

July 2, 2007

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

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

SUBJECT: SUMMARY OF MAY 31-JUNE 1, 2007 MEETING WITH INDUSTRY REPRESENTATIVES AND THE DIGITAL INSTRUMENTATION AND CONTROLS HIGHLY INTEGRATED CONTROL ROOM - HUMAN FACTORS TASK WORKING GROUP (TWG) TO DISCUSS PROBLEM STATEMENT AND PROJECT PLAN

During May 31-June 1, 2007, the U.S. Nuclear Regulatory Commission (NRC) Digital Instrumentation and Controls (Digital I&C) Highly Integrated Control Room - Human Factors (HICR-HF) Task Working Group (TWG) held a public meeting with industry representatives of the Digital I&C Project. The purpose of the meeting was to discuss the draft HICR-HF project plan, including human factors-related problem statements, long and short-term goals/success criteria, potential critical paths, and milestones for finalizing the overall final Digital I&C project plan.

During the meeting, the TWG had discussions with the industry on the updated project plan, the problem statements, and the milestones. Discussions were held on the need for HF TWG support to other TWGs on two problem statements that other TWGs have lead, such as crediting manual operator actions (D3 TWG), and multi-channel Video Display Units (VDU) (Communications TWG). Also, presentations were made by the industry representatives on the following topics - 1. NEI Slides - use of multi-channel video display units (VDU), manual operator actions, basis for prioritization, problem statements priorities, and graded approach to HFE (ML071830082); 2. EPRI Slides on Computerized Procedures (ML071830084); and 3. EPRI Slides on Minimum Inventory (ML071830088).

#### Summary of Action Items Assigned

The following key action items were assigned during the meeting:

- Computerized Procedures:
  - The NRC staff will provide NEI a list of concerns/issues for Computerized Procedures.
  - Industry will provide NRC a white paper on Computerized Procedures by July 30, 2007.
- Minimum Inventory:
  - The NRC staff will provide NEI comments on industry's approach to Minimum Inventory.

- Graded Approach:
  - The NRC staff will provide NEI comments on the revised problem statement on graded approach.
  - Industry will provide NRC a white paper on graded approach by August 31, 2007.
- Multi-channel Video Display Units (VDU)
  - The HF TWG will work with Communications TWG on issues related to multi-channel Video Display Units.
  - The NRC staff and NEI will develop a list of key Human Factors issues for VDUs.
- Manual Operator Actions:
  - The HF TWG will work with D3 TWG on issues related to manual operator actions.
  - Industry will provide NRC a white paper on manual operator action by July 18, 2007.
- General:
  - Industry will provide NRC comments on the project plan milestones.
  - Industry will provide NRC comments on the list of regulations requiring revisions.

The meeting notice with the agenda can be found via the Agencywide Documents Access and Management System (ADAMS), Accession Number ML071350025. 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](mailto:gss@nrc.gov).

Enclosure: List of Attendees

cc w/encl: See next page

- Graded Approach:
  - The NRC staff will provide NEI comments on the revised problem statement on graded approach.
  - Industry will provide NRC a white paper on graded approach by August 31, 2007.
- Multi-channel Video Display Units (VDU)
  - The HF TWG will work with Communications TWG on issues related to multi-channel Video Display Units.
  - The NRC staff and NEI will develop a list of key Human Factors issues for VDUs.
- Manual Operator Actions:
  - The HF TWG will work with D3 TWG on issues related to manual operator actions.
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**ADAMS ACCESSION NO. ML071830094**

**NRR-001**

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ATTENDEES

MEETING WITH INDUSTRY REPRESENTATIVES AND THE DIGITAL INSTRUMENTATION  
AND CONTROLS HIGHLY INTEGRATED CONTROL ROOM - HUMAN FACTORS  
TASK WORKING GROUP

MAY 31-JUNE 1, 2007

INDUSTRY:

Tony Harris	- NEI	
Joe Naser	- EPRI	
Jay Amin	- TXU	
R. Alvarado	- MPR Associate	
Doug Hill	- MPR Associate	
Makoto Takashima	- MHI	
Jeff Jones	- AREVA	
Frank Quinn	- STP 3/4	(By Phone)
Tom Jenkins	- GE	
Ken Scarola	- MNES/NAE	
Bob Fuld	- Westinghouse	
Bob Fink	- CDF Services	
George Pannell	- AREVA	
C. Kerr	- Exelon	
Joe Weiss	- Applied Control Solutions	(By Phone)

NRC

W. Borchardt  
Girija Shukla  
Michael Marshall  
Darrell Roberts  
J. Persensky  
Mike Boggi  
James Bongarra  
George Lapinsky  
Barry Marcus  
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Pong Chung  
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ENCLOSURE 1