



# **Webinar on a New Nuclear Forensics Publication: IAEA-TECDOC-2019**

*Webinar Series on Nuclear Forensics in Global Nuclear Security*

**Organized by**

**The IAEA Division of Nuclear Security**

**18 July 2023**

**Time:**

**08:00 – 09:00, Vienna (Austria) Time**

**16:00 – 17:00 Vienna (Austria) Time**

**Duration: 1 hour**

**Information Sheet**

# Introduction

Nuclear forensics is the examination of nuclear or other radioactive material, or of evidence that is contaminated with radionuclides, in the context of legal proceedings under international or national law related to nuclear security. Nuclear forensics supports national nuclear security measures and criminal investigations by providing information on the identity, origin and history of nuclear or other radioactive material found outside of regulatory control. A nuclear forensic examination uses analytical techniques to generate data in the context of a criminal investigation. A nuclear forensic capability can enhance national nuclear security programmes and can support the enforcement of a State's laws that prohibit the possession and use of nuclear or other radioactive material out of regulatory control.

The IAEA Nuclear Security Series (NSS) No. 2-G (Rev. 1), [Nuclear Forensics in Support of Investigations](#), provides guidance on the role of nuclear forensics in the context of investigating various types of criminal or other unauthorized act involving nuclear or other radioactive material. Based on the 2-G (Rev. 1) guidance, the IAEA recently published a new Technical Document titled [“Establishing a Nuclear Forensic Capability: Application of Analytical Techniques”](#) (IAEA-TECDOC-2019).

The IAEA-TECDOC-2019 is intended for technical and non-technical personnel responsible for developing and implementing nuclear forensic analytical capabilities within the context of a broader national nuclear forensic programme stemming from national legislation.

This webinar, as the first in the Webinar Series on Nuclear Forensics in Global Nuclear Security, will offer an introduction to IAEA-TECDOC-2019. The other webinars in the series will feature:

**The First 24 Hours of a Nuclear Forensic Examination**, September 2023

**The First Week of a Nuclear Forensic Examination**, November 2023

**The First Two Months of a Nuclear Forensic Examination**, January 2024

## Objectives

The objectives of the webinar are:

- To raise awareness on the new IAEA publication IAEA-TECDOC-2019.
- To highlight the IAEA's support for and to share States' experience with establishing a nuclear forensic capability in support of nuclear security.

## Target Audience

This webinar is targeted to Member States' nuclear security community including those working on the technical aspects of establishing and operating a national nuclear forensic capability in support of investigations of nuclear and other radioactive material out of regulatory control, as well as associated non-technical stakeholders, including but not limited to: law enforcement; prosecutors; laboratory managers; regulators; nuclear security professionals. The webinar is open

to officials and nuclear security professionals from the above-mentioned organizations in Member States.

## **Working Language(s)**

English

## **Registration**

Please register for the webinar using [this link](#) not later than **17 July 2023**.

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 Gary Eppich, Division of Nuclear Security (Email: [G.Eppich@iaea.org](mailto:G.Eppich@iaea.org)).

## **Webinar Agenda**

### **Opening Remarks/Introduction of IAEA-TECDOC-2019**

*Ms Eva Szeles, Crime Scene Management and Nuclear Forensics Unit Head, Division of Nuclear Security, IAEA*

### **The Origin and History of IAEA-TECDOC-2019**

*Mr David K. Smith, Scientific Affiliate, Lawrence Livermore National Laboratory*

### **Objectives, Uses and Technical Contents of IAEA-TECDOC-2019**

*Mr Gary Eppich, Nuclear Security Officer (Forensics), Division of Nuclear Security, IAEA*

### **Introducing the IAEA Webinar Series on Nuclear Forensics**

*Ms Chelsea Willett, Associate Nuclear Security Officer, Division of Nuclear Security, IAEA*

### **Q&A and Conclusion**