

RIC 2024 Hybrid

U.S. Nuclear Regulatory Commission
36th Annual Regulatory Information Conference

MARCH 12-14, 2024

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TH18 In Risk We Trust – Enhancing Acceptance of Risk-Informed Decision- Making

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Be riskSMART

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Successes In Leveraging RIDM

- Agency-wide application of *BeRiskSMART*
- Digital I&C Common-Cause Failure
- NuScale SDAA review
- ATF/Increased Enrichment Rulemaking
- RIPE Updates
- SPAR-DASH – dashboard for NRC PRA models

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Facilitating Decisions Through Inclusive Dialog

RIDM Principles Communication Tool – a space for all views – NRC pilot on an SMR review

Principle 1: Meets current regulations or exemption requested

- Basis
- ...

Principle 2: Consistent with the defense-in-depth philosophy

- Basis
- ...

Principle 3: Maintains sufficient safety margins

- Basis
- ...

Principle 4: Increases in risk is small and consistent with the intent of the Commission's Safety Goal Policy Statement

- Basis
- ...

Principle 5: Performance measurement strategies available for monitoring

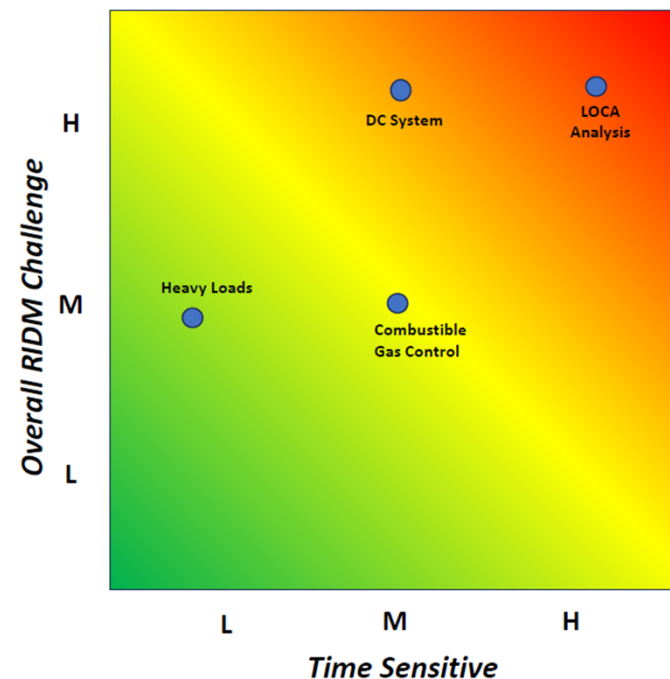
- Basis
- ...

Not Met

Partially Met

Met

Project Risk through the Prism of RIDM



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Mission Excellence as a Modern Risk-Informed Regulator

- We continue to strive to increase the use of RIDM in our work
- Positive change management activities are a must - it's not a one and done effort!
- RIDM 2.0 offers workshops/training opportunities and highlights RIDM accomplishments.
- It's critical that we have a framework that provides an opportunity to bring everybody to the table to help make the right risk decision for the organization.

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Acronym List

ATF = accident tolerant fuel

PRA = probabilistic risk assessment

RIDM = risk-informed decision making

RIPE = Risk-Informed Process for Evaluations

SDAA = Standard Design Approval Application

SMR = small modular reactor

SPAR = Standardized Plant Analysis Risk

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