix
31	H	3										S	
32	F	2		✓								E	KAOK reword C similar to others will change
33	H	3										S	KAOK OK
34	F	3					✓					S	KAOK at what point does C occur? Change 'C' to "first feed pump"
35	H	4										S	
36	H	4										S	
37	F	3										S	
38	F	3										S	
39	H	3										S	KAOK OK
40	H	3										S	KAOK add last bullet in stem to Q will change
41	H	3					✓					U	why are A, D incorrect Required in service per EOOP 3
42	H	3	✓									E	modify stem and Qs, add.. "with an ATWS condition present," Delete 'on an ATWS condition' from 'C' and 'D'.
43	H	2				✓						S	KAOK OK
44	H	3										S	why half scram dev? no change

[illegible]

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. U/E/S	6. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward		
70	H	3										S	
71	H	3	✓									E	why is RPV water lvl needed? Other info is on handout, revise stem Will fix.
72	F	4						✓	✓			U	edit stem, is there a specific reason why this Q is being asked? Edited, Yes.
73	F	2										S	
74	H	3										S	KAOK edit C, valves then pumps OK No change
75	H	3										S	
76	H	4										S	
77	H	3										S	
78	H	3										S	
79	H	3										S	KAOK OK
80	H	3										S	
81	H	3										S	
82	H	3										S	what is *? Edit No change
83	H	3	✓									S	KAOK RO IM? Remove T/S attached cue RO level OK, will remove
84	H	3										S	KAOK edit stem OK
85	H	3				✓						E	KAOK reword answer/distractors... Confusing no change
86	F	3				✓						E	Is A correct? B not very credible Yes, revised stem.
87	H	3										S	RO IM? Yes
88	H	3										S	
89	H	3										S	
90	F	2										S	
91	H	2										S	
92	F	1						✓				U	GFES? Ask what type is used for a specific location fire No, no change.
93	H	2										S	KA value 2.8 OK
94	F	4										S	edit stem, is D correct? Edited, 'D' is correct.

[illegible]

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. U/E/S	6. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward		
119	F	4										S	KAOK OK
120	F	3										S	KA 241000 K6.05 (3.4) OK
121	H	1										U	
122	H	2										S	
123	H	3										S	
124	H	3										S	
125	H	3										S	
126	F	3										E	add to stem "to the Recovery Manager.." OK
127	H	2										S	
128	H	3										S	KAOK OK Edit last stem bullet.

NUEG-1021, evi1ion 8

River Bend Initial Examination
Nov 2000
Chief Examiner: M. Murphy
Reviewer: R. LANTZ

INITIAL EXAMINATION DESK GUIDE APPENDIX E - REGION IV OPERATING TEST JOB PERFORMANCE MEASURE QUALITY REVIEW MATRIX											
JPM#	1. Dyn (D/S)	2. LOD (1-5)	3. Attributes					4. Job Content Errors		5. U/E/S	6. Explanation (See below for instructions)
			IC Focus	Cues	Critical Steps	Scope (N/B)	Over- lap	Job- Link	Minutia		
A.1.1	S	3			3					S	
A.1.2	S	3			3					S	
A.2	S	3			3					S	
A.3	S	3			3					S	step 8 is critical Fixed
A.4	S	2			2					E	better to ask a more technically challenging classification, with plant/system data Modified.
1	D	2			2		✓			U	This task done in scenario SIS05.02... evaluate for replacement Leave JPM, Modify scenario.
2	D	2			2		✓			E	Except for alternate path, this is also done in sceanrio SIS01.02... Replaced.
3	D	3			5					U	replace due to repeat safety function of JPM#8, replace with b/u JPM 404-01 Replaced.
4	S	3			4					S	The standard in step 6 is confusing Fixed.
5	S	2			3					S	
6	D	3			9					S	
7	S	2			13					S	Step 11, performance step, add "open" at start. Done.
8	D	3			9					S	
9	D	3			8					S	
10	S	3			11					S	Step 1, performance step, Add "...dey" after "...Bar". Done.

INITIAL EXAMINATION DESK GUIDE APPENDIX F - REGION IV OPERATING TEST QUESTION QUALITY REVIEW MATRIX															
Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Errors					4. Job Content Errors				5. U/E/S	6. Explanation (See below for instructions)		
			Stem Focus	Direct L/U	One Ans	Min Resp	Scope (TS?)	Job-Link	Minu-tia	SRO Only	Back-wards				
A.4.1	F	3										U	Possible overlap with written, consider replacement	OFF Topic	Replace.
A.4.2	F	3										U		OFF Topic	Replace.

Scenario Review comments:

General:

Timelines need to be developed, instead of simply a linear progression of events, need to establish expectations for the time frame required by a competent crew to accomplish the task.

Several Instrument failures do not appear to have significant affect on the plant. These need to be replaced with failures that require operator action to mitigate the consequences of the failure.

Scenario SIS 01.02

Event 2 and 3, not appear as valid Instrument failures

WILL ASSESS AND ENHANCE.

Scenario SIS 03.03

Event 1A, not appear as valid Instrument failure, but good for tech spec application

Event 2 and 3, looks like a communication drill more than a valid failure

WILL ASSESS AND ENHANCE.

Scenario SIS 05.02

Post trip Msv leakage and HPCS trip, not clear that they would count as valid failures. Need to evaluate compensatory actions taken, beyond recognition and reporting.

WILL REPLACE WITH B/U 10.01.

Instructions for Completing Matrix (Complete for either all items or all items requiring comment):

1. Determine whether the task is dynamic (D) or static (S). A dynamic task is one that involves continuous monitoring and response to varying parameters. A static task is basically an system reconfiguration or realignment.
2. Determine level of difficulty (LOD) using established 1-5 rating scale. Levels 1 and 5 represent inappropriate (low or high) discriminatory level for the license being tested.
3. Check the appropriate box when an attribute weakness is identified:
 - The initiating cue is not sufficiently clear to ensure the operator understands the task and how to begin.
 - The JPM does not contain sufficient cues that are objective (not leading).
 - All critical steps (elements) have not been properly identified.
 - Scope of the task is either too narrow (N) or too broad (B).
 - Excessive overlap with other part of operating test or written examination.
4. Check the appropriate box when a job content error is identified:
 - Topics not linked to job content (e.g., disguised task, not required in real job).
 - Task is trivial and without safety significance.
5. Based on the reviewer's judgment, is the JPM as written (U)nacceptable (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?
6. Provide a brief description of problem in the explanation column.