

May 7, 2008

MEMORANDUM TO: Michael L. Marshall, Jr., Chief
Technical Specifications Branch
Division of Construction Inspection and Operational Programs
Office of New Reactors

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

SUBJECT: SUMMARY OF APRIL 16, 2008, PUBLIC MEETING OF DIGITAL
INSTRUMENTATION AND CONTROLS HIGHLY INTEGRATED
CONTROL ROOM - HUMAN FACTORS TASK WORKING GROUP
WITH INDUSTRY REPRESENTATIVES

On April 16, 2008, the U.S. Nuclear Regulatory Commission (NRC) Digital Instrumentation and Control (DI&C) Highly Integrated Control Room (HICR) – Human Factors Task Working Group (TWG) and industry representatives held a Category 2 public meeting. Enclosure 1 provides a list of those in attendance. Enclosure 2 is the meeting agenda. Information presented by the NRC and the Nuclear Energy Institute (NEI) at the meeting is available in the NRC Agencywide Documents Access and Management System (ADAMS) under Accession No. ML081190112.

The purpose of the meeting was to discuss guidance on minimum inventory of human system interfaces. A public meeting notice was issued on April 04, 2008, and was posted on the NRC's external (public) web page (ADAMS Accession No. ML080930622).

A representative of the NRC opened the meeting and indicated that minimum inventory will be discussed at this meeting and that manual operator actions will be discussed at the next meeting. Both the NRC and the NEI participated in discussions concerning revisions to Interim Staff Guidance, Problem Statement Status, and Project Plan updates.

Representatives from the NEI presented "Minimum Inventory" ML081190119. During this discussion, the NEI also presented "Examples of Minimum Inventory Human System Interfaces to be Provided as Part of the Tier 2* Information for New Plant Designs", ML081190124; Table 4-1, Minimum Inventory HIS Design Requirements Matrix", ML081190130; and Table 4-2, Summary List of Safety-Related and SDCV or One-Step Accessible HSIs", ML081190147.

During the NEI presentations on Minimum Inventory there was significant discussion on Tier 1 Tier 2, and Tier 2 * information as discussed in Appendices A through D to 10 CFR Part 52, Design Certification Rules for the U.S. Advanced Boiling Water Reactor, System 80+ Design, AP600 Design and AP1000 Design (respectively). A representative from NRC headquarters was contacted who participated in the meeting via teleconference and provided additional clarification in this area.

A representative from the NEI discussed future endorsement of EPRI (Electric Power Research Institute) Report 1015089 "Minimum Inventory of Human System Interfaces". Representatives of the NRC indicated that endorsement may come in the form of referencing the EPRI report when the Standard Review Plan (SRP) is revised to incorporate DI&C-ISG-05 "Highly-Integrated Control Rooms—Human Factors Issues", (ML072540140).

The next meeting is scheduled for May 21, 2008 in Rockville, Maryland where it is planned to have the industry make several presentations on unique prompting alarms, manual operator actions, and computerized procedures.

The NEI indicated that due to other commitments, the third Wednesday of the month for the July and August meetings may not be the best time for these meetings and that the NRC should consider changing the dates and possibly combining these two meetings into one meeting. Representatives from the NRC indicated that they would take this into consideration when scheduling the July/August meetings.

cc w/encl: See next page

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V. Barnes			

Package: ML081190112

Memo: ML081190114

Industry Presentation on Minimum Inventory: ML081190119

Examples of Minimum Inventory Human System Interfaces to be Provided as Part of the Tier 2*

Information for New Plant Designs: ML081190124

Table 4-1, Minimum Inventory HSI Design Requirements Matrix: ML081190130

Table 4-2, Summary List of Safety-Related and SDCV or One-Step Accessible HSIs: ML081190147

* concurrence by e-mail

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NAME	JRobinson	MMarshall
DATE	05/07/2008	05/06/2008

OFFICIAL RECORD COPY

TASK WORKING GROUP 5

APRIL 16, 2008 MEETING WITH INDUSTRY REPRESENTATIVES TO DISCUSS
ISSUES RELATED TO DIGITAL INSTRUMENTATION AND CONTROL HIGHLY
INTEGRATED CONTROL ROOM—HUMAN FACTORS

Name	Organization
Rich Stattel *	GE H
Gordon Clefton	NEI
Mike Herron	GE H
Bob Fuld	WEC
Russell Smith	NEI
Chris Kerr	Exelon
Joseph Naser	EPRI
Bob Fink	CDF Services
Victoria Anderson	NEI
Jim Riley	NEI
Ken Scarola *	MNES – NAE
Don Taylor *	GE H
George Lapinsky	NRC
Larry Vick	NRC
Barry Marcus	NRC
Stewart Bailey	NRC
Jay Robinson	NRC
James Bongarra	NRC
David Desaulniers	NRC
Michael Boggi	NRC
Michael Junge	NRC
Michael Marshall	NRC

* - participated via teleconference

AGENDA

TASK WORKING GROUP 5

APRIL 16, 2008 MEETING WITH INDUSTRY REPRESENTATIVES TO DISCUSS
ISSUES RELATED TO DIGITAL INSTRUMENTATION AND CONTROL HIGHLY
INTEGRATED CONTROL ROOM—HUMAN FACTORS ISSUES

<u>Time</u>	<u>Topic</u>	<u>Lead</u>
9:00 am	Introductions	ALL
9:15	Minimum Inventory	NRC
12:00 pm	Lunch	N/A
12:45	Minimum Inventory	NRC
3:15	Status of Ongoing Activities	NRC
3:45	Public Questions and Comments	NRC
	Closing and Adjournment	

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