

## **OFFICE OF NUCLEAR SECURITY AND INCIDENT RESPONSE NEW TECHNOLOGIES WORKING GROUP CHARTER**

### **PURPOSE**

The New Technologies Working Group (NTWG) provides analyses and technical advice to NSIR management on new or evolving/emerging security technology that licensees may use in the future to satisfy NRC requirements for security and emergency preparedness.

### **AUTHORITY**

The NTWG will develop Technology Analysis Reports and provide briefings to inform management of progress and to provide timely feedback on new technology topics of interest. The intended outcome is to provide management with enough information to make an informative decision on how each technology will or will not fit into the current regulatory framework. Briefings will be planned as needed to communicate with or as requested by management. Members from the NTWG will be available to support NSIR management with licensee/industry drop-in meetings on new technology.

The NTWG will actively engage with management through the following:

- Provide technical advice on the ability of potential new technologies based on the General Performance Objectives under 10 CFR 73.55(b)(3)(i) and (ii) and the EP requirements set forth in the 10 CFR 50.47, Planning Standards as well as the requirements in Appendix E:
  - Provide information on the various uses of new technology and how their intended functions could meet any of the General Performance Objectives to detect, assess, interdict, and neutralize threats up to and including the design basis threat of radiological sabotage.
  - Describe any regulatory framework challenges or significant issues associated with implementation of new technology that may not, at this time, meet the current requirements.
  - Provide recommendations for potential changes to the current regulatory framework.
- Share information, as needed, with the Division of Physical and Cyber Security Policy (DPCP), the NRC Technical Training Center, the Division of Security Operations (DSO), and the Division of Preparedness and Response (DPR).

### **ACTIVITIES**

The NTWG conducts the following activities:

- Gathers information on new technologies to identify various uses, reliability and safety (testing standards, Concept of Operations (CONOPS), and safety standards, etc.) and potential NRC regulatory issues.
- Collaborates as directed with other NRC Offices (e.g., Office of General Counsel, Office of Nuclear Reactor Regulation, Office of Nuclear Regulatory Research, Office of Nuclear Material Safety & Safeguards, Office of Administration, and Office of the Chief Human

Capital Officer) and the Regions to share information on new technology and its potential effect on licensees.

- Solicits input from other Federal, State, and local, and International government agencies (e.g., Department of Defense, the Department of Energy, the Federal Emergency Management Agency (FEMA), the Federal Communication Commission, local law enforcement, and offsite response organizations, etc.).
- Interacts with industry representatives and new technologies vendors regarding understanding the operational concepts and other requirements for implementation of a new technology.
- Assesses information provided by industry, and other stakeholders, and counterparts.
- Technology Analysis Reports and briefings will contain the following sections: System Description, Intended Functions, Regulatory Framework, Inspection Areas, Potential Benefits, Regulatory Challenges and Recommendations.
- Develops and maintains a “point of contact” reference list of new technologies vendors and interagency representatives.
- Maintains and stores meeting minutes and research data on NTWG SharePoint site.

## **ROLES AND RESPONSIBILITIES**

NTWG Champions (SES) roles and responsibilities:

The Deputy Division Director, DPCP; Deputy Division Director, DPR; and Deputy Division Director, DSO will serve as SES champions. SES champions will provide advice to the NTWG Chair and Co-Chair as needed. SES champions will assist the working group with the selection of what new technologies the workgroup will review.

NTWG Member Branch’s responsibilities:

Each individual NTWG member Branch Chief will be the approval authority for any resource spending (e.g., travel, conference costs). Cost code and accounting will be the responsibility of each NTWG member’s branch.

NTWG Chair/Co-Chair (Staff) responsibilities include:

- Reporting to SES champions on matters of the NTWG.
- Ensuring new technology information is shared with the appropriate NRC offices and Regions.
- Coordinates with working group members to establish sub-teams.
- Reviews, revises and vets material as appropriate.

NTWG Members responsibilities include:

- Researching and analyzing data to inform working group members of technologies and support developing recommendations.
- Preparing a Technology Analysis Report for each of the technologies reviewed by the working group and revise as needed.
- Maintaining familiarity with new technology safety standards and functionality reviews.
- Providing informational briefings at division and office meetings, as appropriate.

## **MEMBERSHIP AND MEETINGS**

The members of the NTWG are appointed by DPCP management, DSO management, DPR management, and Regional branch chiefs. The NTWG should meet on a monthly basis, as needed. A quorum is not necessary for the NTWG to meet to discuss new technology issues.

## **TIME PERIOD OF ACTIVITY**

The general timeframe/expectations for completing each individual Technology Analysis Report will be the responsibility of the NTWG champions, as determined by the complexity of the assignment. At a minimum, there will be an annual review of each Technology Analysis Report to maintain the timeliness and relevance of the report's content.

**SUBJECT: CHARTER FOR NSIR'S NEW TECHNOLOGIES WORKING GROUP; DATED:**  
February 10, 2020

**ADAMS Accession Number: Package: ML19121A441 -- Charter: ML182250A181:**

<b>OFFICE</b>	NSIR/DPCP/RSB	NSIR/DPCP/CSB	NSIR/DPR
<b>NAME</b>	JPetrucelli	KLawson-Jenkins	CJohnson
<b>DATE</b>	1/28/20	1/30/20	1/30/20
<b>OFFICE</b>	NSIR/DPCP	NSIR/DSO	NSIR/DPCP
<b>NAME</b>	BThomas	SAtack	Shelton (BThomas for)
<b>DATE</b>	2/10/20	1/27/20	2/10/20

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