

April 29, 2015

MEMORANDUM TO: Terry Jackson, Branch Chief
Instrumentation, Controls, and Electronics Engineering Branch 2
Division of Engineering
Office of New Reactors

FROM: Michael S. Jones, Project Manager */RA/*
Advanced Reactor Policy Branch
Division of Advanced Reactors & Rulemaking
Office of New Reactors

SUBJECT: SUMMARY OF APRIL 9, 2015, CATEGORY 2 OPEN PUBLIC
MEETING WITH THE U.S. NUCLEAR REGULATORY
COMMISSION STAFF, INDUSTRY, AND THE GENERAL
PUBLIC TO DISCUSS I&C CYBER-SECURITY-BY-DESIGN AND
ASSOCIATED REGULATORY IMPACTS

On April 9, 2015, a Category 2 open public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff, industry, and the general public at the NRC Offices at Three White Flint North, 11601 Landsdown Street, Rockville, MD 20852, Rooms 1C03 and 1C05.

The purpose of this open meeting was to discuss NRC current thinking on this subject and to obtain industry stakeholder feedback and inputs for staff consideration.

The meeting began with a presentation of slides on the subject by the staff. The slide presentation was followed by a question and answer period in which members of the NRC staff, industry, and the public discussed particular aspects of the subject matter.

Meeting participants provided feedback on the staff's plan to prepare a SECY paper, review the options considered, and incorporate public feedback in future SECY paper preparation activities. Topics discussed included; an overview of existing cyber security regulations and guidance, the pros/cons of reviewing cyber security design controls during design certification and combined license (COL) application reviews and during licensing reviews for digital safety instrumentation and controls (I&C) system upgrades, and possible impacts of including cyber security design requirements on COL applicants and licensees. A written transcript of the meeting discussion including key questions and comments from the industry and staff is publicly available at ADAMS ML15112A155. Stakeholders indicated a desire to continue coordinating with the NRC throughout the SECY development process. The meeting concluded at approximately 11:00 a.m.

T. Jackson

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The meeting notice and agenda are included in Enclosure 1. The list of meeting attendees is included in Enclosure 2. The accession number for the meeting notice and agenda is ML15085A518, located in the NRC Agencywide Documents Access and Management System (ADAMS). The ADAMS accession number for the presentation slides is ML15093A069.

ADAMS is the system that provides text and image files of NRC's public documents. Documents are available electronically at the NRC's Electronic Reading Room at <http://www.nrc.gov/reading-rm/adams.html>.

If you do not have access to ADAMS or have problems accessing the documents located in ADAMS, contact the NRC Public Document Room staff at 1-800-397-4209, 301-415-4737, or pdr@nrc.gov.

Members of the public were in attendance in-person and on the telephone bridge line. Public meeting feedback forms were made available in the meeting room and online, but no completed forms have yet been received.

Please direct any inquiries to Mike Jones at 301-415-0189, or email Michael.jones2@nrc.gov.

Enclosures:

1. Meeting Notice and Agenda
2. List of Attendees

DISTRIBUTION:

PUBLIC

TJackson, NRO

IJung, NRO

JThorp, NRR

DZhang, NRO

RFelts, NSIR

ADAMS ACCESSION No.:ML15119A289

Via e-mail*

NRC-001

OFFICE	PM:NRO/DARR/ARPB*	SME:NRO/DE/ICE2*	BC: NRO/ICE2*
NAME	MJones	DZhang	TJackson
DATE	04/29/2015	04/29/2015	04/29/2015

OFFICIAL RECORD COPY

T. Jackson

-2-

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Via e-mail*

NRC-001

OFFICE	PM:NRO/DARR/ARPB*	SME:NRO/DE/ICE2*	BC: NRO/ICE2*
NAME	MJones	DZhang	TJackson
DATE	04/29/2015	04/29/2015	04/29/2015

OFFICIAL RECORD COPY

March 26, 2015

MEMORANDUM TO: Terry Jackson, Branch Chief
Instrumentation, Controls, and Electronics Engineering Branch 1 (ICE1)
Division of Engineering
Office of New Reactors

FROM: Michael S. Jones, Project Manager */RA/*
Advanced Reactors Policy Branch
Division of Advanced Reactors and Rulemaking
Office of New Reactors

SUBJECT: PUBLIC WORKSHOP TO DISCUSS INSTRUMENTATION AND
CONTROLS (I&C) CYBER SECURITY-BY-DESIGN AND ASSOCIATED
POTENTIAL REGULATORY IMPACTS

DATE & TIME: Thursday, April 9, 2015
8:30 a.m. – 12:00 p.m.

LOCATION: NRC Headquarters
Three White Flint North, Rooms 01C03 and 01C05
11601 Landsdown Street
Rockville, MD

PURPOSE: The purpose of the workshop is to discuss current NRC thinking on this
subject and obtain industry stakeholder feedback and inputs for staff
consideration.

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

CONTACT: Mike Jones, NRO/DARR/ARPB
301-415-0189
Michael.jones2@nrc.gov

* See Commission's Policy Statement on "Enhancing Public Participation in NRC Meetings" at
67 Federal Register 36920, May 28, 2002. The policy statement may be found on the NRC
website at:

<http://www.nrc.gov/reading-rm/doc-collections/commission/policy/67fr36920.html>

Enclosure 1

T.Jackson

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PARTICIPANTS:

NRC

D. Zhang, Office of New Reactors

M. Jones, Office of New Reactors

J. Pezeshki, Office of Nuclear Security and Incident Response

R. Stattel, Office of Nuclear Reactor Regulation

G. Singh, Office of Nuclear Reactor Regulation

CONFERENCING:

Interested members of the public can participate in this meeting via a toll-free audio teleconference. For details, please email the NRC meeting contact.

Enclosure:

Meeting Agenda

DISTRIBUTION:

PUBLIC

IJung, NRO/DE

MJones, NRO/DARR

JThorp, NRO/DE

JPezeshki, NSIR/CSD

BWestreich, NSIR/CSD

RSydnor, RES/DE

TJackson, NRO/DE

DZhang, NRO/DE

GSingh, NRR/DE

RStattel, NRR/DE

RFelts, NSIR/CSD

SArndt, NRR/DE

ADAMS ACCESSION No.: ML15085A518

Via e-mail*

NRC-001

OFFICE	PM:NRO/DARR/ARPB*	BC:NRO/DE/ICE1*
NAME	MJones	TJackson
DATE	03/26/2015	03/26/2015

OFFICIAL RECORD COPY

-2-

T.Jackson

-2-

PARTICIPANTS:

NRC

D. Zhang, Office of New Reactors

M. Jones, Office of New Reactors

J. Pezeshki, Office of Nuclear Security and Incident Response

R. Stattel, Office of Nuclear Reactor Regulation

G. Singh, Office of Nuclear Reactor Regulation

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Enclosure:

Meeting Agenda

-2-

MEETING AGENDA
Public Workshop to Discuss I&C Cyber Security-By-Design and
Associated Potential Regulatory Impacts

April 9, 2015, 8:30 AM to 12:00 PM

NRC Headquarters
Three White Flint North, Rooms 01C03 and 01C05
11601 Landsdown Street
Rockville, MD

Time	Topic	Lead
8:30 a.m. – 8:35 a.m.	Welcome and Meeting Logistics	NRC
8:35 a.m. – 8:40 a.m.	Introduction of Participants	NRC
8:40 a.m. – 9:30 a.m.	NRC Staff Topical Presentation	NRC
9:30 a.m. – 9:40 a.m.	Break	Everyone
9:40 a.m. – 10:40 a.m.	Industry Topical Presentations	INDUSTRY
10:40 a.m. – 10:50 a.m.	Break	Everyone
10:50 a.m. – 11:40 a.m.	Facilitated Open Discussion	NRC/INDUSTRY
11:40 a.m. – 11:55 a.m.	Opportunity for Public Comment	NRC/PUBLIC
11:55 a.m. – 12:00 p.m.	Closing Remarks/Adjourn	NRC

The time of the meeting is local to the jurisdiction where the meeting is being held.

The NRC provides reasonable accommodation to individuals with disabilities where appropriate. If reasonable accommodation is needed to participate in this meeting, or if a meeting notice, transcript, or other information from this meeting is needed in another format (e.g., Braille, large print), please notify the NRC meeting contact. Determinations on requests for reasonable accommodation will be made on a case-by-case basis.

Enclosure

ATTENDANCE LIST

Category 2 Public Meeting
 Three White Flint 1C03/1C05
 Public Workshop to Discuss I&C Cyber Security-By-Design and
 Associated Potential Regulatory Impacts

Thursday, April 9, 2015
 8:30 a.m. – 12:00 p.m.

NAME	AFFILIATION	NAME	AFFILIATION
C. Allen	NRC/NSIR	N. Alchaar*	SCE/SONGS
C. Antonescu	NRC/ACRS	M. Bailey	Duke Energy
S. Birla	NRC/RES	J. Barbour*	AMEREN/Calloway
S. Darbali*	NRC/RES	J. Bergman	Scientech
B. Dittman	NRC/RES	M. Berube*	GE-Hitachi
R. Felts	NRC/NSIR	B. Clever*	Westinghouse
B. Holian	NRC/NSIR	D. Daughhetee*	Southern Nuclear Operating Company
T. Jackson	NRC/NRO	M. Davidson*	STP NOC
M. Jones	NRC/NRO	K. Deopani*	GE-Hitachi
I. Jung	NRC/NRO	R. Jarrett	TVA
R. Li	NRC/NSIR	M. Kirk*	Enercon Services
E. Martinez	NRC/NRO	D. Kovacs*	Columbia Gen. Station
J. Pezeshki	NRC/NSIR	G. Clarkson	NuScale
P. Rebstock	NRC/RES	J. Connelly	Exelon
D. Rahn	NRC/NRR	M. Gibson	EPRI
J. Rycyna	NRC/NSIR	D. Gourley*	Wolf Creek Nuclear Operating Corp
R. Stattel	NRC/NRR	W. Gross	NEI
J. Tappert	NRC/NRO	R. Herb	Southern Nuclear
B. Westreich	NRC/NSIR	M. King*	NuScale
D. Zhang	NRC/NRO	M. Lewis*	Public
		D. Mills*	Westinghouse
		J. Portoff*	NuScale
		J. Roe*	Talisman Int'l
		B. Weber*	Xcel Energy
		B. Yeates	Southern Company
		C. Zozulla*	Westinghouse

* Indicates participation by telephone (planned or actual)