



SECRETARY

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 4, 2019

Colonel William E. Young, Jr., PhD
Commander, 53d Electronic Warfare Group
United States Air Force

Dear Colonel Young,

The U.S. Nuclear Regulatory Commission (NRC) is pleased that you will participate in a public Commission briefing on digital instrumentation and control, on May 14, 2019 at 9:00 a.m. The Commission is interested in hearing your perspectives on approaches for software reliability in critical safety systems, experience with guidance and standards for digital I&C, and digital implementation and operational experience. The meeting will be held in the Commissioners' Conference Room on the first floor of the NRC's Headquarters building at One White Flint North, Rockville, Maryland. I am enclosing a copy of the meeting agenda for your information. My staff will keep you informed of any updates to the agenda.

To assist the Commission in preparing for the meeting, please e-mail any written material, including slides, to Ms. Denise McGovern (Denise.McGovern@nrc.gov) and Ms. Pamela Shea (Pamela.Shea@nrc.gov) in the Office of the Secretary, by **May 7, 2019**, so that it can be distributed to the Commission for review in advance of the meeting. PowerPoint is the preferred format, but other electronic presentation formats may be used. This Commission meeting will be webcast live at the Web address: www.nrc.gov, and materials provided for the meeting will be posted on the NRC public website prior to the meeting: <http://www.nrc.gov/reading-rm/doc-collections/commission/tr/>. If you have any questions, please contact Ms. McGovern at 301-415-0681.

Your presentation at the Commission meeting should be based on the assumption that Commissioners are familiar with the content of your written material. Please plan your oral presentation for about ten (10) minutes, discussing the important points on which you wish to focus the Commission's attention. Please avoid the use of acronyms where possible. If you do use acronyms, please explain them during your presentation.

The NRC Headquarters building is located opposite the White Flint Metro Station on Rockville Pike and Marinelli Drive, Rockville, Maryland. The White Flint Metro Station is on the Red Line of the Washington area subway system. Reserved visitor parking for Commission guests is available. If you wish to use reserved parking, please notify Ms. McGovern in advance. If reserved parking has been arranged, please check-in with the security staff at the entrance to the NRC campus on Marinelli Drive when you arrive. A Security Guard will call for an escort.

Please note that visitors will be screened through metal detectors, will have their packages X-rayed, and will be required to present a picture identification card prior to signing in at the registration desk.

Sincerely,

A handwritten signature in black ink, appearing to read "Annette L. Vietti-Cook". The signature is fluid and cursive, with a large initial "A" and a long, sweeping underline.

Annette L. Vietti-Cook

Enclosures:
Draft Agenda

AGENDA

Title:	Briefing on Digital Instrumentation and Control (Public Meeting)	
Purpose:	To discuss with the Commission the plans for implementing digital instrumentation and control (I&C) systems	
Scheduled:	May 14, 2019 9:00 am	
Duration:	Approx. 3 hours	
Location:	Commissioners' Conference Room, 1 st Floor OWFN	
Participants:		Presentation
<u>External Panel</u>		40 mins.*
Col William E. Young, Jr., PhD , United States Air Force, Commander, 53d Electronic Warfare Group		10 mins.*
Topics:		
<ul style="list-style-type: none">• Perspectives on approaches for software reliability in critical safety systems , experience with guidance and standards for digital I&C• Digital implementation and operational experience		
Doug True , Chief Nuclear Officer and Senior Vice President, Generation and Suppliers, Nuclear Energy Institute		10 mins.*
Dan Stoddard , Senior Vice President and Chief Nuclear Officer, Dominion Energy		10 mins.*
Neil Wilmshurst , Chief Nuclear Officer, Electric Power Research Institute		10 mins.*
Topics:		
<ul style="list-style-type: none">• Current and future plans for digital I&C adoption• Remaining digital I&C impediments and regulatory gaps		
Commission Q & A		50 mins.
Break		5 mins.

Staff Panel

30 mins.*

Margaret Doane, Executive Director for Operations

Ho Nieh, Director, Office of Nuclear Reactor Regulation (NRR)

Eric Benner, Director, Division of Engineering, NRR

Brian Thomas, Director, Division of Engineering, Office of Research

Topics:

- Recent accomplishments
- Staff priorities for 2019
 - Strategic assessment of digital I&C regulatory infrastructure (e.g., Evaluation of a risk-informed regulatory framework based on higher level design principles)
 - Endorsement of International Electrotechnical Commission (IEC) standards
- Measuring success and determining when the digital I&C Integrated Action Plan is complete

Commission Q & A

50 mins.

Discussion – Wrap-Up

5 mins.

Documents:

Slides due to NRC: May 7, 2019