



IAEA

International Atomic Energy Agency
Atoms for Peace and Development

Webinar on Enhancing Nuclear Security through Science & Technology

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

Tuesday, 15 November 2022

**Time: 10:00-12:00, Vienna (Austria) Time
(English)**

&

Wednesday, 16 November 2022

**Time: 15:00-17:00, Vienna (Austria) Time
(English and Spanish)**

Duration: 2 hours

Information Sheet

Introduction

The [Nuclear Security Plan 2022-2025](#) states that “the Agency will continue to keep abreast of scientific, technological, and engineering innovations, such as through dialogues with Member States (MS) and, as appropriate, with nuclear industry, with a view to confronting current and evolving challenges and risks to nuclear security and as new developments can present opportunities to enhance nuclear security.” Accordingly, the IAEA works with Member States to enhance their ability to effectively, efficiently, and sustainably conduct nuclear security activities through the use of science and technology. This is achieved through [coordinated research projects](#), technical meetings, development of software and hardware tools, and IAEA guidance documents and technical reports.

This webinar will present four tools developed to address Member States’ needs: the Mobile-Integrated Nuclear Security Network (M-INSN), the Minimum Detectable Quantity and Alarm Threshold Evaluation Tool (MDQ-ATET), the Personnel Alarm Assessment Tool (PAAT), and the [Tool for Radiation Alarm and Commodity Evaluation \(TRACE\)](#) phone and desktop applications.

The programme will be similar for Day 1 and Day 2, with Day 2 offering simultaneous interpretation in English and Spanish.

Objectives

The objective of this webinar is to provide participants with information regarding the availability and testing of several new tools and technology to enhance the ability to effectively, efficiently, and sustainably conduct nuclear security activities.

Target Audience

This webinar is aimed at expert organizations, policy makers, and front-line organizations involved in the specification, procurement, and use of radiation detectors for nuclear security.

Working Language(s)

Tuesday, 15 November 2022: English

Wednesday, 16 November 2022: English with Spanish interpretation available

Registration

Please register for the webinar using this [link](#) not later than **14 November 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 calling in by phone.

For additional help regarding registration, please contact Ms Piyawan KRISANANGKURA, Division of Nuclear Security (DST@iaea.org) and Ms Yumiko EVERTON (Y.Everton@iaea.org), Division of Nuclear Security.

The webinar will be recorded and made available for viewing after the event at the IAEA e-learning platform: [IAEA LMS - Nuclear Security Detection Sciences and Technology Webinars](#)

Webinar Programme

Introduction

Mr Charles Massey, *Senior Nuclear Security Officer, Nuclear Security of Materials Outside Regulatory Control Section, Division of Nuclear Security, IAEA*

Personnel Alarm Assessment Tool (PAAT)

Ms Piyawan Krisanangkura, *Nuclear Security Officer (Spectroscopic), Nuclear Security of Materials Outside Regulatory Control Section, Division of Nuclear Security, IAEA*

Mobile-Integrated Nuclear Security Network (M-INSN)

Ms Kelly Jenkins, *Nuclear Security Officer (Instrumentation and Networks), Nuclear Security of Materials Outside Regulatory Control Section, Division of Nuclear Security, IAEA*

M-INSN Experience: Perspectives from Costa Rica

Mr Pedro Arias, *Special Intervention Unit of the Ministry of the Presidency, Republic of Costa Rica*

Mr Ivan Chaves Gutierrez, *Special Intervention Unit of the Ministry of the Presidency, Republic of Costa Rica*

Break

Tool for Radiation Alarm and Commodity Evaluation (TRACE)

Mr Giang Nguyen, *Nuclear Security Officer (Algorithms and Reliability), Nuclear Security of Materials Outside Regulatory Control Section, Division of Nuclear Security, IAEA*

TRACE (Mobile App) Experience: Perspectives from Sri Lanka

Ms Nirasha Rathnaweera, *Scientific Officer, Sri Lanka Atomic Energy Board, and*

Mr Indunil Liyanage, *Customs Officer, Sri Lanka Customs*

Minimum Detectable Quantity and Alarm Threshold Evaluation Tool (MDQ-ATET)

Mr Giang Nguyen, *Nuclear Security Officer (Algorithms and Reliability), Nuclear Security of Materials Outside Regulatory Control Section, Division of Nuclear Security, IAEA*

MDQ-ATET and TRACE (Desktop version) Experience: Perspectives from Thailand

Mr Chonlagarn Iamsumang, *Nuclear and Radiation Licensing Division, Office of Atoms for Peace, Thailand*

Feedback - Questions and Answers

Concluding Remarks