

#### Performance Indicator Workshop #1



June 5, 2025

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# Agenda

10:30	Opening Remarks
10:40	Working Group Charter
10:50	Initial Concepts
11:15	International Benchmarking
11:30	Lunch Break
12:30	Industry Initial Thoughts
1:00	Open Discussion
2:15	Opportunity for Public Comment
2:25	Action Items and Closing Remarks
2:30	Meeting Adjourn



## Opening Remarks



# Working Group Charter

ML25125A115



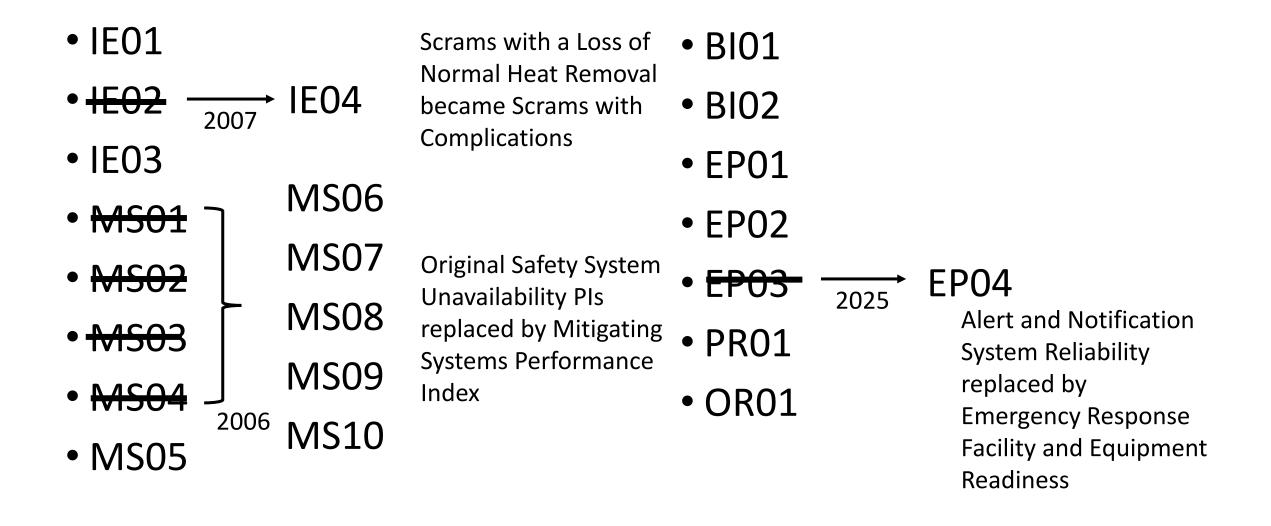


## Purpose

Perform a comprehensive review of ROP performance indicators (PIs), which will inform a potential reevaluation of the role of PIs in the assessment process and re-baselining of the inspection program to meet ADVANCE Act directives to review the balance of oversight and inspection resources commensurate with safety significance and licensee performance.



#### **Evolution of Current Pls**





### Current Pls

Occupational

**Rad Safety** 

**OR01** 

**Occupational** 

**Exposure Control** 

**Effectiveness** 

Security

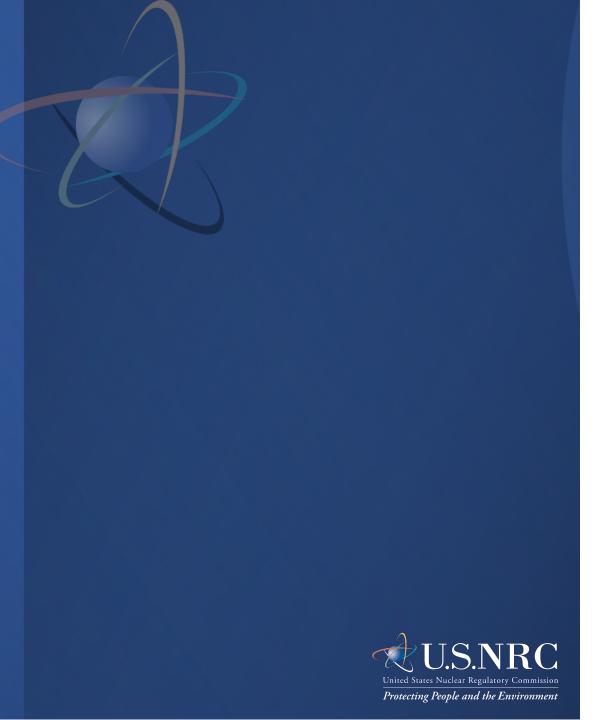
Non-public

Initiating Events	Mitigating Systems	Barrier Integrity	Emergency Preparedness	Public Rad Safety
IE01 Unplanned Scrams	MS05 Safety System Functional Failures	BI01 Reactor Coolant System Activity	EP01 Drill/Exercise Performance	PR01 RETS/ODCM Radiological Effluent Occurrence
IE03 Unplanned Downpowers	MS06 Emergency AC Power Systems	BI02 Reactor Coolant System Leakage	EP02 ERO Drill Participation	
IE04 Complicated Scrams	MS07 High Pressure Injection Systems		EP04 Emergency Response Facility and Equipment Readiness	
	MS08 Heat Removal Systems			
	MS09 Residual Heat Removal Systems			
	MS10 Cooling Water Systems			



#### Timeline

Milestone	Date	
Initial Working Group meeting	May 5, 2025	
NRC internal solicitation for potential indicators	May 2025	
Initial public workshop	June 5, 2025	
Additional public workshops	July – September 2025	
Data validation of potential PIs	June – September 2025	
Preliminary identification of areas requiring inspection	August – October 2025	
Brief NRC management on initial results	September 2025	
Additional workshop (if needed)	October 2025	
Initial SECY draft	November 15, 2025	
SECY to Commission	April 1, 2026	



## Initial Concepts



#### ROP Bases

ROP bases documents prescribe risk-informed baseline inspection to cover risk-significant cornerstone attributes of performance not adequately covered by PIs, plus:

- Verification of PI data
- Comprehensive review of corrective action program/problem identification and resolution
- Event response



## Gain Efficiency

- Can we increase the use of performance indicators to reduce the resources required for inspection?
- Is there a role for performance-based indicators that inform baseline samples without action matrix movement?
- Can we create a framework with indicators that can (also) apply to new and advanced designs?
- Is there an opportunity to incorporate plant-specific design and risk factors into new indicators?



## Gain Efficiency

- Can we leverage indicators and data that licensees already compile?
- Can we minimize/eliminate the need for the FAQ process?
- Is there a path to streamline the data submission process?
- Can we make use of programs that are already in broad use (Maintenance Rule, Corrective Action Program etc.)?



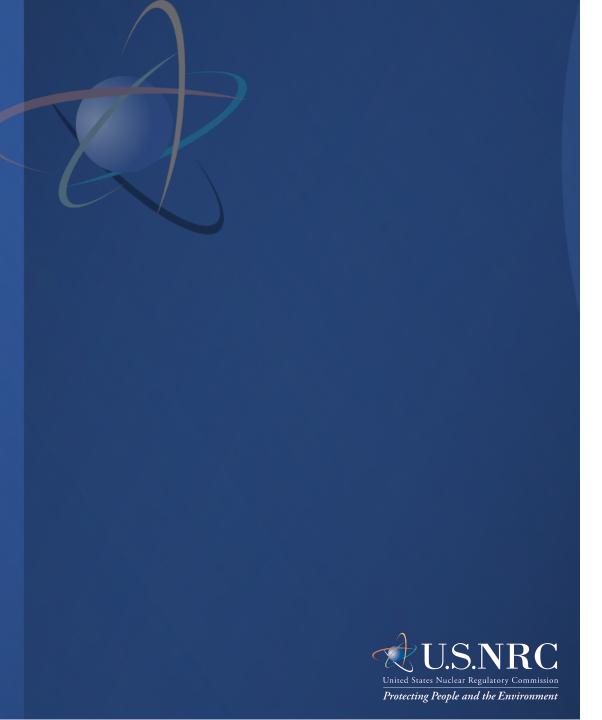
## Caveats

- Need to ensure coverage of cornerstone attributes (Inspection Manual Chapter 0308, ADAMS ML24269A231)
- Program requires flexibility to adjust based on lessons learned and emerging trends
- Accurate data submission essential for program integrity
  - Inspection for verification
  - Potential inspection samples for anomalous data submissions



# International Benchmarking





## Lunch



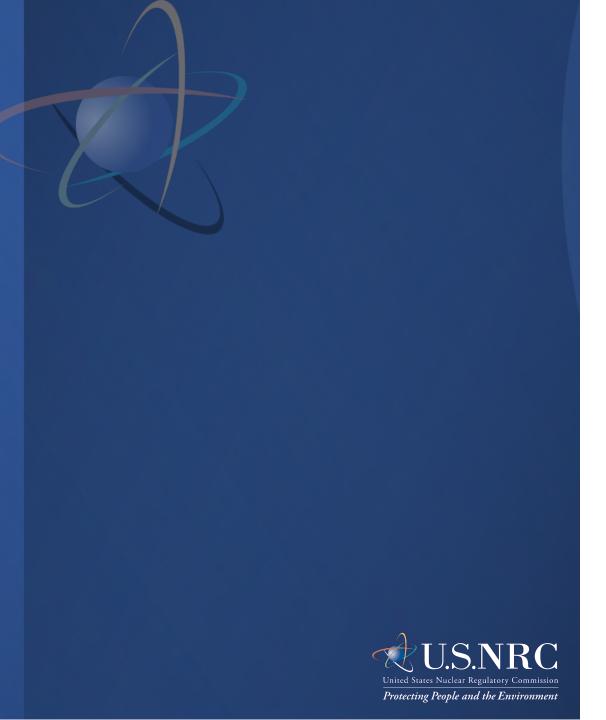
# Industry Initial Thoughts



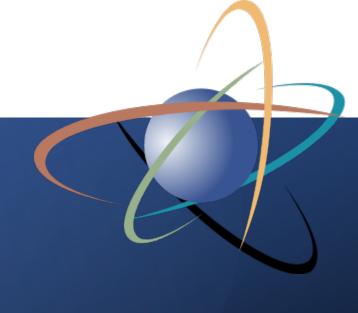


## Open Discussion





### **Public Comments**



#### Thank you for your participation

