

From: Ryan Lantz
To: Tony Gody
Date: 10/31/01 8:54PM
Subject: 401-9 WC DEC 2001 exams

I have finished the initial sampling... 5 UNSAT questions, which allows us to continue with the 100% review.

4 of the U's were related to SRO only Q's that were not actually SRO only. This area should be focused on during the 100% review. The other U was a steam tables GFES that I marked U because I had already reviewed another simple steam tables Q.

One of the U SRO only Qs also had an incorrect K/A, and one other Q on the initial sample had a K/A that I could not locate, so I suspect a typo.... which I did not mark as U.

The 401-9 is in the S/DRS/OB/Exams/WC dir.

Any Q's, I'll be home all weekend, back in the office on Monday. I have put the operating test in Mike Murphy's office, and the written in Tom Stetka's. Good luck, and thanks for the help.

Ryan

CC: Howard Bundy; Michael Murphy; Tom Stetka

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		
17	H	3		X										E	Change dist. "D" to read "...charging DECREASES..." <i>Resolution: Incorporated.</i>
18	H	2												S	
19*	H	2										y		E	Consider adding to stem.. Should be taken "immediately" <i>Resolution: Incorporated.</i>
20	H	2		X										E	Change dist. "B" to read "Restart RHR Train A." <i>Resolution: Incorporated.</i>
21	F	2										Y		S	
22	F	2												S	
23*	H	2										Y		S	K/A importance values incorrect: 3.3/4.1 <i>Resolution: Corrected IVs.</i>
24	H	3												S	
25	H	2												S	
26	F	2												S	
27*	H	2										Y		S	
28	F	2												S	
29	F	2												S	
30	H	3												E	It is too easy for applicant to eliminate all distractors. Suggest Distractor C be something other than 49.5%. <i>Resolution: Incorporated.</i>
31	H	2												S	
32	H	2										Y		S	
33	H	2		X										E	"Backflow in the idle loop." provides a cue to the correct answer. <i>Resolution: Changed wording.</i>
34	H	2												S	
35	F	2												S	
36	H	2		X										E	Change dist. "D" to read: "The SR block will have to be manually reset at their respective cabinets." <i>Resolution: Incorporated.</i>
37*	H	3										Y		S	

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			
60*	F	2											Y		S	
61	F	3													S	
62	F	2													S	
63	F	2											N		U	KA should be 086 K4.03. <i>Resolution: Changed question to match K/A.</i>
64	H	2				X									E	Dist. "D" not credible. <i>Resolution: Changed Distractor D.</i>
65	F	3													S	
66*	H	3											Y		E	Change A-H2 conc 3.2% incr slow, D-H2 conc 4.5% decr slow <i>Resolution: Incorporated.</i>
67	H	3												X	U	Appears to be a SRO only question. <i>Resolution: Revised question.</i>
68	H	3													S	
69	H	3											Y		S	
70	F	3													S	
71	H	3													S	
72	H	2													S	
73	H	2	X												E	Stem should state what procedure is in progress to be consistent with the dist. <i>Resolution: Incorporated.</i>
74	F	2													S	
75	F	2											Y		S	
R76	H	3					X								U	Cannot determine correct answer. Answer given is inconsistent with dist. and inconsistent with Step 12 of EMG E-3. Correct answer appears to be dist. "B". Question does not appear to match K/A. <i>Resolution: Rewrote question.</i>
R77	H	3													S	
R78*	H	2											Y		S	
R79	H	3													E	Based on the explanation, Choice C is not clearly incorrect. <i>Resolution: C is the answer.</i>

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		
R80	H	2		X										E	Consider changing dist. "D" to read >8 hours. <i>Resolution: Incorporated.</i>
R81	H	3									Y			S	
R82	F	2												S	
R83*	F	2									Y			S	Typo In b...(CISB) <i>Resolution: Incorporated.</i>
R84	F	3												S	
R85*	F	2									Y			S	
R86	H	2												S	
R87	H	2				X								E	It is unlikely that anyone would believe Distractor A. <i>Resolution: Changed distractor.</i>
R88	F	2				X					Y			S	It is unlikely that anyone would believe Distractor A. <i>Resolution: Changed distractor.</i>
R89	F	2												S	
R90*	H	3									Y			S	
R91	F	2												S	
R92*	H	3									Y			S	
R93	F	2												S	
R94	F	2												S	
R95	F	3												S	
R96	F	2												S	
R97*	F	2									Y			S	
R98	F	2												S	
R99	F	2												S	
R100	F	2									Y			S	
S76	H	3											Y	S	
S77	H	2											Y	S	

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			
S78	F	3											N	U	<i>Resolution: Replaced question.</i>	
S79*	H	3										Y	N	U	<i>Resolution: Replaced question.</i>	
S80*	H	3										Y	Y	S		
S81	H	4											Y	S		
S82	H	3											Y	S		
S83	H	2											Y	S		
S84	H	3											Y	S		
S85*	H	2										Y	Y	S		
S86	H	3											Y	S		
S87	H	3										Y	Y	S		
S88	F	2											Y	S		
S89	H	3											N	U	<i>Resolution: Replaced question.</i>	
S90*	H	2										N	N	U	<i>Resolution: Replaced question.</i>	
S91	F	2											Y	S		
S92*	F	2										Y	N	U	<i>Resolution: Replaced question.</i>	
S93	F	2											Y	S		
S94	F	2										Y	Y	S		
S95	F	2											Y	S		
S96	F	2											N	U	<i>Resolution: It is a 55.41(12) K/A which is a unique SO responsibility at plant. Retained.</i>	
S97	F	2				X							Y	U	Dist. "C" and "D" not credible. <i>Resolution: Changed distractors.</i>	
S98*	F	1											Y	N	U	Only a simple calculation. <i>Resolution: Rewrote question.</i>
S99	F	2											Y	S		
S100	F	2											Y	S		

NOTE: Question Distribution: 93 - NEW, 11 - MOD, 21 - BANK

LOK: RO and SRO - 58% H, 42% F

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)	Overlap	Job-Link	Minutia		
SRO/RO A1	S	2								S	
SRO A2	S	2								S	
SRO A3	S	3								S	
SRO/RO A4	S	3								S	
SRO A5	S	3								S	
RO A2	S	3								E	Consider making more challenging by having applicant select procedure. <i>Resolution: Incorporated.</i>

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.

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		
S-1	D	3								E	Complete the Standard in element 18. Element 18* should be 19*. <i>Resolution: Incorporated.</i>
S-2	S	2								S	
S-3	S	1								U	Justify use of this JPM or replace with a higher LOD. <i>Resolution: This is an infrequently performed task of high safety significance. Potential unfamiliarity with task offers opportunities for errors.</i>
S-4	D	2								S	
S-5	D	3			X					S	Why is Step 20.c.2 not critical? <i>Resolution: Made step critical.</i>
S-6	D	3								S	
C-1	S	1								U	Justify use of the JPM or replace with a higher LOD. <i>Resolution: Replaced JPM.</i>
P-1	S	2								S	
P-2	S	2								S	
P-3	S	2								S	For an alternate path task , applicant is supposed to perform task in accordance with plant procedures. Suggest directing applicant to establish emergency boration per OFN vice telling him which valve to open. <i>Resolution: Incorporated.</i>

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 a 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.

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		

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

1. Classify level of knowledge (LOK) as either (F)undamental or (H)igher cognitive level.
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 a psychometric error is identified:
 - Stem lacks sufficient focus to solicit only the answers listed (e.g., unclear on intent, answer needed, or unnecessarily negatively phrased)
 - Direct lookup (e.g., desired answer contained in obvious reference),
 - Question does NOT solicit single demonstrably correct answer,
 - Minimum response for passing credit NOT described in key,
 - Scope of question outside guidance of NUREG (e.g., why not how, TS bases not system, emergency not emergency plan),
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, invalid K/A).
 - Recall of too specific knowledge,
 - RO test items test at the SRO job level or vice versa,
 - Reverse logic or application compared to job.
5. 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?
6. Provide a brief description of problem in the explanation column.

WOLF CREEK GENERATING STATION

INITIAL EXAMINATIONS

DECEMBER 2001

Comments on the scenarios:

Scenario No. 1

1. Form 301-4 lists 4 critical tasks, the scenario only identifies 2 CTs. *Resolution: Reconciled CTs in checklist and scenario.*
2. Initials were not entered for the target quantitative attributes 1 thru 7 on form 301-4.

Scenario No. 2

1. Initials were not entered for the target quantitative attributes 1 thru 7 on form 301-4.

Scenario No. 3

1. Initials were not entered for the target quantitative attributes 1 thru 7 on form 301-4.

Scenario No. 4

1. Form 301-4 lists 3 critical tasks, the scenario identifies 4 CTs. *Resolution: Scenario deleted because of reduction in number of applicants.*
2. Initials were not entered for the target quantitative attributes 1 thru 7 on form 301-4.

Scenario No. 6

1. Form 301-4 lists 3 critical tasks, the scenario identifies 4 CTs. *Resolution: Reconciled CTs in checklist and scenario.*
2. Initials were not entered for the target quantitative attributes 1 thru 7 on form 301-4.

General resolution comment: Initials were entered for all attributes on Form 301-4.