

AGENDA

JANUARY 21-22, 2026 ANNUAL NRC-INDUSTRY NDE
TECHNICAL INFORMATION EXCHANGE (TIE) PUBLIC
MEETING (HYBRID)
NRC HEADQUARTERS, ROCKVILLE, MD
Room: HQ-TWFN_P2AUD

Wednesday, January 21, 2026			
Time (EDT)	Topic	Presenter	Presentation ID
8:00 am	Introductions	NRC/Industry	
8:10 am	ASME Code Update	Industry	1
8:30 am	Industry Performance Demonstration Activities	Industry	2
8:50 am	Materials Reliability Program Update	Industry	3
9:10 am	Boiling Water Reactor Vessel Internals Program Update	Industry	4
9:30 am	Operating Experience	Industry	5
10:10 am	Break		
10:30 am	EPRI 2025 Workplan: Overview	Industry	6
11:00 am	Review of AI-Assisted CRDM Inspections and other AI Activities	Industry	7
11:20 am	Human Factors and AI for NDE	Industry	8
11:40 am	AI-Assisted Manual Phased Array UT	Industry	9
12:00 pm	Lunch		
1:00 pm	AI Qualification Protocol	Industry	10
1:20 pm	Evaluation of Commercially Available Assisted Data Analysis for Inservice Inspections	NRC-PNNL	11
1:50 pm	AI/ML ORNL	NRC-ORNL	12
2:20 pm	NRC Perspective on Implementing Artificial Intelligence and Machine Learning in Nondestructive Examinations	NRC	13
2:40 pm	Break		
3:00 pm	Important Aspects in Nondestructive Examination for Advanced Manufacturing Technologies and Novel Materials	NRC	14
3:40 pm	NRC Position on NDE of Novel Repair/Replacement Materials	NRC-PNNL	15
4:10 pm	NDE of Novel Repair/Replacement Materials (incl. CFRP)	Industry	16
4:30 pm	Advanced Manufacturing	Industry	17
4:50 pm	Public Comments	NRC	
5:00 pm	Adjourn Day 1		

Thursday, January 22, 2026

Time (EDT)	Topic	Presenter	Presentation ID
8:00 am	Opening Statements	NRC	
8:10 am	Virtual Flaw Technology	NRC-PNNL	18
8:40 am	Expansion and Refinement of Virtual Mockup Capabilities	Industry	19
9:10 am	Risk-Informed Inservice Inspection Support, Extension, and Implementation	Industry	20
9:40 am	Cass Development – ASME Code Efforts	Industry	21
10:00 am	Break		
10:20 am	UT in Lieu of RT Update	Industry	22
10:40 am	Balance of Plant	Industry	23
11:00 am	Long Term Operations	Industry	24
11:20 am	Division 2 RIM and MANDE Programs	Industry	25
11:50 am	Public Comment	NRC	
11:55 am	Closing Statements	NRC/Industry	
12:00 pm	Adjourn		
1:00 pm	Closed Session	Industry/NRC	
2:00 pm	Closed Session	Industry/NRC	
3:00 pm	Break		
3:30 pm	Closed Session	Industry/NRC	
4:30 pm	Closed Session	Industry/NRC	
5:00 pm	Adjourn Day 2		

AI: Artificial Intelligence

ASME: American Society of Mechanical Engineers

BWRVIP: Boiling Water Reactor Vessel Internals Program

CASS: Cast Austenitic Stainless Steel

CFRP: Carbon Fiber-Reinforced Polymer

CRDM: Control Rod Drive Mechanism

EPRI: Electric Power Research Institute

ML: Machine Learning

NDE: Nondestructive Examination

NRC: U.S. Nuclear Regulatory Commission

OE: Operating Experience

ORNL: Oak Ridge National Laboratory

PNNL: Pacific Northwest National Laboratory

RIM: Reliability and Integrity Management

RT: Radiographic Testing

UT: Ultrasonic Testing