

May 9, 2012

MEMORANDUM TO: James Beardsley, Branch Chief /RA/
Construction Inspection Programs Branch
Division of Construction Inspection & Operational Programs
Office of New Reactors

FROM: Josh Wilson, Reactor Operations Engineer
Construction Inspection Programs Branch
Division of Construction Inspection & Operational Programs
Office of New Reactors

SUBJECT: SUMMARY OF APRIL 17, 2012 CATEGORY 2 MEETING WITH THE
AP1000 DESIGN-CENTERED WORKING GROUP (DCWG) AND THE
GENERAL PUBLIC TO DISCUSS THE COMPLETION AND
INSPECTION STRATEGY FOR THE DESIGN ACCEPTANCE CRITERIA
(DAC) ASSOCIATED WITH AP1000 HUMAN FACTORS DESIGN.

On April 17, 2012, a Category 2 public meeting was held between U.S. Nuclear Regulatory Commission (NRC) staff from the Construction Inspection Program Branch (CIPB) and the Operator Licensing and Human Performance Branch of the Division of Construction Inspection and Operational Programs (DCIP) in the Office of New Reactors (NRO), the AP1000 Design-Centered Working Group (DCWG), and the general public. The meeting was held at NRC Headquarters, 11555 Rockville Pike in Rockville, Maryland. The purpose of this introductory meeting was to discuss the general completion and inspection strategy for the Design Acceptance Criteria (DAC)-related Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) associated with the AP1000 human factors design. The staff opened the meeting by presenting an overview of AP1000 Human Factors Engineering (HFE) ITAAC. Highlights from the presentation include an overview of the AP1000 Design Certification Document (DCD), and a discussion of the plan going forward with an emphasis on communication and coordination between NRC and licensees.

The staff then presented an inspection overview for AP1000 HFE DAC/ITAAC, which included background information, and a discussion of the draft inspection framework flowchart. The discussion included information regarding NRC guidance documents, inspection procedures, and the process for NRC inspection of HFE DAC.

During the general discussion portion of the meeting, the following HFE topics were discussed: control room plant reference simulator completion expectations for inspection; requirements to call an I&C design "complete" and what constitutes a complete I&C design; the preliminary amendment request (PAR) process, as outlined in ISG-025, and how the PAR process can be used for an iterative process such as HFE development; application of ITAAC maintenance concepts to HFE development; application of "baselining" concepts to HFE development; and the impact of proposed Tier 2* changes to the HFE implementation plan and proposed completion schedule.

CONTACT: Joshua Wilson, NRO/DCIP
301-415-3434

Meeting attendees agreed to a follow on meeting at Westinghouse facilities in Cranberry, PA, tentatively scheduled for late May, 2012, to continue discussions of the aforementioned HFE topics.

Members of the public were in attendance, but Public Meeting Feedback forms were not received. Please direct any inquiries to me at 301-415-3434, or joshua.wilson@nrc.gov.

Docket Nos. 52-014, 52-015, 52-018, 52-019, 52-022, 52-023, 52-025, 52-026, 52-027, 52-028, 52-29, 52-30, 52-40, 52-41

Enclosure:

1. Attendance List

cc w/encl: See next page

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Enclosure:

1. Attendance List

cc w/encl: See next page

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OFFICE	NRO/DCIP/CIPB	NRO/DCIP/CIPB:BC
NAME	J. Wilson	J. Beardsley
DATE	5/8/12	5/9/12

**CATEGORY 2 PUBLIC MEETING
INTRODUCTORY DISCUSSION OF HUMAN FACTORS ENGINEERING (HFE) DESIGN
ACCEPTANCE CRITERIA (DAC)-RELATED ITAAC**

**April 17, 2012
Location: One White Flint North, Rockville, MD**

Meeting Attendees

<i>Name</i>	<i>Organization</i>
Thomas Fredette	NRO/DCIP/CIPB
Josh Wilson	NRO/DCIP/CIPB
Ravi Joshi	NRO/DNRL
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Kazunori Matsushita	NRO/DCIP
Paul Pieringer	NRO/DCIP/COLP
Brian Green	NRO/DCIP/COLP
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Chris Kerr	Exelon
Bob Seelman	WEC
Deidrick Capers	WEC
Julie Reed	WEC
Bob Hirmanpour	SNC
Thom Ray	WEC
Julie Ezell	SCANA
Paul Kumar	B&W
<i>via telephone bridge line</i>	
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Andy Barbee	SCANA
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Mark Humphries	SNC
Rick Orthen	FP&L
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(Revised 04/13/2011)

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