ES-401

## Written Examination Quality Checklist

Form ES-401-6

2. 4 3. 3. 4 5. 0	<ul> <li>a. NRC K/As are refe</li> <li>b. Facility learning ob</li> <li>c. Correct answer exp</li> <li>SRO questions are appropriat</li> <li>The sampling process was ra</li> <li>questions were repeated from program office).</li> <li>Question duplication from the (check the item that applies) a</li> <li>The audit exam was syste</li> <li>the audit exam was completed on the comp</li></ul>	the last two NRC licensing exa licensee screening/audit exam and appears appropriate. matically and randomly develop	lable. s provided ( 0.2.d of ES-4 than four R ams, consult	ES-401, D.2 01 O or two SF	30	a PF1 PF1 PF1 PF1	Initial b* PMN PMN PMN PMN	c*# Kr Kr R	
2. 4 3. 5. 0	<ul> <li>a. NRC K/As are refe</li> <li>b. Facility learning ob</li> <li>c. Correct answer exp</li> <li>SRO questions are appropriat</li> <li>The sampling process was ra</li> <li>questions were repeated from program office).</li> <li>Question duplication from the (check the item that applies) a</li> <li>The audit exam was syste</li> <li>the audit exam was completed on the comp</li></ul>	renced for all questions. jectives are referenced as avai planation and distractor analysi are in accordance with Section D indom and systematic. (If more the last two NRC licensing exa licensee screening/audit exam and appears appropriate. matically and randomly develop	lable. s provided ( 0.2.d of ES-4 than four R ams, consult	ES-401, D.2 01 O or two SF	30	PF1 PF1 PF1	PMN PMN PMN	ka	
2. 4 3. 3. 4 5. 0	<ul> <li>a. NRC K/As are refe</li> <li>b. Facility learning ob</li> <li>c. Correct answer exp</li> <li>SRO questions are appropriat</li> <li>The sampling process was ra</li> <li>questions were repeated from program office).</li> <li>Question duplication from the (check the item that applies) a</li> <li>The audit exam was syste</li> <li>the audit exam was completed on the comp</li></ul>	renced for all questions. jectives are referenced as avai planation and distractor analysi are in accordance with Section D indom and systematic. (If more the last two NRC licensing exa licensee screening/audit exam and appears appropriate. matically and randomly develop	lable. s provided ( 0.2.d of ES-4 than four R ams, consult	ES-401, D.2 01 O or two SF	30	PF1 PF1	РМЛ РШЛ		
3. 3 4	<ul> <li>b. Facility learning ob</li> <li>c. Correct answer exp</li> <li>SRO questions are appropriat</li> <li>The sampling process was ra</li> <li>questions were repeated from program office).</li> <li>Question duplication from the (check the item that applies) at the audit exam was syste</li> <li>the audit exam was completed and the complet</li></ul>	jectives are referenced as available planation and distractor analysis the in accordance with Section D indom and systematic. (If more the last two NRC licensing examined licensee screening/audit examined and appears appropriate. matically and randomly develop	s provided ( 0.2.d of ES-4 than four R ams, consult	01 O or two SF	30	PFI	Ршл	fo Pr	
3. 3 4 - 5. 0	c. Correct answer exp SRO questions are appropriat The sampling process was ra questions were repeated from program office). Question duplication from the (check the item that applies) a The audit exam was syste the audit exam was compl	blanation and distractor analysi te in accordance with Section D ndom and systematic. (If more the last two NRC licensing exa licensee screening/audit exam and appears appropriate. matically and randomly develop	s provided ( 0.2.d of ES-4 than four R ams, consult	01 O or two SF	30	PFI	Ршл	fo Pa	
3. 3 4 - 5. (	SRO questions are appropriat The sampling process was ra questions were repeated from program office). Question duplication from the (check the item that applies) a The audit exam was syste the audit exam was compl	te in accordance with Section D ndom and systematic. (If more the last two NRC licensing exa licensee screening/audit exam and appears appropriate. matically and randomly develop	0.2.d of ES-4 than four R ams, consult	01 O or two SF	30		Ршл	for for	
4	The sampling process was ra questions were repeated from program office). Question duplication from the (check the item that applies) a X The audit exam was syste the audit exam was compl	ndom and systematic. (If more the last two NRC licensing exa licensee screening/audit exam and appears appropriate. matically and randomly develop	than four R ams, consult	O or two SF				Pr	
5. (	questions were repeated from program office). Question duplication from the (check the item that applies) a X The audit exam was syste the audit exam was compl	the last two NRC licensing exa licensee screening/audit exam and appears appropriate. matically and randomly develop	ams, consuli			Del			
-	(check the item that applies) a The audit exam was syste the audit exam was compl	and appears appropriate. matically and randomly develop	was control		The sampling process was random and systematic. (If more than four RO or two SRO questions were repeated from the last two NRC licensing exams, consult the NRR/NRO OL program office).				
-	the audit exam was compl		Question duplication from the licensee screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate. X The audit exam was systematically and randomly developed, or						
-		stad bafasa iba Kasaa a a						RO	
		the audit exam was completed before the license exam was started, or					fmn		
	the examinations were developed independently, or								
	the licensee certifies that there is no duplication, or								
	other (explain).								
	Bank use meets limits (no more than 75% from the bank,		Bank	Modified	New				
	at least 10% new, and the res actual RO/SRO-only question	rest new or modified); enter the ion distribution(s) at right.	<b>35/8</b> 47%/32%	<b>19/6</b> 25%/24%	<b>21/11</b> 28%/44%	PFI	PMN	RO	
	Between 38 and 45 questions exam and at least 13 question	Memory C/A							
:	SRO-only portion of the exam are written at the comprehension/analysis level (see ES-401, D.2.c); enter the actual RO/SRO-only question distribution(s) at right.		35/5 40/20		0.01				
				47%/20% 53%/80%		PFI	pmn	hos	
8.	References/handouts provided do not give away answers or aid in the elimination of distractors.					PFI	PMN	ß	
	Question content conforms to specific K/A statements in the previously approved examination outline and is appropriate for the tier to which they are assigned; deviations are justified.					PFI	PMN	lo	
10.	Question psychometric quality and format meet the guidelines in Appendix B.					PFI	Phin	ki	
	The exam contains the required number of one-point, multiple-choice items; the total is correct and agrees with the value on the cover sheet.					PFI	PMN	Ro	
		Printed Nar	ne/Signature	9			Date		
a. Autho	uthor Paul Isham						12/3/18		
b. Facilit	lity Reviewer (*) Phil Nichols						12.3.18		
	RI BI PAL						12-7-18		
	C Chief Examiner (#) <u>Peter resby</u>					12/10/18			
			$- \cup$						
Note:	<ul> <li>* The facility reviewer's ir</li> <li># Independent NRC reviewer's</li> </ul>	itials or signature are not appli	cable for NF	C-develope	od ovaminatio				