
VARIOUS CHECKLISTS

FOR THE FERMI RETAKE EXAMINATION - AUGUST 2006

Facility: <u>Fermi Retake</u>		Date of Examination: <u>010/2006</u>
Examinations Developed by: Facility / NRC (circle one)		
Target Date*	Task Description (Reference)	Chief Examiner's Initials
-180	1. Examination administration date confirmed (C.1.a; C.2.a and b)	RW
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	RW
-120	3. Facility contact briefed on security and other requirements (C.2.c)	RW
-120	4. Corporate notification letter sent (C.2.d)	RW
[-90]	[5. Reference material due (C.1.e; C.3.c; Attachment 2)]	N/A
-75	6. Integrated examination outline(s) due, including Forms ES-201-2, ES-201-3, ES-301-1, ES-301-2, ES-301-5, ES-D-1's, ES-401-1/2, ES-401-3, and ES-401-4, as applicable (C.1.e and f; C.3.d)	RW
-70	7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)	RW
-45	8. Proposed examinations (including written, walk-through JPMs, and scenarios, as applicable), supporting documentation (including Forms ES-301-3, ES-301-4, ES-301-5, ES-301-6, and ES-401-6), and reference materials due (C.1.e, f, g and h; C.3.d)	RW
-30	9. Preliminary license applications (NRC Form 398's) due (C.1.i; C.2.g; ES-202)	RW
-14	10. Final license applications due and Form ES-201-4 prepared (C.1.i; C.2.i; ES-202)	RW
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	RW
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f and h; C.3.g)	RW
-7	13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	RW
-7	14. Final applications reviewed; examination approval and waiver letters sent (C.2.i; Attachment 4; ES-204)	RW
-7	15. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k)	RW
-7	16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	RW
<p>* Target dates are keyed to the examination date identified in the corporate notification letter. They are for planning purposes and may be adjusted on a case-by-case basis in coordination with the facility licensee.</p> <p>[] Applies only to examinations prepared by the NRC.</p>		

JERMI 2

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 8/11/2006 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 8/11/2006. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE NOTE
1. Lynn Barker	OPS TRNG	<i>Lynn H. Barker</i>	3/21/06	<i>Lynn H. Barker</i>	8/8/06
2. Rob Brixey	Contractor	<i>Rob Brixey</i>	3/21/06	<i>Rob Brixey</i>	8/8/06 per telecom
3. Douglas J. Pirice	OPS TRNG	<i>Douglas J. Pirice</i>	3/21/06	<i>Douglas J. Pirice</i>	8/8/06
4. David G. Coseo	ops try - PSS	<i>David G. Coseo</i>	5/1/06	<i>David G. Coseo</i>	8/8/06
5. Kenneth Amberson	OPS INSTRUCTOR	<i>Kenneth Amberson</i>	5/1/06	<i>Kenneth Amberson</i>	8/9/06 per telecom
6. Gregory A. Almes	SM	<i>Gregory A. Almes</i>	5/31/06	<i>Gregory A. Almes</i>	8/9/06
7. Richard Lamm	NSO	<i>Richard Lamm</i>	5/31/06	<i>Richard Lamm</i>	8/9/06
8. Richard Lamm	NSO	<i>Richard Lamm</i>	5/31/06	<i>Richard Lamm</i>	8-9-06
9. Andrew Nighswander	NSO	<i>Andrew Nighswander</i>	5-31-06	<i>Andrew Nighswander</i>	8-9-06
10. Scott Bahason	SE	<i>Scott Bahason</i>	5-31-06	<i>Scott Bahason</i>	8-9-06
11. Philip Cozic	CPS	<i>Philip Cozic</i>	5-31-06	<i>Philip Cozic</i>	8-9-06
12. Michael Drummond	TRNG INSTRUCTOR	<i>Michael Drummond</i>	6/15/06	<i>Michael Drummond</i>	8/8/06
13. Scott Barker					
14.					
15.					

NOTES:

Facility: Fermi 2		Date of Exam: 8/11/2006		Exam Level: RO <input checked="" type="checkbox"/> SRO <input type="checkbox"/>		
Item Description	Initial					
	a	b*	c*			
1. Questions and answers are technically accurate and applicable to the facility.	B	RP	RW			
2. a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available.	B	RP	RW			
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401	N/A	N/A	N/A			
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 exam, consult the NRR OL program office).			RW			
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: ___ the audit exam was systematically and randomly developed; or ___ the audit exam was completed before the license exam was started; or ___ the examinations were developed independently; or <input checked="" type="checkbox"/> the licensee certifies that there is no duplication; or ___ other (explain)	B	RP	RW			
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	B	RP	RW
	39 / NA	12 / NA	49 / NA			
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 KAs support the higher cognitive levels; enter the actual RO / SRO question distribution(s) at right.	Memory		C/A	B	RP	RW
	43 / NA		57 / NA			
8. References/handouts provided do not give away answers or aid in the elimination of distractors.	B	RP	RW			
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	B	RP	RW			
10. Question psychometric quality and format meet the guidelines in ES Appendix B.	B	RP	RW			
11. The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with value on cover sheet	B	RP	RW			
Printed Name / Signature						Date
a. Author	Lynn H. Barker / <i>Lynn H. Barker</i>			6/29/06		
b. Facility Reviewer (*)	Douglas J. Pierce / <i>Douglas J. Pierce</i>			6/29/06		
c. NRC Chief Examiner (#)	RAYMOND K. WALTON / <i>Raymond Keith Walton</i>			7/17/06		
d. NRC Regional Supervisor	<i>Heather Perkins</i>			7/31/06		
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.					

Facility: Fermi 2		Date of Exam: 8/8/06		Exam Level: RO <input checked="" type="checkbox"/> SRO <input type="checkbox"/>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	NT	J	RW		
2. Answer key changes and question deletions justified and documented	NT	J	RW		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	NT	J	RW		
4. Grading for all borderline cases (80 ±2% overall and 70 or 80, as applicable, ±4% on the SRO-only) reviewed in detail	NA	NA	N/A		
5. All other failing examinations checked to ensure that grades are justified	NA	NA	N/A		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	NT	J	RW		
	Printed Name/Signature		Date		
a. Grader	<i>Douglas J. Pierce</i>		8/8/06		
b. Facility Reviewer(*)	<i>D. COSEO</i>		8/10/06		
c. NRC Chief Examiner (*)	<i>Raymond Watson</i>		8/14/06		
d. NRC Supervisor (*)	<i>Hironori Peterson</i>		8/15/06		
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

Jim
8/15/06

If a facility chooses to share its preliminary grades with the applicants, it should caution them that the outcome may change if the NRC does not accept all of the facility licensee's recommended changes to the examination answer key.

3. Evaluate and Review the Grading

- a. Evaluate the applicants' performance on each examination question to identify any indications of a problem with the question or a deficiency in the applicants' training program. A table that summarizes the applicants' answers on each question, or a computerized item analysis (if the examinations were graded by machine) may be used to identify items with which the applicants had problems.

If it appears that a test question was faulty, determine whether the question should be deleted, the answer key should be changed, and/or the question should be revised before reuse. Then regrade the examinations as necessary.

If it appears that the training program was deficient, determine the need for remedial training and/or a program upgrade.

- b. After evaluating the examinations, review the grading *in detail* and complete Form ES-403-1, "Examination Grading Quality Checklist."
- c. Forward the examination package (i.e., the master examination and answer key, justification for any examination changes, any item analysis that was performed, the applicant's examination cover and answer sheets (the graded original and one clean copy), and Form ES-403-1) to the designated facility representative (if applicable) or to the NRC's chief examiner for review in accordance with ES-501.

E. Attachments/Forms

Form ES-403-1, "Written Examination Grading Quality Checklist"