

Nuclear Security Summit 2016

Statement on National Nuclear Detection Architectures

Introduction

This gift basket records the intent of Finland, Argentina, Armenia, Australia, Canada, Czech Republic, France, Georgia, Hungary, Indonesia, Israel, Japan, Kazakhstan, Republic of Korea, Morocco, Mexico, Norway, Philippines, Singapore, Spain, United Kingdom, United States, Vietnam and INTERPOL to demonstrate their commitment to develop national-level nuclear detection architectures and strengthen regional efforts as an effective capability in combating illicit trafficking and malevolent use of nuclear and other radioactive materials. An integral part of this commitment is international cooperation to promote key architecture elements and principles as well as to address common challenges and mitigation strategies.

The International Atomic Energy Agency (IAEA) has a central role in nuclear security worldwide, including in the field of nuclear detection and cooperation. Other international fora support international cooperation on nuclear detection, most notably, the Global Initiative to Combat Nuclear Terrorism (GICNT). Similarly, the Global Partnership against the spread of weapons and materials of mass destruction assists in providing practical assistance on nuclear and radiological security, upon state's requests, and so supports the work of the IAEA.

IAEA

Through its Nuclear Security Programme, the IAEA supports States in their efforts to establish, maintain and sustain an effective nuclear security detection architecture. The IAEA has adopted a comprehensive approach to nuclear security and has elaborated guidance of major importance¹. These publications aim at advocating the development and improvement of a nuclear security detection architecture that integrates comprehensive detection capabilities and measures and associated resources to improve a nation's ability to detect nuclear and radiological threats.

GICNT

Nuclear detection is a core nuclear security objective for the GICNT. GICNT activities bring critical added value to nuclear detection work through identifying cross-cutting issues, suggesting new solutions and promoting inter-disciplinary and inter-agency cooperation.

Good practices related to nuclear detection are shared, collected and developed under the auspices of the GICNT. They can contribute to producing, assessing and updating IAEA publications. Frequent scenario-based discussions, table-top exercises and field exercises of the GICNT enhance expertise and skills of members of the global nuclear security community.

Commitments

¹ As a critical part of this approach, the IAEA published *Nuclear Security Series No. 21; Implementing Guide on Nuclear Security Systems and Measures for the Detection of Nuclear and other Radioactive Material out of Regulatory Control*.

On the occasion of the 2016 Washington Nuclear Security Summit, we the parties to this Statement reaffirm our commitment to improving further our national detection architectures with the goal to combat illicit trafficking and to prevent malicious acts.

We commit ourselves to efficient use of available nuclear detection resources as well as to avoiding duplication of work between IAEA, GICNT and other relevant bodies.

We further reaffirm our commitment to the IAEA's recommendations, giving particular attention to the following principles:

- An effective nuclear security detection architecture should be derived from a comprehensive, integrated detection strategy prepared by the State;
- The national nuclear security detection architecture should take into consideration that individual organizations' roles in the field of detection are unambiguously clear;
- Nuclear security culture is an effective tool that can strengthen the efficiency of the nuclear security detection systems;
- Implementation should account for and integrate border and interior detection capabilities.

We reaffirm, also, our determination to maintain our contributions to the development of the IAEA's guidance document in the field of detection.

To promote and improve international awareness and understanding of the importance of a national-level nuclear detection architecture, we also advocate and support the work of the IAEA's periodic review workshops during which participating nations can share good practices and lessons learned and discuss challenges, mitigation strategies, and long-term sustainability approaches. The IAEA will conduct the first such workshop in Seam Reap, Cambodia in April 2016.

GICNT Partners joining to this Statement reaffirm their commitment to actively participate and contribute to nuclear detection work that takes place in the Global Initiative.