

August 27, 2007

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

FROM: Diana Diaz Toro, Project Manager **/RA/**
Electrical Instrumentation and Controls Branch
Division of Engineering
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF AUGUST 16, 2007, TELECONFERENCE OF THE
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 August, 16, 2007, 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 via teleconference. The purpose of the meeting was to discuss the HICR-Human Factors TWG Minimum Inventory of Human System Interfaces draft Interim Staff Guidance (ISG) (ML072260343) and the Computer-Based Procedures and Soft Controls draft ISG (ML072270673), publicly available on the NRC Digital I&C website for stakeholder's review.

The discussions focused on the technical content of the draft ISGs as well as industry's comments resulting from the August 8, 2007, public meeting (ML072320504). The NRC staff considered industry's comments specific to Tier2* level information (ML072360303) and design of I&C architecture-loss of control automatic functions (ML072360311) and incorporated the comments into the draft ISGs as appropriate.

The NRC staff discussed those significant changes made to the Computer-Based Procedures and Soft Controls draft ISG as well as the resolution and disposition of industry's comments provided during the August 8, 2007, public meeting. The changes addressed specific topics including hold-points, backup procedures, soft controls, and data validation. In addition, the NRC staff clarified that the draft ISG would not address training.

Discussions regarding the Minimum Inventory of Human System Interfaces draft ISG were focused on the disposition and resolution of industry's comments resulting from the August 8, 2007, public meeting. The topics discussed included common cause failure language, the definition of minimum inventory, Tier 2* level information, and function-based task analysis.

The NRC staff also discussed the interactions between the HICR-Human Factors TWG and the HICR- Communications TWG given that Human Factors is within the scope of the HICR- Communications ISG.

Summary of Action Items

The following key action items were assigned during the meeting:

- Industry:
 - The industry will provide comments to the NRC on both draft ISGs by Friday, August 24, 2007.
 - The industry agreed to provide the definition of the following concepts: soft controls and display object, by Friday, August 24, 2007.
 - The industry agreed to further research the function-based task analysis topic and might provide input by Friday, August 24, 2007.

- NRC:
 - The NRC staff will consider industry's comments on the draft ISGs and incorporate where appropriate.

Following the meeting, the NRC staff expressed its appreciation to the industry for their participation and comments. An attendance list is provided in the enclosure. The meeting agenda can be found via the Agencywide Documents Access and Management System (ADAMS), Accession Number ML072210659. Please direct any inquiries to Diana Diaz Toro at 301-415-3135, or ddt1@nrc.gov.

Enclosure: List of Attendees

cc w/encl: See next page

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J. Persensky	Michael Boggi	J. Bongarra	George Lapinsky
B. Marcus	L. Vick	D. Diaz Toro	James Smith

External Email:

kah@nei.org	kak@nei.org	bob.brown@ge.com
jnaser@epri.com	tharris@usainc.org	

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OFFICE	EICA/DE/NRR	TSB/DCIP/NRO
NAME	DDiazToro	MMarshall
DATE	08/ 27 /2007	08/ 27 /2007

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ATTENDEES

TELECONFERENCE OF THE DIGITAL INSTRUMENTATION AND CONTROLS HIGHLY
INTEGRATED CONTROL ROOM - HUMAN FACTORS TASK WORKING GROUP TO
DISCUSS THE DRAFT INTERIM STAFF GUIDANCE

AUGUST 16, 2007

INDUSTRY:

Kimberly Keithline	NEI
Frank Quinn	STP 3/4
Tony Harris	STARS
Bob Brown	GE
Msafumi Utsumi	MHI
Bob Fuld	Westinghouse
Bob Fink	CDF Services, Inc.

NRC:

Michael Marshall	NRO
Norbert Carte	NRO
George Lapinsky	NRR
Michael Junge	NRO
J. Persensky	RES
Marta Barrientos	RES
Michael Boggi	RES
John Monninger	RES
Larry Vick	
Diana Diaz Toro	NRR

ENCLOSURE