

December 10, 2007

MEMORANDUM TO: Deborah A. Jackson, Chief
Technical Support Branch
Special Projects and Technical
Support Directorate
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

FROM: James A. Smith, Project Manager /RA/
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Special Projects and Technical
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Division of Fuel Cycle Safety
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SUBJECT: MINUTES FROM NOVEMBER 16, 2007, PUBLIC MEETING ON
TASK WORKING GROUP #7, DIGITAL INSTRUMENTATION
AND CONTROL FOR FUEL CYCLE FACILITIES

The Nuclear Regulatory Commission (NRC) held a public meeting with the Nuclear Energy Institute (NEI) and other stakeholders on November 16, 2007, at 8:30 a.m. to discuss the draft Problem Statements for Task Working Group (TWG) #7: Digital Instrumentation and Control (DI&C) for Fuel Cycle Facilities. Working group members from the NRC as well as members from industry attended via telephone bridge line. Discussion of the draft problem statements resulted in a revision to some of the sentence outlines and suggestions for changes to the problem outlines of the ISG document particularly with respect to problem statement 3. It will be rewritten to clarify that independence concerns are specific to issue with respect to criticality safety and that reliability analysis can be used for other hazards. An additional problem statement with respect to diversity was suggested; however, NEI plans to work on the issue in interim between working group meetings before submitting a proposal on the issue.

Following further discussion of the problem statements, action items for staff and industry representatives for the next meeting were finalized. The action items are listed in the enclosure. The meeting was adjourned at 2:30 p.m. The next meeting will be held on December 12, 2007, to review the status of completion of the revisions to the sentence outlines and the action items. The remaining changes to the problem statements will be discussed at the follow-on meeting in January 2008. A transcript of the November 16, 2007 meeting will be prepared and placed into the Agency-Wide Documents Access and Management System.

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PARTICIPANTS: NRC and external stakeholders, including members of NEI, industry representatives, consultants to the nuclear industry, and any interested members of the public.

NRC

Deborah Jackson
David Rahn
Walter Schwink
Wilkins Smith
James Smith
Denise Edwards

INDUSTRY REPRESENTATIVES

Felix Killar, NEI
Ed Prytherch, Westinghouse
Steve Powers, AREVA
Scott Murray, GNF-A
Gordon Cleifton, NEI
Charles Vaughan, NEI

Enclosure: Action Items

cc: S. Murray, GE
S. Powers, AREVA
F. Killar, NE
E. Prytherch, Westinghouse

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Digital Instrumentation and Control
Task Working Group #7

Meeting, held November 16, 2007 at NRC Offices, N. Bethesda, MD

Action Items in Preparation for Next Meeting

<u>Action Item</u>	<u>Description</u>	<u>Responsibility</u>
1	Ascertain the applicability of the Interim Staff Guidance for Cyber Security (as described in Digital I&C ISG for TWG #1) for Cat.1 and Cat 3 facilities	Jim Smith and Dave Rahn, NRC
2	Review Branch Technical Position BTP 7-19, Position 4, for applicability to fuel cycle facilities, in light of the fact that most facilities do not rely on manual operator actions as required back-ups for safety functions due to the speed (i.e., short duration) of the event.	All
3a	Split Problem Statement 3 into two parts—one dealing with criticality prevention while complying with the double-contingency principle and the other dealing with reliability requirements for digital I&C systems used for non-criticality IROFS	Jim Smith, NRC
3b	Develop a generic problem statement pertaining to reliability of digital control systems used as IROFS in fuel cycle facilities	Felix Killar, NEI
4	Determine applicability of the ISG from (as described in Digital I&C ISG for TWG #4, pertaining to highly-integrated control rooms—communication issues, in light of the degree to which control rooms are implemented in fuel cycle facilities	Deborah Jackson, Dave Rahn, and Jim Smith, NRC, with input from NRC inspectors
5	Evaluate current use of standards for software quality control when upgrading control systems within fuel cycle facilities to digital I&C technology	Deborah Jackson, Dave Rahn, and Jim Smith NRC, with input from NRC inspectors

Enclosure