

June 28, 2007

MEMORANDUM TO: Michael Franovich, Chief
PRA Op. Support & Maintenance Branch
Division of risk assessment
Office of Nuclear Reactor Regulation

FROM: Girija S. Shukla, Project Manager **/RA/**
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Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE MAY 30, 2007, MEETING WITH INDUSTRY REPRESENTATIVES AND THE RISK-INFORMING DIGITAL INSTRUMENTATION AND CONTROL (I&C) TASK WORKING GROUP (TWG) TO DISCUSS ISSUES RELATED WITH RISK-INFORMING DIGITAL I&C REVIEWS AND THE ASSOCIATED PROJECT

On May 30, 2007, the U.S. Nuclear Regulatory Commission (NRC) Digital Instrumentation and Controls (Digital I&C) Risk Issues Task Working Group (TWG) and industry representatives of the Digital I&C Project held a Category 2 public meeting at the NEI Offices in Washington, DC. The purpose of the meeting was to discuss issues related with risk-informing digital I&C reviews and the associated project plan. A summary of the meeting discussion is provided below.

During the meeting, the TWG had discussions with the industry on the updated project plan and each of the three problem statements. Also, presentations were made by the NRC staff and the industry representatives on the following topics.

- On the Modeling and Review of Digital Systems in DC/COL PRAs (NRC) (ML071770238)
- Problem Statement No. 1, modeling of digital systems in PRAs (Industry) (ML071770243)
- Problem Statement No. 2, risk insights from current PRAs (Industry) (ML071770244)
- Problem Statement No. 3, state-of-the-art modeling method (Industry) (ML071770249)

Meeting Conclusion

At the conclusion of the meeting, the NRC staff emphasized that the NRC staff and industry representatives should continue interactions to achieve timely resolution of digital I&C issues to support the overall project plan.

NRC discussed its plans to complete the development of the project plan and to ensure that the problem statement and goals are clearly-defined. NRC and industry also discussed the problem statements, goals and schedules to support task working group (TWG) deliverables.

The NRC staff and industry representatives agreed on the importance of interacting at each step to ensure that NRC and industry needs are understood. NRC staff agreed to communicate its detailed action steps and schedules for completing the milestones described in the project plan.

Based on its review of the milestone completion dates in the draft project plan, industry indicated that they would be able to make submittals for combined license applications and design certification applications while NRC staff work continued on interim guidance. Industry noted the importance of continued communication of staff activities to develop interim guidance.

Industry also provided input to the staff on their perspective for the priority of completion of the problem statements. Specifically, industry indicated that Problem Statement No. 1 was the highest priority, Problem Statement No. 2 was the second priority, and Problem Statement No. 3 was the third priority.

Summary of Action Items Assigned

The following key action items were assigned during the meeting:

- Industry will send NRC a white paper for Problem Statement No. 1 before the end of June 2007
- Industry will send NRC a white paper for Problem Statement No. 2 before the end of August 2007
- Industry will find out when industry representatives are available for a meeting with NRC in early July and will coordinate with the NRC staff to select a date.
- Industry will recommend an industry representative for the peer review of the report on dynamic modeling of a feedwater system.
- Industry will update the NRC TWG on its review of the operating experience database on digital system failures.

The meeting notice with the agenda can be found via the Agencywide Documents Access and Management System (ADAMS) Accession Number ML071340082. Accession Numbers for the NRC staff and industry presentations are provided with their titles in this summary. Please direct any inquiries to Girija Shukla at 301-415-8439, or gss@nrc.gov.

Enclosure: List of Attendees

cc w/encl: See next page

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ATTENDEES

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MAY 30, 2007

INDUSTRY:

Dave Blanchard	- AREI
Yumi Kawanago	- Mistubishi
Ken Canavan	- EPRI
Kimberly Keithline	- NEI
Jeff Stone	- Constellation
Jim Riley	- NEI
Bob Enzina	- AREVA
Tom Carrier	- Erin/Exelon
Bob Deweese	- MPR
Richard Anderson	- Westinghouse

NRC

Cornelius Holden	
Girija Shukla	
Steven Arndt	
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