December 12, 2007

MEMORANDUM TO: Michael Junge, Chief
Operator Licensing & Human Performance Branch
Division of Construction Inspection
& Operational Programs
Office of New Reactors

FROM: Michael L. Marshall, Jr., Chief ***/RA/***
Technical Specifications Branch
Division of Construction Inspection
& Operational Programs
Office of New Reactors

SUBJECT: SUMMARY OF NOVEMBER 13, 2007, PUBLIC MEETING OF DIGITAL INSTRUMENTATION AND CONTROLS HIGHLY INTEGRATED CONTROL ROOM - HUMAN FACTORS TASK WORKING GROUP WITH INDUSTRY REPRESENTATIVES TO DISCUSS DRAFT INTERIM STAFF GUIDANCE AND PROJECT PLAN

On November 13**,** the U.S. Nuclear Regulatory Commission (NRC) Digital Instrumentation and Control (I&C) Highly Integrated Control Room (HICR) – Human Factors Task Working Group (TWG) and industry representatives held a Category 2 public meeting. The purpose of the meeting was to discuss the status of HICR-Human Factors TWG activities.

The discussions were primarily focused on current NRC status, general technical content of planned industry white papers, and future meetings and direction.

NRC staff discussed where the different Interim Staff Guidance (ISG) will be incorporated. There was discussion regarding the need to update the minimum inventory and computer-based procedures ISG. NRC priorities for near-term TWG focus are Minimum Inventory and Manual Operator Actions.

Industry has proposed to provide new draft white papers on the topics of minimum inventory and computer-based procedures. White papers are expected in December, 2008. Industry presentations discussed the desire to include "risk" and more detail into the ISG. Industry expressed desire to expand the ISG to include more implementation guidance.

Industry discussed adding two topics to the discussion list:

- Multi-channel Video Display Units (VDUs)
- Human Factors document matrix to support licensing process TWG

Contact: Michael L. Marshall, Jr., NRO/DCIP/CTSB
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Other industry presentations included:

- Graded approach to Human Factors (new report in late March or April, 2008)
- Manual Operator Actions
- Minimum Inventory

Discussion regarding the topic of Manual Operator Actions included the possibility of endorsing ANS 58.8 if it is updated with digital instrumentation and control (I&C) data.

The next meeting will be on January 16th from 9 am to 4 pm to discuss manual operator actions and computer-based procedures. Ongoing, there will be recurring meetings every third Wednesday of the month.

The meeting agenda can be found via the Agencywide Documents Access and Management System (ADAMS), Accession Number ML073111110. Please direct any inquiries to Jay Robinson at 301-415-2878, or jer8@nrc.gov.

Enclosures: List of Attendees
NEI's Presentation on Computerized Procedures
NEI's Presentation on Minimum Inventory
NEI's Presentation on Human Factors TWG Continued Tasks to Achieve Goals
NEI's Presentation on Graded Approach to Human Factors Engineering

cc w/encl: See next page

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OFFICE	NRO/DCIP/CTSB
NAME	MMarshall
DATE	12/12/2007

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November 13, 2007 Public Meeting Between Task Working Group 5 of the Digital Instrumentation and Control Project and the Nuclear Energy Institute (NEI) Regarding Highly Integrated Control Room-Human Factors	
Name	**Organization**
Russell Smith	NEI
Jay Persensky	NRC/RES
Michael Marshall	NRC/NRO
Michael Boggi	NRC/RES
George Lapinsky	NRC/NRR
Larry Vick	NRC/NRR
Jim Bongarra	NRC/NRO
Chris Kerr	Exelon
Tim Hurst	STP 3 & 4
Frank Quinn	STP 3 & 4
Ken Harris	GE/ESBWR
Catherine Gaddy	GE/ESBWR
Rossnyer Alvarado	MPR Associates
Joseph Naser	EPRI
Bob Fink	CDF Services
Jim Riley	NEI
Gordon Clefton	NEI
*Bob Fuld	Westinghouse (SBC Global)
Bob Gill	Duke Energy

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