

December 5, 2025

Title: U.S. Nuclear Regulatory Commission (NRC) PRA Realism Public Workshop

Time and Date: January 7, 2025, 09:00 AM to 04:30 PM

Location: NRC One White Flint North (8:30AM visitor arrival), HQ OWFN-01G05B  
11545 Rockville Pike  
Rockville, MD

Purpose: The objective of this workshop is to provide a forum for the NRC and the industry to discuss ongoing efforts to improve PRA Realism. This is a continuation of the workshop originally scheduled for September 30-October 1 that was interrupted due to the government shutdown. Topics will include presentations on PRA modeling applications, operating experience, external hazards, human reliability analysis, regulatory and oversight applications, realism for advanced reactors and public perspectives.

Meeting Category: Information Meeting with a Question and Answer Session

This is an Information Meeting with a Question and Answer Session: The purpose of this meeting is for the NRC staff to meet directly with individuals to discuss regulatory and technical issues. Attendees will have an opportunity to ask questions of the NRC staff or make comments about the issues discussed throughout the meeting; however, the NRC is not actively soliciting comments toward regulatory decisions at this meeting.

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Participants: NRC Brian Smith, DRA, Office of Nuclear Reactor Research      External NEI representatives  
EPRI representatives  
Industry Representatives

Webinar:

URL

https://teams.microsoft.com/l/meetup-  
join/19%3ameeting\_ZDkzYWQ2OTQtNjgwMC00NGIxLWI4MjMtN2MyMzczZmM3ZmYx%40thread.v2/0?context=%7b%22Tid%22%3a%22e8d01475-c3b5-436a-a065-5def4c64f52e%22%2c%22Oid%22%3a%22a09cbb5a-8f42-44db-8db1-10035dcdf1a0%22%7d

Meeting ID

216 082 858 990  
41

Passcode

hx38wY7J

Comments:

This workshop is open to the public. This meeting will be hosted as a hybrid meeting with both on-site and remote participation available. Effective September 1, 2025, Federal employees and contractors will be able to use a kiosk and their Personal Identity Verification (PIV) card to access the NRC Headquarters facilities. All other visitors must be pre-registered prior to entering the NRC. These visitors who wish to participate in person must e-mail [Michelle.gonzalez@nrc.gov](mailto:Michelle.gonzalez@nrc.gov) to make arrangements to be admitted to NRC facilities. Non-U.S. citizens must present a valid passport during screening and a copy must be sent to [InternationalVisitor.Resource@nrc.gov](mailto:InternationalVisitor.Resource@nrc.gov) at least 12 business days before arrival. The deadline for in-person registration is December 22, 2025. Security Officers will not be able to register visitors upon arrival.

If you need a reasonable accommodation to participate in this meeting (e.g., a translator, accessibility) or need this meeting notice, the transcript, or other information from the meeting in another format (e.g., Braille, large print, a language other than English), please notify the NRC's meeting contact. Determinations on requests for reasonable accommodations will be made on a case-by-case basis.

## PUBLIC MEETING AGENDA

### Improving PRA Realism Workshop Agenda – Specific Topical Areas

Time	Session Topic	Presentation Topic	Lead(s)	Details
JANUARY 7, 2025 (DAY 2)				
8:30 – 9:00 AM	Arrival, processing, escorting (as required)			
9:00 – 9:30 AM	Introductory Remarks	Welcome & Logistics (10 minutes)	NRC Facilitator	
		Opening Remarks (20 minutes)	NRC	<ul style="list-style-type: none"> <li>Summary from Day 1, Agenda for Day 2</li> </ul>
9:30 – 12:00 PM	Regulatory and Oversight Applications	NRC PRA Standards Activities (10 minutes)	NRC	<ul style="list-style-type: none"> <li>Overview of PRA Standards Engagement, Current focus areas, Guidance</li> </ul>
		NRC Reactor Oversight (20 minutes)	NRC	<ul style="list-style-type: none"> <li>Realism in the SDP</li> </ul>
		Accident Sequence Precursor Program (15 minutes)	NRC	<ul style="list-style-type: none"> <li>Realism in ASP event analysis</li> </ul>
		BREAK (15 minutes)		
		NRC Risk Informed Licensing (30 minutes)	NRC	<ul style="list-style-type: none"> <li>PRA Realism expectations for licensing</li> <li>PRA configuration control, updates, and upgrades</li> </ul>
		Industry – Regulatory Applications (40 minutes)	NEI	<ul style="list-style-type: none"> <li>Industry activities</li> </ul>
		Defense in Depth (20 minutes)	EPRI	<ul style="list-style-type: none"> <li>DID in the context of PRA realism</li> </ul>
12:00 – 1:00 PM	LUNCH BREAK			
1:00 -2:00 PM	Realism for Advanced Reactors	NRC Perspectives (20 minutes)	NRC	<ul style="list-style-type: none"> <li>PRA realism in advanced reactor applications</li> </ul>

Time	Session Topic	Presentation Topic	Lead(s)	Details
		Industry Perspectives (40 minutes)	NEI EPRI	<ul style="list-style-type: none"><li>Industry perspectives for advanced reactors</li></ul>
2:00 – 2:30PM	Public Perspectives	Public Perspectives on PRA Realism	Members of the public	
2:30 – 2:45 PM	BREAK (15 minutes)			
2:45-3:30 PM	Open Discussion: General Feedback and Discussion on PRA Realism Activities (gaps, schedule, etc.) (45 minutes)		NRC Facilitator Led	
3:30 – 4:15 PM	Open Discussion: Priorities for Future Activities (resource limitations, focus areas) (45 minutes)		NRC Facilitator Led	
4:15 – 4:25 PM	Wrap-Up and General Q&A (10 minutes)		All	
4:25 PM – 4:30 PM	Closing Remarks		NRC	
END OF DAY 2				