

January 29, 2008

MEMORANDUM TO: Michael Franovich, Chief  
PRA Operational Support and Maintenance Branch  
Division of Risk Assessment  
Office of Nuclear Reactor Regulation

FROM: Jay E. Robinson, Project Manager */RA/*  
Generic Communications and Power Uprate Branch (PGCB)  
Division of Policy & Rulemaking  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF PUBLIC MEETING OF THE DIGITAL  
INSTRUMENTATION AND CONTROLS RISK-INFORMING ISSUES  
TASK WORKING GROUP WITH INDUSTRY REPRESENTATIVES TO  
DISCUSS ISSUES RELEVANT TO RISK-INFORMING THE DIGITAL  
INSTRUMENTATION AND CONTROLS SYSTEM

On January 14, 2008, the U.S. Nuclear Regulatory Commission (NRC) Digital Instrumentation and Controls (DI&C) Risk Informing Task Working Group (TWG) and industry representatives held a public meeting in Rockville, MD. A public meeting notice was issued on January 2, 2008 and was posted on the NRC's external (public) web page (ADAMS Accession No. ML073540322). Agenda items included: A review of previous action items; a review of industry comments on the draft Interim Staff Guidance (ISG); discussions on proposals for project management of problem # 2; and a review of revisions to the project plan. Enclosure 1 provides a list of those in attendance and individuals who participated via teleconference. Enclosure 2 is the meeting agenda. Information presented by the NRC and NEI at the meeting is available in the NRC Agencywide Documents Access and Management System (ADAMS) under Accession No. ML080180039.

A representative of the NRC opened the meeting and stated that the purpose of the meeting was to review industry comments on the draft ISG, review issues related to Problem 2, and to discuss revisions to the project plan.

A representative of the NRC reviewed the status of the previous NRC action items as follows:

1. Provide point of contact for EPRI Memorandum of Understanding (MOU).

Status: Complete. Peter Appignani, Office of Research, Division of Risk Analysis, Performance and Reliability Branch, is the primary point of contact for EPRI MOU's. Alan Kuritzky, Office of Research, Division of Risk Analysis, Probabilistic Risk Assessment Branch, will be the point of contact for EPRI MOU's related to Digital I&C.

2. Provide regulatory basis for requiring a BTP 19/SRM evaluation.

Status: Open. This will be provided at a later date.

3. Provide references for conclusion that inclusion of a Diverse Actuation System (DAS) positively affects safety insights.

Status: Complete. Addressed in the draft ISG.

4. Provide schedule for production of NUREGs related to Problem Statement #2.

Status: Withdrawn. A representative of the NRC indicated that any milestones associated with the publication of NUREG are internal to the NRC and will not be released. A representative of the NRC further stated that the NUREG is in the comment/resolution phase.

5. Provide schedule for comment period on draft Problem Statement #1 ISG.

Status: Complete. Industry comments were received on January 4, 2007 (ADAMS Accession Nos. ML080220153, ML080220154, ML080220157).

A representative of the NEI reviewed the status of the previous NEI action items as follows:

1. Develop prioritized list on Problem Statement #2 discussing projected regulatory applications of risk information (e.g. diversity and defense in depth).

Status: Complete.

2. Develop draft criteria/method/matrix for estimating modifiers to software common cause failure probability when a value less than one can be justified.

Status: In Process. Working with TWG # 2.

3. Identify potential pilot plant and draft pilot plan for Problem Statement #2.

Status: In Process.

4. (long term) Draft method for risk-informing decisions for advanced reactors.

Status: In Process.

5. Provide comments on conceptual paper by COB November 13.

Status: Complete. NEI provided comments as indicated above.

6. Provide comments on draft NUREG by COB November 14.

Status: Complete. NEI provided comments as indicated above.

Representatives of both the NRC and the NEI discussed the industry comments to the draft ISG.

Representatives from the NEI presented "Problem Statement 2" (ADAMS Accession No. ML080180051).

Representatives from the NEI presented "Industry Proposal for Problem Statement # 2 Activities" (ADAMS Accession No. ML080180056).

Representatives from the Electric Power Research Institute (EPRI) presented "Generation of Risk Insights Related to the D3/HFE ISG on Credit for Operator Action" (ADAMS Accession No. ML080180059).

Action items as a result of this meeting are as follows:

1. The NRC will issue a revised draft ISG on or about January 25, 2008.
2. The NRC will address additional Industry comments on pages 5 and 9 of the ISG respectively.
3. The NRC will review criteria A.2.b and A.2.c on page 12 of the ISG.
4. The NEI will provide comments to the NRC on the revised draft ISG (Item 1. above) within two weeks of receipt.
5. The NEI will provide additional information concerning sensitivity studies.
6. The NEI will continue to develop draft criteria/method/matrix for estimating modifiers to software common cause failure probability when a value less than one can be justified.
7. The NEI will continue to work to identify a potential pilot plant and draft pilot plan for Problem Statement #2.
8. (long term) The NEI will continue to work on drafting a method for risk-informing decisions for advanced reactors.

The date of the next meeting was discussed and no agreement was made on a particular date. The most likely date for the next meeting will be sometime in early February, 2008.

Enclosure 1: List of Attendees

Enclosure 2: Agenda

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Enclosure 1: List of Attendees

Enclosure 2: Agenda

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William Kemper	Michael Junge	Michael Marshall	Timothy McGinty
Stewart Bailey	Deborah Jackson	Daniel Santos	Russell Sydnor
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ADAMS Accession Nos:	Package:	ML080180039
	Memo:	ML080180042
	Industry Comments on Draft ISG:	ML080220153
		ML080220154
		ML080220157
		ML080180051
	Problem Statement 2:	
	Industry Proposal for Problem	
	Statement # 2 Activities:	ML080180056
	Generation of Risk Insights Related	
	to the D3/HFE ISG on Credit for	
	Operator Action:	ML080180059

\* concurrence via e-mail

OFFICE	NRR/PGCB/PM	NRR/DRA
NAME	JRobinson	MFranovich *
DATE	01/29/2008	01/29/2008

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List of Attendees for January 14, 2008 Public Meeting  
of Digital Instrumentation and Control, Task Working Group 3, Risk Informing

NAME	ORGANIZATION
Gordon Clefton	NEI
Victoria Anderson	NEI
Dave Blanchard	AREI/EPRI
Jeff Stone	Constellation Energy
Pranas Guha	DOE
Sean Smith	Lockheed Martin
William Catullo	Westinghouse
Ken Canavan *	EPRI
Ray Torok *	EPRI
Bob Enzinna *	AREVA
Mike Franovich	NRC
Alan Kuritzky	NRC
Glenn Kelly	NRC
Steven Arndt	NRC
James Vail	NRC
Cliff Douth	NRC
Hossein Hamzehee	NRC
Jay Robinson	NRC

\* Participated Via Teleconference

AGENDA  
TASK WORKING GROUP 3  
MEETING WITH INDUSTRY REPRESENTATIVES TO DISCUSS  
ISSUES RELATED TO RISK-INFORMING DIGITAL INSTRUMENTATION AND CONTROLS  
January 14, 2008

<u>Time</u>	<u>Topic</u>	<u>Lead</u>
9:00	Introductory Remarks	NRC
9:15	Previous Action Items	NRC/NEI
9:45	Review of Industry Comments on Draft ISG	NRC/NEI
10:30	Break	
10:45	Continue Review of Review of Industry Comments on Draft ISG	NRC/NEI
11:30	Lunch	
12:30	Complete review of ISG comments	NRC/NEI
1:30	Review Proposals for Project Management of Problem #2	NRC/NEI
2:15	Break	
2:30	Continue Review of Problem #2 and Modifications to Project Plan	NRC/NEI
3:45	Review Action Items	NRC/NEI
4:00	Public Questions and Comments Closing and Adjournment	NRC