IAEA
International Atomic Energy Agency

Regional Webinar for ASEAN Countries on Nuclear Security Detection Architecture: Planning, Implementing and Evaluating Detection Operations

Organized by the

IAEA Division of Nuclear Security

Thursday, 2 September 2021

Scheduled at: 09:00, Vienna (Austria) Time

Duration: 2 hours

Information Sheet

Introduction

The threat related to criminal or intentional unauthorized acts involving nuclear or other radioactive material out of regulatory control has long been a matter of national and international concern and cooperation. A State's Nuclear Security Detection Architecture (NSDA) is the integrated set of nuclear security systems and measures, based on an appropriate legal and regulatory framework, needed to implement a national strategy for the detection of nuclear and other radioactive material out of regulatory control (MORC).

Detection operations aim to eliminate or mitigate the risks from MORC, and effective planning, implementation and evaluation is key to ensure the success and sustainability of these operations.

This webinar focuses on key elements regarding the planning, implementation and evaluation of detection operations for MORC.

For context and further information about NSDA, participants are encouraged to watch the previous Regional Webinar for ASEAN Countries, which took place on 14 July 2021 and covered the topic "Nuclear Security Detection Architecture: Strategy, Design and Planning". The recording can be accessed here.

Objectives

The objective of this webinar is to:
- Provide an overview of the fundamental elements of NSDA
- Raise awareness of the guidance included in the IAEA Nuclear Security Series regarding planning, implementing and evaluating detection operations within a State or at its borders
- Highlight the challenges related to planning, design and implementation of detection operations
- Give an overview of the key elements for detection operation sustainability

Target Audience

This webinar is aimed at organizational level personnel with responsibility for planning, implementing or evaluating detection operations involving MORC in ASEAN countries, including:

- Border police or customs officers who intend to detect radiation at the sites under their responsibility
- Law enforcement personnel who intend to procure radiation detection equipment
- National competent authorities who support detection operations within a State or at its borders, such as nuclear regulators, technical expert support, or intelligence services.

Working Language(s)

English

Registration

Please register for the webinar using this link not later than **2 September 2021.**

After the registration and acceptance of your participation, you will receive an electronic mail containing information on how to access the webinar by following a hyperlink to join the WebEx meeting or by calling in by phone.

You can test your ability to connect to a WebEx meeting at the following link: https://www.webex.com/test-meeting.html#. Please contact your IT department if the test fails.

For additional help regarding registration, please contact Mr Matthew Tremonte, Division of Nuclear Security (M.Tremonte@iaea.org).

Webinar Programme

Opening Remarks

> Ms Elena Buglova, *Director, Division of Nuclear Security, IAEA*

Fundamental elements of Nuclear Security Detection Architecture (NSDA)

> Mr Thierry Pelletier, *Unit Head, Nuclear Security Detection Architecture Unit, Nuclear Security of Materials Outside Regulatory Control Section, Division of Nuclear Security, IAEA*

Challenges to planning, designing and implementing detection operations

> Ms Monalija Kostor, *Director of Division for Radiation Control and Supervision, Atomic Energy Licensing Board (AELB), Malaysia*

> *Mr Nurman Rahmadi, Radiation Officer, Directorate of Technical Support and Nuclear Emergency Preparedness, Nuclear Energy Regulatory Agency (BAPETEN), Indonesia*

Key elements for detection operation sustainability

> Ms Sabrina Ragaller, *Office of Nuclear Smuggling Detection and Deterrence (DOE/NSDD), Department of Energy, United States of America*

Q&A and Conclusions