

August 13, 2007

MEMORANDUM TO: Russell Sydnor, Chief  
Instrumentation and Electrical Engineering Branch  
Division of Fuel Engineering and Radiological Research  
Office of Nuclear Regulatory Research

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

SUBJECT: FORTHCOMING PUBLIC MEETING TO DISCUSS POTENTIAL DIGITAL  
INSTRUMENTATION AND CONTROL AND HUMAN-MACHINE  
INTERFACE TEST AND RESEARCH NEEDS IN THE UNITED STATES

DATE & TIME: Thursday, September 6, 2007  
8:00 a.m. - 5:30 p.m.

Friday, September 7, 2007  
8:00 a.m. – 5:00 p.m.

LOCATION: Clarion Hotel @ Atlanta International Airport  
5010 Old National Highway  
Atlanta, Georgia  
Azalea II & III Rooms

PURPOSE: This workshop will review the current and future technical issues in the area of digital instrumentation and control and human-machine interface (I&C and HMI) and will identify the capabilities that a facility or facilities would need to have to support their resolution. The workshop will review the capabilities of current facilities and consider lessons learned from their operation. Based on this information the workshop will develop a set of options to develop additional capabilities, if needed, or ways to integrate current capabilities in a manner that creates synergies and efficiencies to support current and future needs of the technical community in the digital I&C and HMI areas.

CATEGORY 2:\* This is a Category 2 public meeting. The public is invited to participate in this meeting by discussing issues with the NRC at designated points identified on the agenda.

CONTACT: Diana Diaz Toro, NRR  
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[ddt1@nrc.gov](mailto:ddt1@nrc.gov)

PARTICIPANTS: Participants from the NRC and the Industry include the following:

NRC

Brian Sheron, RES  
Julius Persensky, RES  
Steven Arndt, RES  
Paul Dickman, OCM, et. al.

Industry

Kimberly Keithline, NEI  
Thomas Miller, DOE  
Ray Torok, EPRI, et. al.

Enclosure: Agenda

cc w/encl: See next page

\* Commission's Policy Statement on "Enhancing Public Participation in NRC Meetings," 67 *Federal Register* 36920, May 28, 2002

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**ADAMS ACCESSION NO. ML072250425**

|        |             |               |                |
|--------|-------------|---------------|----------------|
| OFFICE | EICA/DE/NRR | ERA/DFERR/RES | IEEB/DFERR/RES |
| NAME   | DDiazToro   | SArndt        | RSydnor        |
| DATE   | 08/13/ 2007 | 08/13/ 2007   | 08/14/2007     |

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INSTRUMENTATION AND CONTROL AND HUMAN-MACHINE INTERFACE TEST AND  
RESEARCH NEEDS IN THE UNITED STATES

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## **AGENDA**

### **PUBLIC MEETING TO DISCUSS POTENTIAL DIGITAL INSTRUMENTATION AND CONTROL AND HUMAN MACHINE INTERFACE TEST AND RESEARCH NEEDS IN THE UNITED STATES**

**Thursday, September 6, 2007**

Clarion Hotel @ Atlanta International Airport  
5010 Old National Highway  
Atlanta, Georgia  
Azalea II & III Rooms

| <u>Time</u> | <u>Topic</u>   | <u>Lead</u> |
|-------------|--|-------------|
| 7:00 a.m.   | Registration   |             |
| 8:00        | Welcome  | NRC         |
| 8:10        | Logistics for sessions   | Facilitator |
| 8:15        | Open remarks by NRC Commissioner<br>or representative  |             |
| 8:30        | Opening remarks by Brian Sheron, Director,<br>Office of Nuclear Regulatory Research  | NRC         |
| 8:40        | Opening remarks from other stakeholders  |             |
| 8:50        | Review of current and future regulatory needs  | NRC         |
| 9:15        | Public comments  | NRC         |
| 9:30        | BREAK  |             |
| 9:45        | Review of existing capabilities  | PNNL        |
| 10:30       | Open discussion on regulatory issues that need<br>to be solved and what capabilities are needed to<br>support resolution of these issues | Facilitator |
| 11:30       | Instructions to focus groups   | NRC         |
| 12:00 p.m.  | LUNCH (on own)   |             |

ENCLOSURE

|      |   |             |
|------|---|-------------|
| 1:00 | Focus Group Work: Regulatory issues and needed capabilities in breakout rooms | Facilitator |
| 3:00 | Group reports   | Facilitator |
| 4:00 | Discussion—Finding common ground on regulatory issues and needed capabilities | Facilitator |
| 5:00 | Day two instructions to focus groups  | NRC         |
| 5:30 | Adjourn   |             |

**Friday, September 7, 2007**

Clarion Hotel @ Atlanta International Airport  
5010 Old National Highway  
Atlanta, Georgia  
Azalea II & III Rooms

| <u>Time</u> | <u>Topic</u>   | <u>Lead</u>    |
|-------------|--|----------------|
| 8:00 a.m.   | Overview of day 1 results/Q&A  | NRC            |
| 8:30        | Open discussion of potential options for a facility that would have needed capabilities to support identified regulatory needs | Facilitator    |
| 9:00        | Focus Group Work: Potential options in break out rooms   | Facilitator    |
| 11:00       | Group reports  | Facilitator    |
| 12:00 p.m.  | LUNCH (on own)   |                |
| 1:00        | Discussion—Finding common ground on potential options  | Facilitator    |
| 2:00        | Identifying competing issues   | Facilitator    |
| 3:30        | Public comments  | NRC            |
| 3:45        | Create storyboard of results for presentation to   | NRC workshop B |
| 4:15        | Closing comments   | NRC            |
| 5:00        | Adjourn  |                |