

River Bend 2003  
 Chief: Mike Murphy  
 Reviewer: Ryan Lantz  
 ES-401

Written Examination  
 Review Worksheet

Form ES-401-9 (R8, S1)

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	Back- ward	Q= K/A	SRO Only		
B2	H	2										Y		S	
B4	F	2										Y		S	Prior NRC
B5	H	3										Y		S	Prior NRC
B11	H	3										Y		E	B may be arguable as a correct answer, as Q is worded. Resol: Accept as is.
B18	H	3										Y		S	Prior NRC
B19	F	2										Y		S	Prior NRC
B22	F	2										Y		S	Prior NRC
B25	H	3										Y		E	Prior NRC - Ensure handout graph is clean (copy provided has answer marked) Resol: Reference material will be clean.
B27	F	2										Y		S	Prior NRC
B28	F	2										Y		S	Prior NRC

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.
  - More than one distractor is not credible.
  - 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).
- 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?
- At a minimum, explain any "U" ratings (e.g., how the Appendix B psychometric attributes are not being met).

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B31	H	3										Y		S	Prior NRC
B34	H	3										Y		E	Prior NRC. Ensure handout (STM) is not training material. OK if it is an approved/controlled operator sid. Resol: Handout deleted.
B35	H	3										Y		E	Prior NRC. Q implies RWCU is discharging into the RWCU room. Is this correct? Resol: Yes, accept as is.
B40	H	3										Y		E	Not clear why handout is needed. System knowledge can be used to rule out distractors. Resol: Handout deleted.
B44	H	2										Y		E	Prior NRC. Not clear why procedure is needed... specifics from procedure are not required to answer. Resol: Procedure will not be provided.
B47	F	2										Y		S	Prior NRC.
B49	H	2										Y		S	Answer not verifiable from ref. Probably SAT as written.
B55	H	3										Y		S	
B59	H	2				X						Y		E	Dist B not credible. Replace with rapid downpower to less than 60%, then trip one RFP. Resol: Distractor modified.
B66	F	2		X								Y		U	Handout gives info on high level 8 turbine trip... would help with Q B59. Revise question to ask recall from memory automatic trip setpoints Resol: Question replaced.
R76	H	2		X								Y		E	Prior NRC. Handout is not required to answer this Q Resol: Handout deleted.
R79	F	2										Y		S	
R88	H	3										Y		S	
R91	F	2		X								Y		E	Prior NRC. Change initial condition to read that one vessel head closure bolt is detensioned. Resol: Comment incorporated.
R99	F	2												S	
S79	F	2										Y	Y	S	Prior NRC.
S81	H	3										Y	Y	S	Prior NRC.
S85	H	2										Y	Y	S	

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S90	H	3										Y	N	U	Prior NRC. Why is this considered SRO Only? Resol: Accept as is.
S92	H	2										Y	Y	S	Prior NRC.