

Risk Informed Steering Committee Public Meeting

December 11, 2017









December 11, 2017 Public RISC Meeting Agenda

Time:	Topic:	Presenter:
3:00 – 3:10 p.m.	Opening Remarks	Brian Holian Danny Bost
3:10 – 3:40 p.m.	Progress on NRC RISC Priorities (Bingo Chart)	Russ Felts
3:40 – 3:50 p.m.	Progress on Risk Informed Licensing Reviews	Russ Felts
3:50 – 4:00 p.m.	Fire PRA Realism	NEI
4:00 – 4:20 p.m.	Response to the SRM <ul style="list-style-type: none">• Strategies• Action Plan	Candace de Messieres Jason Paige
4:20 – 4:25 p.m.	Public Comments	
4:25 – 4:30 p.m.	Closing Remarks	Brian Holian Danny Bost

Discussion Topics

Progress on NRC RISC Priorities (Bingo Chart)

Russell Felts
NRR - DRA

Activity	NRC Assessment of Industry	Current Status
50.69		<ul style="list-style-type: none"> Process for review has been established. 7 LARs have been submitted. All of the LARs have been accepted for review. 1 audit has been conducted. <p>Product: NRC has informed industry that resources are available for 10 reviews/year for completion within 12 months of submission, but the NRC staff is aware of 8 additional LARs the Industry plans to submit in the next 4 months which would bring the current total to 15.</p>
4B		<ul style="list-style-type: none"> A less complex but slightly more restrictive revision to TSTF 505 is being developed with completion set for the end of 2017. There are 5 applications currently under review. <p>Product: In early 2018, licensee submittals using the revised TSTF 505 without deviations will be completed within the one year metric dependent on staff resources and other high priority initiatives.</p>
Methods Vetting		<ul style="list-style-type: none"> No activities currently being performed by NRC or Industry. <p>Product: None at this time. Future of vetting panel uncertain. Propose discussing options with NEI.</p>
Fire PRA Realism		<ul style="list-style-type: none"> Workshop held in early October. NRC staff and Industry are discussing potential updates to methodology in existing guidance documents. <p>Product: Meeting between NRC staff and industry scheduled December 13, 2017 to discuss some FAQs and potential follow-up activities from the October workshop.</p>
Realism in ROP		<ul style="list-style-type: none"> Some senior managers in industry have expressed concerns about Realism in ROP. Subsequently, industry informed NRC that addressing their concerns relating to CCF is the highest priority. <p>Product: NEI has committed to provide a document (for staff review). After staff's acceptance, the proposed document would enable NRC's SERP to consider potential conservatisms or non-conservatism of the quantified CCFs in a risk-informed manner.</p>
Flex in RIDM		<ul style="list-style-type: none"> NRC is continuing its internal deliberations wrt to NUMARC 93-001 regarding how FLEX should be treated under Maint. Rule. <p>Product: FLEX is currently being credited in multiple risk applications. The staff believes that this issue requires minimal oversight from the NRC RISC going forward.</p>
Aggregation		<p>Product: NUREG-1855, Rev 1 includes a discussion on uncertainty and decision making in risk informed applications. This effort will be considered closed upon the publication of RG 1.174 Rev 3, in March 2018.</p>
F&O Closure (Finding Closure)		<p>Product: The staff had previously planned to close this item, however, the staff has observed instances where industry guidance was not being followed by licensees. NRC plans to continue to conduct audits and observations of the F & O closure process until we have confidence that there is industrywide understanding of the process.</p>

Risk Informed Steering Committee Public Meeting: Updates from Division of Inspection and Regional Support (DIRS) on NUMARC 93-01

Chris Miller, Director
Mike King, Deputy Director

Schedule

- Week of 12-14-2017
 - Meeting with DRA-DIRS Senior management on remaining items.
- December/January 2018
 - OGC review of language (standard 10 days) and provide feedback.
- January 2018
 - Public meeting with NEI to discuss next steps.

Areas for Clarification

- Details of technical analysis to consider
 - Minimum technical analysis criteria
- How to address/track newly added equipment
- Maintenance rule scoped in EOP equipment could not be removed based on newly added equipment

Progress on Risk Informed Licensing Reviews

Russell Felts
NRR - DRA

FIRE PRA Realism

NEI

Agency Response to SRM on Risk-Informed Decision- Making

Candace de Messieres
NRR - DRA

Background

- NRC, industry, and external stakeholders briefed the Commission on risk-informed regulation on May 11, 2017.
- The Commission requested an information paper on plans to increase staff capabilities in risk-informed decision-making.*
 - Challenges towards further progress in RIDM
 - Measures to overcome these challenges
 - Summary of current mandatory training requirements related to RIDM for managers and staff
- The staff will periodically update the Commission on its efforts.

* SRM-M170511 (ADAMS Accession No. ML17177A397)
SECY-17-0112 (ADAMS Accession No. ML17270A197)

Challenges and Strategies

- 6 challenges are identified that address cultural, knowledge, support, and PRA technical issues.
- 5 cross-cutting strategies are aimed at enhancing internal culture with respect staff awareness, knowledge, and support for risk-informed decision making, and improving guidance, processes, training, and communication.

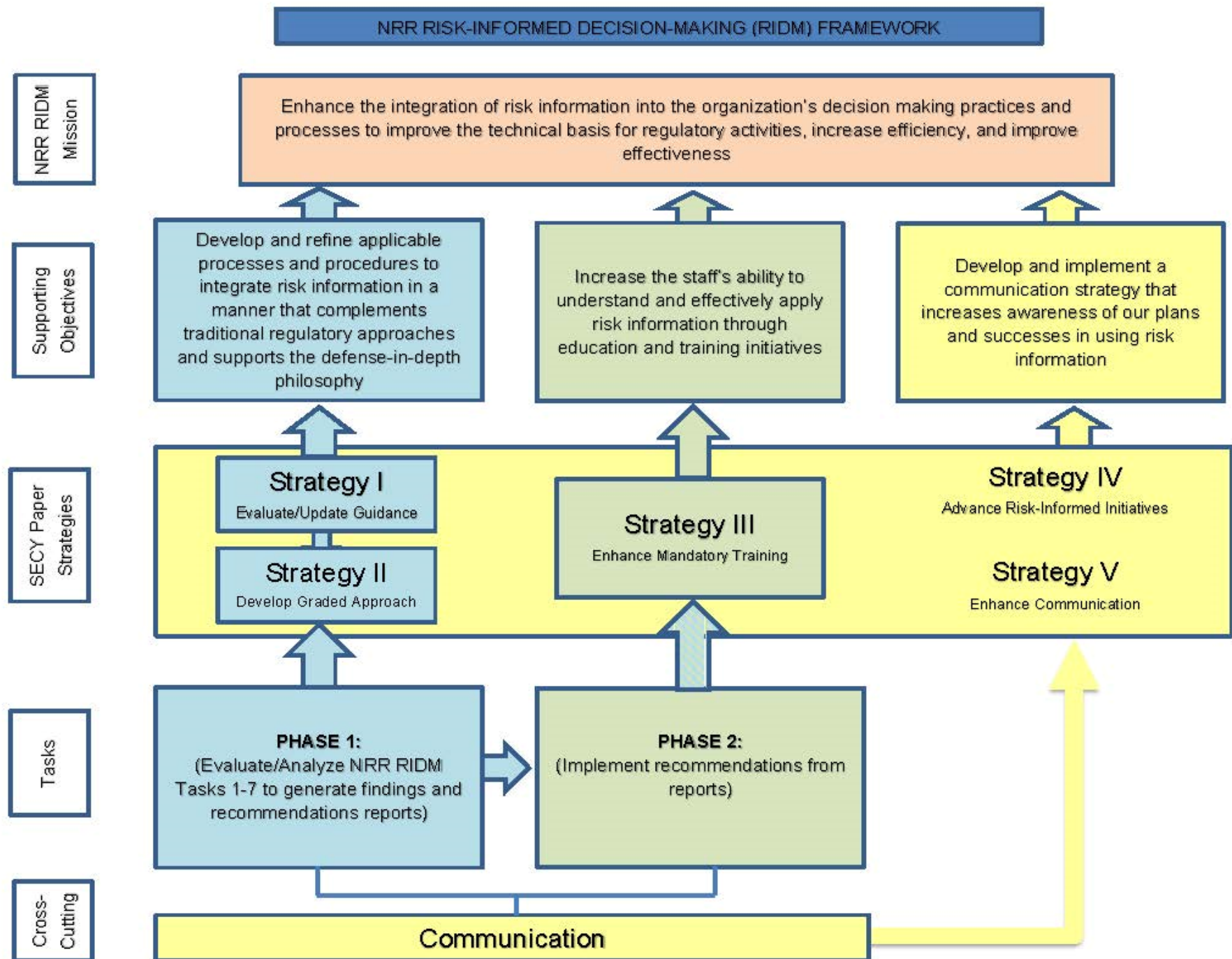
Challenge \ Strategy	Strategy I Evaluate and Update Guidance	Strategy II Develop Graded Approach	Strategy III Enhance Staff Training	Strategy IV Advance Risk Initiatives	Strategy V Increase Commun.
(1) Knowledge and Support	X		X		X
(2) Review Integration	X	X	X		X
(3) Guidance Development	X	X	X		X
(4) PRA Acceptability				X	X
(5) PRA Realism	X			X	X
(6) Risk Aggregation	X			X	X

Risk-Informed Decision-Making Action Plan

Jason Paige
NRC - NRR

RIDM Action Plan Overview

- The RIDM action plan will provide a strategic framework (process) for implementing the 5 cross-cutting strategies in the SECY paper
- There are currently 7 RIDM tasks in the action plan being reviewed by working groups
 - Tasks generated from NRR management
 - Considers the 8 Region IV differing professional opinion (DPO) recommendations associated with the two emergency license amendments for Palo Verde Nuclear Generating Station, Unit 3 involving diesel generator allowed outage times (AOTs).
- The RIDM action plan will utilize a phased approach to accomplish the tasks
 - Phase 1 – Collect/analyze data to support recommendation reports – Spring 2018
 - Phase 2 – Implementation of the recommendations – December 2018
- Next revision of the action plan – December 2017
 - Current version – August 2017 (ML17219A375)



RIDM Action Plan Tasks

NRR RIDM Tasks	Task Description
NRR RIDM Task 1	Expanded use of license review teams, including evaluating the technical reviewer, risk analyst, and project manager roles/responsibilities.
NRR RIDM Task 2	Broadened understanding of risk and risk insights, including the evaluation of LERF in regulatory applications. In addition, the staff will evaluate whether current policy on comparing risk is appropriate (e.g., whether risk should be compared against the baseline risk (consistent with current guidance) or versus shutdown risk; and if the latter, how this would be quantified?).
NRR RIDM Task 3	Develop a graded approach for using risk information more broadly in licensing reviews. Tasks 1 and 2 are related to NRR Task 3.
NRR RIDM Task 4	Review of Branch Technical Position (BTP) 8-8, Onsite (Emergency Diesel Generators) and Offsite Power Sources Allowed Outage Time [AOT] Extensions
NRR RIDM Task 5	Evaluate DPO recommendations 5 and 6, including evaluating the possibility to leverage the risk-informed notebooks as job aids for the staff.
NRR RIDM Task 6	Evaluate the guidance in the four pertinent documents (RG 1.174, RG 1.177, RG 1.200, and NUREG-1855) discussed in DPO Panel Recommendation 7 to determine if better harmonization is appropriate, and provide recommendations on a path forward, if appropriate.
NRR RIDM Task 7	With the impending revision to RG 1.174, determine whether there are any other pertinent documents or procedures that should be updated (e.g., RG 1.177).

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