

Comments on Pilgrim 2007 Exam Outline

Comment By	Comment	Resolution
GAJ	Use Scenarios 2, 3 and 4; Scenario #1 Spare	Agreed via TELCON 12/14/06
GAJ	Ensure ADMIN JPMs for SROs are more in depth than ROs	Agreed via TELCON 12/14/06
GAJ	Ensure questions 22 and 41 are sufficiently different to avoid "double jeopardy"	Agreed via TELCON 12/15/06
GAJ	Ensure system questions with "G" K/A have a correlation with the system. See ES-401 Attachments 1 and 2 for guidance	Agreed via TELCON 12/15/06
GAJ	K/As for questions 3, 80 and 93 may not correlate to the "base" system. Should discuss with CE before attempting to write questions.	Agreed via TELCON 12/15/06
PAP	Heat Balance JPM is a repeat of Aug 2002 exam but is not noted as "P"	Agreed via TELCON 12/18/06
PAP	Pump tagout is similar to JPM on Aug 2002. Recommend doing a fan or compressor tagout.	Agreed via TELCON 12/18/06
PAP	JPM #1 is virtually the same as Aug 02 and Oct 03 exams. Ensure limits for repeat are not exceeded	Agreed via TELCON 12/18/06
PAP	Form ES-301-5 not filled out correctly. This is intended to show that each position is provided the opportunity to get the appropriate number of tasks.	Agreed via TELCON 12/18/06
PAP	For Scenario #1, events 9, 10 and 11 are really an extension of the same malfunction and should not be counted as separate events. Will need to revise ES-301-4	Agreed via TELCON 12/18/06
PAP	3 of 4 scenarios have neutron monitor instrument failures. Does not appear to provide appropriate diversity.	Agreed via TELCON 12/18/06
PAP	No ES-301-6 included in package.	Agreed via TELCON 12/18/06
PAP	Shifting TBCCW pumps for a vibration is a repeat from Aug 2002 scenario.	Agreed via TELCON 12/18/06

~~GAJ USED WRONG FORM#~~
GAJ

~~MADE PERMITS~~
 CHANGE *GAJ*
 REPLACED

Note: Resolution of comments is included in *italics*.

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		
1	H	3										Y	N	S	
2	H	3												E	"B" implausible; press up temp up (GFES) <i>Revised "B"</i>
3	H	2										Y	N	E	Note in explanation pressure control mode does NOT inject into RPV Seems a rather simple question (not very discriminatory) <i>Two SRO validators got it wrong</i> <i>Revised explanation</i>
4	L	2										Y	N	S	
5	H	3										Y	N	S	
6	L	2										Y	N	U	This is not an operational question. Rerword. <i>Selected new K/A; new question</i>
7	L	3										Y	N	S	
8	H	2										Y	N	S	
9	H	2										Y	N	S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Back-ward	Q=K/A		

Instructions

[Refer to Section D of ES-401 and Appendix B for additional information regarding each of the following concepts.]

1. Enter the level of knowledge (LOK) of each question as either (F)undamental or (H)igher cognitive level.
2. 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).
3. 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.
 - The distractors are not credible; single implausible distractors should be repaired, more than one is unacceptable.
 - One or more distractors is (are) partially correct (e.g., if the applicant can make unstated assumptions that are not contradicted by stem).
4. 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.
5. 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).
6. Based on the reviewer's judgment, is the question as written (U)nsatisfactory (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?
7. At a minimum, explain any "U" ratings (e.g., how the Appendix B psychometric attributes are not being met).

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Back-ward	Q=K/A	SRO Only			
10	L	2					X						Y	N	U	Two correct answers. "A" is also correct (see top of reference page) <i>Changed "A" to output amp</i>
11	L	2											Y	N	S*	This is not operationally oriented but is a direct "fit" to the K/A so it is acceptable
12	H	3											Y	N	E	"D(2)" seems implausible with only 40% inputs. <i>Reword to "A Rod Block ONLY should have occurred."</i>
13	H	3											Y*	N	S*	Partial K/A mismatch: does not "predict the impact of the malfunction" <i>However it fits the major part of the K/A</i>
14	H	1-2					X						Y	N	S*	Seems a rather simple question (not very discriminatory) <i>*Two SRO validators got it wrong</i>
15	H	3											Y	N	S	
16	L	4											Y	N	E	Marginal minutia for RO <i>Revised to be clearly RO</i>
17	H	3											Y	N	S	
18	H	2											Y	N	S	
19	H	2											Y	N	E	In "D" add "High Radiation" <i>Done</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	Back-ward	Q=K/A	SRO Only		
20	H	2										Y	N	E	In "C" add " <u>either</u> the A-5..." <i>Done</i>
21	H	3										Y	N	S	
22	H	2										Y	N	S*	Simple power supply question, however meets K/A
23	L	2										Y	N	E	"A" implausible since it is a subset of "B. Add "at ASP" to stem <i>All distractors changed</i>
24	L	2										Y	N	E	K-110 and K-111 should start/load before any of these actions are required. Need to modify stem. <i>Done</i>
25	H	3										Y	N	S	
26	H	3										Y	N	E	Ensure stem conditions establish a "major LOCA". Add "Drywell Pressure increasing" <i>Done</i>

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Back-ward	Q=K/A	SRO Only			
27	L	2											Y	N	S	
28	L	2											Y	N	E	"D" implausible at 90% power Changed to Turbine Trip and Rx Scram

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		
29	H	2										Y	N	S	
30	H	2										Y	N	S	
31	H	3										Y	N	S	
32	H	2										Y	N	S	
33	L	4										Y	N	E	Marginal minutia for RO Reselected K/A; new question
34	H	2										Y	N	S	
35	L	3										Y	N	S	
36	L	2										Y	N	S	
37	H	2										Y	N	S	
38	L	2										Y	N	S	
39	H	2					X					Y	N	U	"D" also correct (see provided reference) Revised "D"
40	H	2										Y	N	S	
41	H	3										Y	N	S	
42	H	3										Y	N	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		
43	L	4										N	N	E	Marginal minutia to use valve # <i>Changed to use nomenclature</i>
44	L	2										Y	N	S	
45	H	4										Y*	N	S*	Weak K/A match but good operational question
46	L	2										Y	N	S	
47	L	4										Y	N	S	
48	H	3										Y	N	E	"C" implausible; just <u>adds</u> heat <i>Changed "C"</i>
49	L	2										Y	N	S	
50	L	3										Y	N	E	add bullet in stem "Rx pressure is 300#" to ensure LPCI initiation <i>Done</i>
51	H	3										Y	N	S	
52	L	3						X				N	N	U	K/A mismatch. K/A is supposed to be "Emergency Plant Evolutions", not normal operations such as surveillance testing <i>New question</i>
53	L	3										Y	N	S	
54	L	2										Y	N	E	Rephrase stem; "to ensure that" does not match grammatically with all distractors <i>Done</i>
55	L	4										Y	N	E	Marginal minutia for RO (K/A=3.4 for RO) Reselected K/A; new question

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		
56	H	2										Y	N	S	
57	L	2										Y	N	S	
58	L	3										Y	N	E	Delete "one smoke detector" and insert a detector number. Current stem provides excess cues <i>Revised question; provided prints to make operational</i>
59	H	2										Y	N	E	No Operator action... <i>Done</i>
60	H	3										Y	N	S	
61	H	2										Y	N	S	
62	L	3										Y	N	S	
63	H	3										Y	N	S	
64	L	2										N*	N	S*	Minor K/A mismatch. Does not ask the <u>reason</u> for the scram. However major part of K/A met.
65	H	4										Y	N	S*	*Although borderline minutia it has a K/A 3.4 for RO
66	L	2										Y	N	S	
67	L	2										Y	N	S	
68	L	3										Y	N	S	
69	L	2										Y	N	S	Note: This question contains SUNSI. Use proper handling.

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		
70	H	2										Y	N	S	
71	H	2										Y	N	S	
72	H	3										Y	N	S	
73	L	2										Y*	N	S*	Acceptable K/A match since PSE is a "related facility control..."
74	H	3										Y	N	S	
75	H	3										Y	N	S	
76	H	2										Y	Y	S	
77	H	4										Y	Y	S	
78	H	3										Y	Y*	E	Need to "select" procedures for 43(5);In "C" cooldown per procedure PNPS 5.3.35.1 <i>Done</i>
79	L	3										Y	Y	S	
80	H	2										Y	Y*	E	Need to "select" procedures to be 43(5); make distractors symmetrical <i>Done</i>
81	H	2										Y	Y	S	add bullet to stem: RPV Pressure 950 psig to facilitate ED <i>Done</i>
82	H	3										Y	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		
83	H	2										Y	N	E	Stem needs work to make more SRO level. Provide data and have SRO conclude HCTL problem. <i>Done</i>
84	H	2										Y	Y	S	
85	H	3										Y	Y	E	Need to "select" procedures for 43(5) <i>Done</i>
86	H	2										Y	Y	S	
87	L	3										Y	Y	S*	SAMG are SRO
88	H	3										Y	Y	S	
89	L	2		X		X		X				Y	N	U	This is a DLO for SRO with TS 3.10.B(3) available. Two implausible distractors ("C" and "D"). <i>Deleted 3.10.B(3) from references; revised "C" and "D".</i>
90	H	3										Y	Y	S	
91	H	2										Y	Y	S	
92	L	3										Y	Y	S*	SUNSI in question
93	L	2				X						Y	Y	U	2 implausible distractors A(2) and C(2) considering PNPS 2.4.143 has been implemented <i>Revised "C" and "D"</i>
94	H	3										Y	Y	S	

