




**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

June 9, 2021

MEMORANDUM TO: Christian B. Cowdrey, Chief
Operator Licensing and Human Factors Branch
Division of Reactor Oversight
Office of Nuclear Reactor Regulation

FROM: Maurin Scheetz  Signed by Scheetz, Maurin
on 06/09/21
Operator Licensing and Human Factors Branch
Division of Reactor Oversight
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF MAY 13, 2021, PUBLIC MEETING WITH INDUSTRY
OPERATOR LICENSING REPRESENTATIVES

On May 13, 2021, the U.S. Nuclear Regulatory Commission (NRC) staff held a public meeting with the Nuclear Energy Institute's (NEI) Licensed Operator Focus Group (LOFG) and other industry operator licensing representatives. The purpose of the meeting was to share the NRC staff's resolution to specific comments received during the 75-day public comment period for draft NUREG-1021, Operator Licensing Examination Standards for Power Reactors, Revision 12, related to Critical Tasks, significant performance deficiencies and critical performance deficiencies.

NRC management opened the meeting and provided an overview of Revision 12, which is the result of a significant effort to accomplish the following: reorganize the entire NUREG to make it easier to use; re-integrate the generic fundamental topics into the site-specific examination and discontinue the stand-alone Generic Fundamentals Examination; establish clear expectations for use of accredited training programs when determining eligibility standards, and thus eliminating the need for the NRC staff to consider waiving facility requirements; and change critical task (CT) development criteria and grading approach to make them more risk-informed; and improve guidance for identifying performance deficiencies (PDs).

Next the NRC staff provided details, including that they received 124 distinct comments from 12 different submitters including industry representatives, facility licensees, a design certification applicant, and NRC staff members. The majority of the recommendations made by the commenters were implemented thus improving the clarity of the instructions and guidance in NUREG-1021.

Enclosures:

1. List of Attendees
2. Agenda

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The NRC staff carefully considered the comments received in opposition of the proposed operating test scenario grading approach and made the following changes to the proposed grading of critical tasks and significant performance deficiencies that was proposed in the draft NUREG for comment:

- A critical performance deficiency (CPD) will be restored to a 3-point deduction, however if an applicant has 2 or more CPDs, they will fail the simulator scenario portion of the operating test, regardless of their calculated scores for the competency areas
- Restored the ability of an examiner to recommend a failure for an applicant that demonstrated a performance deficiency with *serious safety consequences*. This was removed from the draft NUREG because it would have been unnecessary with the proposed failure for one CPD
- Enhanced the guidance for developing CTs to make it more useable with a focus on what types of tasks meet the critical distinction instead of a focus on applicant actions. For example, *Actions that directly lead to the restoration of one or more safety functions*
- Removed the classifier “procedural” from the CT guidance so that the focus is on the task and not procedure direction and to make CT identification less prescriptive, especially for post scenario CT determinations
- Changed the SPD criteria to plant conditions met for an Alert or a non-fission product barrier Site Area Emergency
- Added specific information for what is not a SPD: single channel RPS/ESF actuations and power changes made for conservative decision making
- All communications PDs will be treated the same and graded as they are in Revision 11
- The following tables were added to summarize how to grade performance deficiencies that result in meeting criteria for emergency action levels (EAL) that were not scripted in the scenario guide and (2) summarize rating factor (RF) scores by PD Type

Table 3.6-1 Unscripted EALs and Associated PD Type

Applicant’s Simulator Scenario Performance Result:	PD Type:
Criteria met for a General Emergency	CPD (postscenario CT)
Criteria met for a Site Area Emergency based on more than one fission product barrier	CPD (postscenario CT)
Criteria met for an Alert or a non-fission product barrier Site Area Emergency	SPD
Criteria met for an Unusual Event	PD

Table 3.6-2 Summary of RF Scores by PD Type

	PD Type		
	CPD	SPD	All other PDs
Competency/RF			
RFs <i>other</i> than those in the communications competency	3 point deduction per RF	2 point deduction per RF	1 point deduction per RF

Finally, the NRC staff answered industry questions about the schedule for publishing the final NUREG and transitioning to the revision. The NRC staff expects to publish Final Rev 12 later this year, with a target of September 2021.

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LICENSING REPRESENTATIVES Dated: June 9, 2021

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OFFICE	NRR/DRO/IOLB	NRR/DRO/IOLB
NAME	MScheetz	CCowdrey
DATE	6/09/2021	6/9/2021

OFFICIAL RECORD COPY

List of Attendees – Public Meeting with Industry Operator Licensing Representatives May 13, 2021	
Name	Organization (via Microsoft Teams)
Bacon, Daniel	NRC
Bergeon, Bryan	NRC
Buchanan, Theresa	NRC
Cowdrey, Christian	NRC
Elkhiamy, Sarah	NRC
Emrich, Matthew	NRC
Gepford, Heather	NRC
Iskierka-Boggs, Travis	NRC
Jackson, Donald	NRC
Kennard, Michael	NRC
Krsek, Robert	NRC
Litkett, Bernard	NRC
McCoy, Gerald	NRC
Miller, Chris	NRC
Nist, Lauren	NRC
Pelke, Patricia	NRC
Reeser, David	NRC
Roach, Gregory	NRC
Robbins, John	NRC
Rodriguez, Lionel	NRC
Scheetz, Maurin	NRC
Schmidt, Colleen	NRC
Seymour, Jesse	NRC
Warnick, Greg	NRC
Werner, Greg	NRC
Zoia, Chuck	NRC
Bowman, Doug	NuScale
Bruns, Fred	Exelon Nuclear
Burns, William	Southern Nuclear Company
Bush, Jeffrey	Not available
Chwasz, Christopher	Idaho National Laboratory
Czeschin, Jeremy	Ameren UE
Dean, Thomas	Exelon Nuclear
Dennis, Steve	PSEG Nuclear
Dovas, Kostas	Exelon
Ferrara, Scott	Not available
Giebelhausen, Tom	Institute of Nuclear Power Operations
Goldwasser, Zachary	PVNGS
Joplin, Russell	TVA
Keppen, Hayley	NuScale
Leary, Patrick	NuScale

Mauer, Andrew	NEI
Murray, Richard	Entergy
Peterson, Michael	Xcel Energy
Swan, Phillip	Ameren UE
Tim Riti	NEI
Vidal, Ozzie	Certrec

AGENDA FOR THE U.S. NUCLEAR REGULATORY COMMISSION CATEGORY 2
PUBLIC MEETING WITH INDUSTRY OPERATOR LICENSING REPRESENTATIVES

Thursday, May 13, 2021, 1:00 PM to 2:00 PM. Eastern Standard Time

Teleconference

<u>TOPIC</u>	<u>PRESENTER</u>
Introductions	NRC/Industry
Changes made to Draft NUREG-1021, Revision 12	NRC
Discussion/Feedback	NRC/Industry
Public Comments	All
Closing	NRC/Industry