

Draft Submittal

(Pink Paper)

DRAFT Written Exam Quality Checklist (ES-401-6)
& Written Exam Sample Plan

HATCH DECEMBER 2007 EXAM

05000321/2007301 AND 05000366/2007301

**DECEMBER 3 - 6, 2007, AND
DECEMBER 10, 2007, (WRITTEN)**

DRAFT

Facility: Hatch		Date of Exam: TBD		Exam Level: SRO		
Item Description				Initial		
				a	b*	c#
1.	Questions and answers are technically accurate and applicable to the facility.			BN		B
2.	a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available.			BN		B
3.	SRO questions are appropriate in accordance with Section D.2.d of ES-401			BN		B
4.	If more than four RO and two SRO questions are repeated from the last two NRC licensing exams, the facility licensee's sampling process was random and systematic.			N/A		N/A
5.	Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input type="checkbox"/> the audit exam was systematically and randomly developed <input type="checkbox"/> the audit exam was completed before the license exam was started <input checked="" type="checkbox"/> the examinations were developed independently <input type="checkbox"/> the licensee certifies that there is no duplication <input type="checkbox"/> other (explain)			BN	N/A	B
6.	Bank use meets limits (no more than 75 percent from the bank, at least 10 percent new, and the rest new or modified); enter the actual RO / SRO-only question distribution(s) at right.	Bank	Modified	New	BN	B
		0	3	22		
7.	Between 50 and 60 percent of the questions on the RO exam are written at the comprehension/ analysis level; the SRO exam may exceed 60 percent if the randomly selected K/As support the higher cognitive levels; enter the actual RO / SRO question distribution(s) at right.	Memory		C/A	BN	B
		9		16		
8.	References/handouts provided do not give away answers or aid in the elimination of distractors.			BN		B
9.	Question content conforms with specific K/A statements in the previously approved examination outline and is appropriate for the tier to which they are assigned; deviations are justified.			BN		B
10.	Question psychometric quality and format meet the guidelines in ES Appendix B.			BN		B
11.	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.			BN		B
a. Author		Printed Name / Signature		Date		
		Bruno Caballero / <i>B. Caballero</i>		9/27/07		
b. Facility Reviewer (*)						
c. NRC Chief Examiner (#)		Ronald F. Alello / <i>Ronald F. Alello</i>		9/27/07		
d. NRC Regional Supervisor		Malcolm T. Widmann / <i>Malcolm T. Widmann</i>		10/1/07		
Note: * The facility reviewer's initials/signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.						

DRAFT

Facility: Hatch Date of Exam: TBD Exam Level: RO

Item Description	Initial		
	a	b*	c#
1. Questions and answers are technically accurate and applicable to the facility.	BC		✓
2. a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available.	BC		✓
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401	BC		✓
4. If more than four RO and two SRO questions are repeated from the last two NRC licensing exams, the facility licensee's sampling process was random and systematic.	N/A		✓
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input type="checkbox"/> the audit exam was systematically and randomly developed <input type="checkbox"/> the audit exam was completed before the license exam was started <input checked="" type="checkbox"/> the examinations were developed independently <input type="checkbox"/> the licensee certifies that there is no duplication <input type="checkbox"/> other (explain)	BC	N/A	✓
6. Bank use meets limits (no more than 75 percent from the bank, at least 10 percent new, and the rest new or modified); enter the actual RO / SRO-only question distribution(s) at right.	Bank	Modified	New
	2	8	65
7. Between 50 and 60 percent of the questions on the RO exam are written at the comprehension/ analysis level; the SRO exam may exceed 60 percent if the randomly selected K/As support the higher cognitive levels; enter the actual RO / SRO question distribution(s) at right.	Memory	C/A	
	34	41	
8. References/handouts provided do not give away answers or aid in the elimination of distractors.	BC		✓
9. Question content conforms with specific K/A statements in the previously approved examination outline and is appropriate for the tier to which they are assigned; deviations are justified.	BC		✓
10. Question psychometric quality and format meet the guidelines in ES Appendix B.	BC		✓
11. 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.	BC		✓

Printed Name / Signature Date

a. Author Bruno Caballero / *Bruno Caballero* 9/27/07

b. Facility Reviewer (*) _____

c. NRC Chief Examiner (#) Ron Aiello / *Ron Aiello* 9/27/07

d. NRC Regional Supervisor Malcolm T. Widmann / *Malcolm T. Widmann* 10/1/07

Note: * The facility reviewer's initials/signature are not applicable for NRC-developed examinations.
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