
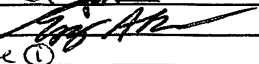


EXAM ASSIGNMENT TICKLER

Chief: Buchanan		GNS		Date of Written Exam: 2/23/2015	
Retake Written Exam Only		Start of Op Test: 2/23/2015		End of Op Test:	
Written Exam Developed By: NRC / Facility			Operating Test Developed By: NRC / Facility <i>N/A</i>		
Due Date	Description	Date Complete	Initials	Notes	
8/25/2014	Written Exam & Op Test Dates Confirmed	10/6/14	TDB	No Op test	
10/20/2014	NRC Examiners & Facility Contact Assigned	9/24/14	TDB		
10/20/2014	Facility Contact Briefed on Security & Other Req's	9/24/14	TDB		
10/20/2014	Corporate Notification Letter sent	10/14/14	TDB	ES-201 Att-4 produced by CE	
11/24/2014	Reference material due (if NRC authored)	N/A	N/A	ES-201 Att-3 Facility authored	
12/8/2014	Integrated exam outlines due	12/8/14	TDB		
12/15/2014	Outlines reviewed by CE; feedback approved by BC	12/15/14	TDB	ES-201-2 signed by CE & BC	
12/15/2014	Feedback on integrated outlines provided to facility	12/15/14	TDB		
1/5/2015	DRAFT exam / docs / support reference material due	1/5/15	TDB		
1/19/2015	Peer review of written exam complete	1/8/15	TDB	Document review on ES-401-9	
1/19/2015	Preliminary license applications due	Note (1)	—	NRC Forms 398/396	
1/26/2015	Preliminary license applications and waivers reviewed	Note (1)	—		
1/26/2015	DRAFT exam reviewed by CE; feedback approved by BC	1/15/15	TDB		
1/26/2015	Feedback on DRAFT exam provided to facility	1/15/15	TDB		
9/14/2009	On-site validation & 10% audit of license applications	N/A	N/A	No validation - No Op test	
2/9/2015	Final applications due & List of Applicants prepared	Note (1)	—	ES-201-4 prepared by LA	
2/16/2015	Final applications approved & waiver letters sent	Note (1)	—		
2/16/2015	Branch Chief approves FINAL exam (Written & Op Test)	Note (1)	—	LA produces / BC signs Exam Approval Letter (ES-201 Att-5)	
2/16/2015	Proctoring/written exam admin guidelines reviewed w/ facility	Note (1)	—		
2/16/2015	Exam material to exam team	N/A	N/A	No operating test	
2/23/2015	Administer Operating Test	N/A	N/A	No operating test	
3/2/2015	Facility post-exam documentation due	Note (1)	—		
3/2/2015	NRC written exam grading completed	Note (1)	—	ES-403-1 to BC	
1/7/2007	Examiner's document op test results on ES 303's	N/A	N/A	No operating test	
3/9/2015	Chief Examiner review of written exam & op test completed	Note (1)	—	Signed ES 303's to BC No operating test	
3/16/2015	Branch Chief review of exam results completed	Note (1)	—		
3/23/2015	Waivers/deferrals reviewed for impact on licensing decision	Note (1)	—		
3/23/2015	License/Denial letters mailed; Facility notified of results	Note (1)	—		
3/23/2015	RPS/IP number of examinees updated	Note (1)	—	print Report-21	
4/6/2015	Examination Report Issued	Note (1)	—	produced by CE	
4/13/2015	SUNSI checklist complete and exam docs to ADAMS	2/18/15	TDB	SUNSI checklist to LA	
4/20/2015	Ref Mat'l Returned after Final Resolution of Appeals	Note (1)	—		

Replaces NUREG-1021, Revision 9, Supp 1, Forms ES-201-1 and ES-501-1

Note (1): Items not performed due to exam cancellation. See cancellation letter (ML 15027A409).

Facility: Cooper Nuclear Station		Date of Examination: 2/23/2015		
Item	Task Description	Initials		
		a	b*	c#
1. W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model, in accordance with ES-401.	EG	SB	
	b. Assess whether the outline was systematically and randomly prepared in accordance with Section D.1 of ES-401 and whether all K/A categories are appropriately sampled.	EG	SB	
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	EG	SB	
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	EG	SB	
2. S I M U L A T O R	a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, technical specifications, and major transients.	n/a	n/a	
	b. Assess whether there are enough scenario sets (and spares) to test the projected number and mix of applicants in accordance with the expected crew composition and rotation schedule without compromising exam integrity, and ensure that each applicant can be tested using at least one new or significantly modified scenario, that no scenarios are duplicated from the applicants' audit test(s), and that scenarios will not be repeated on subsequent days.	n/a	n/a	
	c. To the extent possible, assess whether the outline(s) conform(s) with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D.	n/a	n/a	
3. W / T	a. Verify that the systems walk-through outline meets the criteria specified on Form ES-301-2: (1) the outline(s) contain(s) the required number of control room and in-plant tasks distributed among the safety functions as specified on the form (2) task repetition from the last two NRC examinations is within the limits specified on the form (3) no tasks are duplicated from the applicants' audit test(s) (4) the number of new or modified tasks meets or exceeds the minimums specified on the form (5) the number of alternate path, low-power, emergency, and RCA tasks meet the criteria on the form.	n/a	n/a	
	b. Verify that the administrative outline meets the criteria specified on Form ES-301-1: (1) the tasks are distributed among the topics as specified on the form (2) at least one task is new or significantly modified (3) no more than one task is repeated from the last two NRC licensing examinations	n/a	n/a	
	c. Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.	n/a	n/a	
4. G E N E R A L	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam sections.	EG	SB	
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	EG	SB	
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	EG	SB	
	d. Check for duplication and overlap among exam sections.	EG	SB	
	e. Check the entire exam for balance of coverage.	EG	SB	
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	EG	SB	
a. Author <u>Ed Jackson/</u>  Printed Name/Signature b. Facility Reviewer (*) <u>Greg Brewer/</u>  c. NRC Chief Examiner (#) <u>See Note ①</u> d. NRC Supervisor <u>See Note ①</u>		Date <u>11/17/14</u> <u>11/19/14</u> _____ _____		
Note: # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required. * Not applicable for NRC-prepared examination outlines Note ①: Not signed by NRC due to exam cancellation. See cancellation letter (ML15027A409).				

Facility: Cooper Nuclear Station		Date of Exam: 2-23-2015		Exam Level: RO <input type="checkbox"/> SRO <input type="checkbox"/>	
Item Description	Initial				
	a	b*	c*		
1. Questions and answers are technically accurate and applicable to the facility.	EG	JB			
2. a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available.	EG	JB			
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401	EG	JB			
4. The sampling process was random and systematic (If more than 4 RO or 2 SRO questions were repeated from the last 2 NRC licensing exams, consult the NRR OL program office).	EG	JB			
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; or <input type="checkbox"/> the audit exam was completed before the license exam was started; or <input type="checkbox"/> the examinations were developed independently; or <input type="checkbox"/> the licensee certifies that there is no duplication; or <input checked="" type="checkbox"/> other (explain) Selected another (BWR-4) utilities outline, revised it to be CNS specific & only 1 Tier 3 KA duplicated.	EG	JB			
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	EG	JB
	17.3/12	16/12	66.7/76		
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	EG	JB
	41/40		59/60		
8. References/handouts provided do not give away answers or aid in the elimination of distractors.	EG	JB			
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.	EG	JB			
10. Question psychometric quality and format meet the guidelines in ES Appendix B.	EG	JB			
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.	EG	JB			
Printed Name / Signature				Date	
a. Author	Ed Jackson			1/5/15	
b. Facility Reviewer (*)	Greg Brewer			1/5/15	
c. NRC Chief Examiner (#)	See Note ①				
d. NRC Regional Supervisor	See Note ①				
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.					

Note ①: Not signed by NRC due to exam cancellation. See cancellation letter (ML 15-027A409).