NUCLEAR SECURITY DETECTION ARCHITECTURE – WORKSHOP # 1

Dates 12-16 September 2016
Venue RACVIAC, Rakitije, Stari hrast 53, 10437 Bestovje, Croatia

Background Countering weapons of mass destruction encompasses a wide variety of issues amongst which lies the unavoidable question of nuclear security. The C-WMD Network is launching a series of five (5) workshops promoting nuclear security detection architecture principles and concepts to raise awareness and provide partner nations with the knowledge and tools to develop, implement, and sustain indigenous national-level detection capabilities.

International organizations, such as the International Atomic Energy Agency (IAEA) and the Global Initiative to Combat Nuclear Terrorism (GINCT), highlight the importance of implementing security measures to counter the radiological and nuclear threat. As such, they have published guidance documents to promote best practices and serve as the foundation for the development of national-level nuclear security detection architectures, to include:

- “Model Guidelines Document for Nuclear Detection Architectures” (GINCT)
- “Nuclear Security Systems and Measures for the Detection of Nuclear and Other Radioactive Materials out of Regulatory Control” (IAEA, NSS # 21).

The United States Department of Homeland Security, Domestic Nuclear Detection Office (DHS/DNDO) and the United States European Command (USEUCOM) have developed a collaborative approach for engaging with international partners in combatting nuclear terrorism. They have developed a five (5) workshop series based on the principles in IAEA guidance documents that goes beyond awareness to assist partner nations to institutionalize radiological and nuclear detection concepts within their existing security infrastructure. At the conclusion of the workshop series, partners will be able to apply foundational NSDA concepts; identify nuclear security risks; develop strategic goals and objectives to address nuclear security risks; identify and prioritize systems and measures to mitigate risks; develop plans for implementing nuclear detection measures and evaluate nuclear security systems.
The **C-WMD Network** welcomes the support USEUCOM, DHS/DNDO and the Republic of Croatia in the planning and execution of the first NSDA Workshop.

**Purpose**

The purpose of this first Workshop is to raise awareness of NSDA principles, terms, and concepts to establish a foundation for nuclear security coordination and NSDA development.

**Objectives**

To build nuclear security detection architecture awareness and enable partners to begin the process of strategy development, including identifying competent authorities, establishing a coordinating mechanism, and conducting a national inventory of detection capabilities.

**Participants**

Approximately fifty-five (55) participants, namely one (1) participant from the previously identified national drafting team of the countries participating in the process of C-WMD Strategy Development, and up to four (4) senior level personnel for national policy from diverse competent authorities, such as Ministry of Defence, Ministry of Interior, customs, law enforcement, border guard, and nuclear regulatory authorities.

*To the extent practicable, it is suggested that participants identified attend the duration of the workshop series to maintain an element of continuity, as the content discussed is intended to build upon the concepts presented at previous workshop iterations.*

Participants should be familiar with national plans, strategies, and/or procedures for the detection and interdiction of, and response to, a nuclear security event.

Participants should have English language proficiency.

**Methodology**

The Workshop is planned to last five (5) working days and will consist of lectures, table top exercises, and the use of various tools and templates to facilitate practical application of the concepts discussed.

It is recommended participants familiarize themselves with IAEA Nuclear Security Series No. 15 “Nuclear Security Recommendations on Nuclear and Other Radioactive Material out of Regulatory Control”, as well as IAEA Nuclear Security Series No. 21 “Nuclear Security Systems and Measures for the Detection of Nuclear and Other Radioactive Material out of Regulatory Control”.

**PoC**

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