ES-401   Form ES-401-9

FACILITY: ANO 1 Unit 2
EXAM DATE: Feb 2002
CHIEF EXAMINER: P Gage
REVIEWER: R Lantz
* Indicates part of initial sample

Q# (ID #)	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	Back-ward	Q= K/A	SRO Only		
377	H	3												S	from memory?
378	H	2												S	
379	H	3												S	
R381*	H	3										✔		S	
382*	F	3										✔		S	
383	H	3												S	
R384	H	2												S	
385	F	3												S	should name procedure in stem
386*	F	3										✔		S	
387*	H	3										✔		S	
388	F	2												S	
389*	F	3										✔		S	
390	F	2												S	
391	H	4												S	
392	F	3												S	
R393	H	3				✔								E	switch a, b... change d to A-running unloaded, b-standby
394*	H	3										✔		S	
R395	F	1						✔						U	not licensed level... unless unique to the CR?
S396	F	2												S	
397	H	2												S	
398	F	3												E	dist d seems incomplete

Q# (ID #)	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	Back-ward	Q= K/A	SRO Only		
399	F	2												S	
R400	F	2												S	
R401	F	3												S	
R405*	F	2	✔	✔								✔		U	remove yellow from 2 dist's, add some initial conditions to stem
R406	F	2												S	
407*	F	2										✔		S	
S409*	H	3										✔	✔	S	
S412	H	3												S	
S413	H	4												S	
S415	F	4												S	
S416	F	4												S	
S417	H	3												S	
S418	H	3												S	
S419	H	3												S	
S420	F	3												E	edit typo in stem?, NRC notification? Time?
R421*	F	3										✔		S	
S422	F	3				✔								U	reword a and c... suggest c read that approval can be granted without completion of the 50.59 Evaluation
S423*	H	2										✔	✔	S	
S425	F	2												S	
S428	H	3		✔										U	very similar to prior question, see 409
S429	F	2												S	
S430	H	2												S	notes are in error?
R431	F	3												S	
R432*	H	4										✔		S	

Q# (ID #)	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	Back-ward	Q= K/A	SRO Only		
R433	H	4												S	
R434*	H	3										✔		S	
R435	H	3												S	
S436	H	2		✔		✔								E	d not credible and cues answer verify others are incorrect
S438*	H	2										✔	✔	S	
R439	F	2												S	
S441	H	2				✔								E	c does not make sense: suggest: b trip, d out of bypass, b bypass, d to trip
442	F	3												S	
S443	F	3		✔										E	b- remove "licensed limit" (cue)
444	H	3												S	notes have typo
S445	H	2												S	
037*	H	2										✔		S	
S070*	F	2										✔	N	U	55.43 ref? Good Q, but not SRO only lvl.
S136*	H	3										✔	✔	S	required from memory?
S161	H	3												S	is a manual SIAS performed as backup to auto?
219	F	3												S	
S296	H	2												S	
R298*	F	2										✔		S	
300	H	3												S	are each a valid makeup source when power is available?
308	H	2												E	d - delete "remain at power and" (cue)
309	F	3												S	
310	F	3												S	
311	F	3				✔								E	make up another vent location for a, and or b

Q# (ID #)	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7.
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only		Explanation
312*	H	3										✔		S	
313	H	3												S	
314*	H	3										✔		S	
315	H	3												S	
316*	H	3										✔		S	
S318	F	3												S	
319	H	3												S	
320	H	3												S	
321	F	4												E	add "auto (close)" to A, B- add "containment (press/temp)"
322*	H	3										✔		S	
R323*	H	2										✔		S	
324	H	2												S	
325	H	2												S	
326	H	2												S	
327	H	2			✔									E	SRO lvl? Pick 2 other distractors.. Answer does not challenge the Q
328	F	3												S	
329	H	2												S	
S330*	H	4										✔	N	U	SRO lvl needs action to be taken after diagnosis...
R331*	H	3										✔		S	
332	F	2		✔			✔							U	similar concept asked in prior Q.. 327
S333*	H	3										✔	✔	S	
R334	F	2				✔								S	c- is it still incorrect if "maximze.. MTS"?
336	H	2												S	
S337	H	2		✔								N		U	similar prior Q, see 363... k/a not good match

Q# (ID #)	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7.
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only		Explanation
338	H	3												S	
R339*	F	3										✔		S	
340	F	2		✔										U	QID 418 already test when to go the the FRP for SRO
341*	H	3										✔		S	any magnitude clarifiers needed?
342	H	2				✔								E	
R343	F	2												S	
R344*	H	3										✔		S	
345*	F	3										✔		S	
346	F	3												S	from memory OK?
R347	F	2												S	
348*	H	2										✔		S	
R349*	H	2										✔		S	
350	F	3												S	
351	H	2												S	
352*	F	4										✔		S	
R353	F	3												S	
354*	F	3										✔		S	
355	F	4												S	from memory OK?
356	H	3												S	
357	F	4												S	
358	H	3												S	
359	H	2												S	
360	F	3												S	
361*	H	4										✔		S	

Q# (ID #)	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7.
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only		Explanation
R362	H	3												S	
363	H	2		✔										U	similar to 337, and 362
364	H	2												E	no handout? Better to add action required based on a reading in plant compared to graph reading
365	H	2												S	no handout?
R366	F	1						✔						U	GFES
367	F	3												S	
368	F	3												S	
R369	F	3												S	
370	H	3												S	
371	F	3												S	
372	H	2												S	
373	F	4												S	
374	H	3												S	

Ano1 unit 2, Feb 2002
Reviewer: Ryan Lantz
Chief Examiner: Pual Gage
Author: Facility

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		
			APPENDIX E - REGION IV OPERATING TEST JOB PERFORMANCE MEASURE QUALITY REVIEW MATRIX								
ROA1.1	S	2								S	
RO A2	S	3								S	
SRO A1.1	S	2								S	
SRO A1.2	S	3								S	
SRO A2	S	3								S	
B.1.a	S	2								S	
B.1.b	D	3			✓					E	Need to have a failure criteria for stopping the EDG... ie, prior to load reaching 2000kw.
B.1.c	D	2				N				E	weak alt task, only recognize not open then open. Swithc lineup
B.1.d	D	3								S	
B.1.e	D	3								S	consider adding a pressure band to establish, then observe applicant lowering pressure to establish using the aux spray.
B.1.f	D	2								S	simple switch lineup
B.1.g	D	2								S	
B.2.a	S	2								S	
B.2.b	S	3								S	
B.2.c	S	2								S	

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		
RA1.2a	H	3				✓						E	Specify that a reference or explanation is required within the response.
RA1.2b	H	4	✓			✓						E	Descriptive verbage OK (valve #'s not required); specify SAT acceptance criteria
RA3.1	F	2										S	
RA3.2	F	3										S	
RA4.1	F	2										S	
RA4.2	F	3										S	
SA3.1	F	2										S	
SA3.2	F	3										S	
SA4.1	H	3										S	
SA4.2	H	3										S	

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		

APPENDIX F - REGION IV OPERATING TEST QUESTION QUALITY REVIEW MATRIX

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.

Operating Test Review Comments

Admin

Job Performance Measures

Dynamic Scenarios

Op test 1

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.