From:	Ryan Lantz
То:	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

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ES-401	
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FACILITY: Wolf Creek EXAM DATE: Dec 2001 CHIEF EXAMINER: H Bundy REVIEWER: R Lantz/ T. Stetka * Indicates part of initial sample

0,4	1.	2. LOD	3	3. Psyc	homet	ric Flaw	S	4.	Job Cont	ent Fla	aws	5.	Other	6.	7.
Q#	LOK (F/H)	(1-5)	Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q= K/A	SRO Only	U/E/S	Explanation
1*	F	3				х						у		Е	Depending on the location of the dropped rod, it is not clear that Distractor D is an incorrect answer. <i>Resolution: Clear as written.</i> <i>Question involves a "stuck rod".</i>
2	Н	2												S	
3*	F	3				х						у		Е	Put in actual readings, not < or > Resolution: Incoporated.
4*	Н	3	Х									у		E	Reword stem "annunciator and not resulting in a reactor trip" Resolution: Incorporated.
5	Η	2	Х	Х										E	Reword stem "Why are spray valves ineffective at reduced pressure?" Replace A with " at this press/temp heat input is matching spray flow effectiveness" <i>Resolution: Incorporated.</i>
6	Н	3				х								E	Distractor C appears to be partially correct, in that MSL would not occur if containment pressure is below the High-2 pressure signal. It appears to be at the compreshension of analysis level. <i>Resolution: Changed Distractor C</i> .
7	н	4												S	
8	F	3												S	
9	Н	3												S	
10	F	1												U	Replace simple steam tables, and already a steam tables Q on test Resolution: Replaced question.
11*	F	3										N		U	K/A should be EK3.2 Resolution: Original KA correct.
12	Н	3		х										Е	Chose alternate answer, with RVLIS LVL Resolution: Changed Distractor D.
13	F	3				х								Е	Replace dist D w/ damage to RCP if Resolution: Incorporated
14*	Н	2										у		S	
15	Н	3										Y		S	
16	н	2												S	

Form ES-401-9

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	1.	2.	3	3. Psyc	homet	ric Flaw	S	4.	Job Cont	ent Fla	aws	5.	Other	6.	7.
Q#	LOK (F/H)	LOD (1-5)	Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q= K/A	SRO Only	U/E/S	Explanation
17	Н	3		х										E	Change dist. "D" to read "charging DECREASES" <i>Resolution: Incorporated.</i>
18	Н	2												S	
19*	Н	2										у		E	Consider adding to stem Should be taken "immediately" <i>Resolution: Incorporated.</i>
20	Н	2		х										Е	Change dist. "B" to read "Restart RHR Train A." <i>Resolution:</i> Incorporated.
21	F	2										Y		S	
22	F	2												s	
23*	н	2										Y		s	K/A importance values incorrect: 3.3/4.1 Resolution: Corrected IVs.
24	Н	3												S	
25	н	2												S	
26	F	2												s	
27*	н	2										Y		s	
28	F	2												s	
29	F	2												s	
30	н	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	н	2												S	
32	н	2										Y		S	
33	Н	2		х										E	"Backflow in the idle loop." provides a cue to the correct answer. Resolution: Changed wording.
34	н	2												S	
35	F	2												S	
36	Н	2		х										E	Change dist. "D" to read: "The SR block will have to be manually reset at their respective cabinents." <i>Resolution: Incorporated.</i>
37*	н	3										Y		S	

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	1.	2.	3	3. Psyc	hometi	ric Flaw	S	4.	Job Cont	ent Fla	aws	5.	Other	6.	7.
Q#	LOK (F/H)	LOD (1-5)	Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q= K/A	SRO Only	U/E/S	Explanation
38	F	2												S	
39	н	3												S	
40*	F	3										Y		Е	Ref says <4# press, change A to 3.8#, change B to read 280# Resolution: Incorporated.
41	F	2												S	
42	F	2										Y		Е	Explanation indicates that Distractor D is also correct. <i>Resolution: Changed Distractor D</i> .
43	F	2												S	
44*	н	2										Y		S	
45	F	3												S	
46	н	2												S	
47*	Н	2										Y		S	Dist. "C" should say reactor coolant vice RCS Resolution: Incorporated.
48*	Н	2										?		E	Unable to locate the K/A Resolution: K/A located under Safety Function 2.
49	Н	2												S	
50	F	2				х								U	Dist. "A" not cedible. Resolution: Changed Distractor A.
51	Н	3				Х								E	Dist. "A" appears to be incorrect based on explanation. <i>Resolution: Changed distractor and explanation.</i>
52	Н	3												S	
53*	Н	4										Y		S	Expected from memory? Resolution: Replaced question.
54	F	2												S	
55*	Н	3										Y		S	
56	Н	3												S	
57	F	2												S	
58	F	2										Y		S	
59	Н	2												S	

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_	1.	2.	3	8. Psycl	nometr	ric Flaw	s	4.	Job Cont	ent Fla	aws	5.	Other	6.	7.
Q#	LOK (F/H)	LOD (1-5)	Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q= K/A	SRO Only	U/E/S	Explanation
60*	F	2										Y		s	
61	F	3												S	
62	F	2												s	
63	F	2										Ν		U	KA should be 086 K4.03. <i>Resolution: Changed question to match</i> K/A.
64	н	2				х								Е	Dist. "D" not credible. Resolution: Changed Distractor D.
65	F	3												S	
66*	н	3										Y		E	Change A-H2 conc 3.2% incr slow, D-H2 conc 4.5% decr slow Resolution: Incorporated.
67	н	3											Х	U	Appears to be a SRO only question. Resolution: Revised question.
68	н	3												s	
69	н	3										Y		s	
70	F	3												s	
71	н	3												s	
72	н	2												s	
73	Н	2	х											Е	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	Н	3					х							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	н	3												s	
R78*	н	2										Y		S	
R79	Н	3												E	Based on the explanation, Choice C is not clearly incorrect. Resolution: C is the answer.

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	1.	2.	3	3. Psyc	hometr	ric Flaw	S	4.	Job Cont	ent Fla	aws	5.	Other	6.	7.
Q#	LOK (F/H)	LOD (1-5)	Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q= K/A	SRO Only	U/E/S	Explanation
R80	Н	2		х										Е	Consider changing dist. "D" to read >8 hours. <i>Resolution: Incorporated.</i>
R81	н	3										Y		S	
R82	F	2												S	
R83*	F	2										Y		s	Typo In b(CISB) Resolution: Incorporated.
R84	F	3												S	
R85*	F	2										Y		S	
R86	н	2												S	
R87	Н	2				Х								Е	It is unlikely that anyone would believe Distractor A. <i>Resolution: Changed distractor.</i>
R88	F	2				Х						Y		S	It is unlikely that anyone would believe Distractor A. Resolution: Changed distractor.
R89	F	2												S	
R90*	н	3										Y		S	
R91	F	2												S	
R92*	Н	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	н	3											Y	S	
S77	Н	2											Y	S	

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0.1	1.	2.	3	3. Psyc	hometi	ric Flaw	S	4.	Job Cont	tent Fla	aws	5.	Other	6.	7.
Q#	LOK (F/H)	LOD (1-5)	Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q= K/A	SRO Only	U/E/S	Explanation
S78	F	3											N	U	Resolution: Replaced question.
S79*	н	3										Y	N	U	Resolution: Replaced question.
S80*	н	3										Y	Y	s	
S81	н	4											Y	s	
S82	н	3											Y	s	
S83	н	2											Y	s	
S84	н	3											Y	s	
S85*	н	2										Y	Y	s	
S86	н	3											Y	s	
S87	н	3										Y	Y	s	
S88	F	2											Y	s	
S89	н	3											N	U	Resolution: Replaced question.
S90*	н	2										N	N	U	Resolution: Replaced question.
S91	F	2											Y	s	
S92*	F	2										Y	N	U	Resolution: Replaced question.
S93	F	2											Y	s	
S94	F	2										Y	Y	s	
S95	F	2											Y	s	
S96	F	2											Ν	U	Resolution: It is a 55.41(12) K/A which is a unique SO responsibility at plant. Retained.
S97	F	2				Х							Y	U	Dist. "C" and "D" not credible. Resolution: Changed distractors.
S98*	F	1										Y	N	U	Only a simple calculation. Resolution: Rewrote question.
S99	F	2											Y	s	
S100	F	2										Y	Y	S	

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

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

					APPEND	IX E - RE	EGION IV	OPERA	TING TES	ST JOB I	PERFORMANCE MEASURE QUALITY REVIEW MATRIX
JPM#	1. Dyn	2. LOD		3	3. Attribut	es			Content rrors	5.	6. Explanation
	(D/S)	(1-5)	IC Focus	Cues	Critical Steps	Scope (N/B)	Over- Iap	Job- Link	Minutia	U/E/S	(See below for instructions)
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. Resolution: Incorporated.
				nstruc	ctions f	or Com	pleting) Matri	ix (Com	plete f	for either all items or all items requiring comment):
4 F) otorm	ine wh	othar t	ha taa	uk in du	nomio	(D) or (totio		lunam	is task is one that involves continuous menitoring and response to
							. ,		. ,	•	ic task is one that involves continuous monitoring and response to ration or realignment.
											ale. Levels 1 and 5 represent inappropriate (low or high) discriminatory
					tested.	, u	•			0	
				•			ibute w	eakne	ess is id	entifie	d:
•											erator understands the task and how to begin.
•											e (not leading).
•				• •		,		•	operly i		
•									too broa		en examination.
4. C									is ident		
4. C											required in real job).
•		•			without			-		, 1101 1	
5. E										nacce	eptable (requiring repair or replacement), in need of (E)ditorial
		ement			-				. /		
6. F	Provide	e a brie	f descr	iption	of prol	olem in	the ex	plana	tion col	umn.	

					APPEND	IXE-RE	EGION IV	OPER	ATING TES	ST JOB I	PERFORMANCE MEASURE QUALITY REVIEW MATRIX
JPM#	1. Dyn	2. LOD		3. Attributes					4. Job Content Errors		6. Explanation
	(D/S)	(1-5)	IC Focus	Cues	Critical Steps	Scope (N/B)	Over- Iap	Job- Link	Minutia	U/E/S	(See below for instructions)
S-1	D	3							E	Complete the Standard in element 18. Element 18* should be 19*. Resolution: Incorporated.	
S-2	S	2								S	
S-3	S	1								U	Justify use of this JPM or replace with a higher LOD. Resolution: This is an infrequently performed task of high safety significance. Potential unfamiliarity with task offers opportunities for errors.
S-4	D	2								S	
S-5	D	3			х					S	Why is Step 20.c.2 not critical? Resolution: Made step critical.
S-6	D	3								S	
C-1	S	1								U	Justify use of the JPM or replace with a higher LOD. Resolution: Replaced JPM.
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 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 ich content (o.g., diaguiand took, not required in real ich)

- 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													
0#	1. LOK (F/H)	2. LOD (1-5)		3. Psyc	hometri	c Errors		4.	Job Con	tent Erro	ors	5. U/E/S	6. Explanation (See below for instructions)
Q#			Stem Focus	Direct L/U	One Ans	Min Resp	Scope (TS?)	Job- Link	Minu- tia	SRO Only	Back- wards		
A.3.1	F	2										U	How does this question relate to Topic A.2, "Equipment Control." Provide a more precise answer, e.g., lower temperature to be under the applicable pressure curve. Resolution: Question is responsive to KA. Provided a more precise answer.
A.3.2	F	2										S	
A.5.1	F	3										U	Explain why this is not a direct lookup question. Correct spelling, replace 'seen' with 'scene' in answer part 1. <i>Resolution:</i> <i>Replaced Questions A5.1 and A5.2 with a</i> <i>JPM</i> .
A.5.2	F	3										E	Provide correct answer for examiner'a benefit. <i>Resolution: Replaced.</i>

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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.	6.
			Stem Focus	Direct L/U	One Ans	Min Resp	Scope (TS?)	Job- Link	Minu- tia	SRO Only	Back- wards	U/E/S	Explanation (See below for instructions)
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.	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.											ted.	
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,											TO 1	
	 Scope of question outside guidance of NUREG (e.g., why not how, TS bases not system, 										ow, TS bases not system,		
	0.		nergen			• •					(:C).		
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.											toble (requiring repair or	
5.	Based on the reviewer's judgment, is the question as written (U)nacceptable (requiring repair or											otable (requiring repair of	
	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.