



Regional Webinar on Nuclear Security Detection Architecture: Planning, Implementing and Evaluating Detection Operations for French-speaking African States

**Organized by the
IAEA Division of Nuclear Security**

Tuesday, 29 March 2022

Scheduled at: 11:00, Vienna (Austria) Time

Duration: 2 hours

Information Sheet

Introduction

Nuclear security focuses on the prevention and detection of, and response to, criminal and intentional unauthorized acts involving or directed at nuclear material, other radioactive material, associated facilities, or associated activities.

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 cooperation. A State's Nuclear Security Detection Architecture¹ (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 \(MORC\)](#).

This webinar focuses on key elements regarding the planning, implementation and evaluation of detection operations that aim to eliminate or mitigate the risks from MORC. Effective planning, implementation and evaluation are of key importance to ensure the success and sustainability of these operations.

Objectives

The webinar will provide an overview of the fundamental elements of NSDA with the objective to:

- 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;
- present 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 French-speaking African states, 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 and French.

¹ For context and further information about NSDA you can watch [the recording of the previous Regional Webinar](#) for French-Speaking African States, which took place on 8 December 2021 and covered the topic "Nuclear Security Detection Architecture: Strategy, Design and Planning".

Registration

Please register for the webinar using [this link](#) not later than **28 March 2022**.

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

Mr Daming Liu, *Section Head, Nuclear Security of Materials outside of Regulatory Control Section, Division of Nuclear Security, IAEA*

Fundamental Elements of Nuclear Security Detection Architecture

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

A Perspective from Mauritania

Mr Deida Ahmed Bezeid, *Advisor, Executive Secretary of National Authority for Radiation Protection, Nuclear Safety and Security, Mauritania*

A Perspective from Botswana

Ms Gokatweng Disho, *Chief Radiation Protection Officer, Radiation Protection Inspectorate, Botswana*

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