



Department of Nuclear Safety and Security | Division of Nuclear Security
Nuclear Security of Materials outside of Regulatory Control Section

WEBINAR ON OVERVIEW OF OPERATION AND MAINTENANCE OF HANDHELD EQUIPMENT USED IN NUCLEAR SECURITY DETECTION ARCHITECTURE

29 July 2020, 14:00 – 16:00 (UTC+02:00)

Organized by

The IAEA Division of Nuclear Security

Background:	IAEA Nuclear Security Series Implementing Guide (NSS 21) on Nuclear Security Systems and Measures for the Detection of Nuclear and Other Radioactive Material out of Regulatory Control (MORC) was published in 2013. This guidance recommends criminal or unauthorized acts involving MORC may be detected by technical and/or by other means of detection. Usually, passive and active detection technologies are being used, but both have fundamentally different approaches. Passive detection instruments directly measure normal emissions of radiation from nuclear or other radioactive material, while active detection systems aim to detect nuclear or other radioactive material indirectly by detecting something else that may indicate its presence. Compared to active detection instruments, passive detection instruments are generally less expensive, and present no additional hazard to personnel. Owing to their comparatively low costs and distinct capability, passive handheld detection instruments are common tools for the detection of MORC. Passive handheld detection instruments are available in several types to meet a wide array of operational needs.
Objectives:	The purpose of the Webinar is to raise awareness with the type of passive handheld detection instruments that may be used in the detection of MORC.
Target audience:	The Webinar is designed for professionals from Member States, with a basic knowledge of the operation of handheld passive detection instrument and responsibilities of detecting material outside of regulatory control.

Working language:

English

Registration :

Please register for the webinar using this link

<https://iaea.webex.com/iaea/onstage/g.php?MTID=ecfb44737d686f06796fd0811a1187e52>

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Agenda:

1. Opening and logistics
Mr. Thierry Pelletier, IAEA
2. Introduction of Passive Detection Instrument
Mr. M. Irwan Effendi, IAEA
3. Operation and Maintenance of Personal Radiation Detector (PRD)
Mr. Brian J. Tucker, NSDD
4. Operation and Maintenance of Radionuclide Identification Device (RID)
Mr. Brian J. Tucker, NSDD
5. Operation and Maintenance of Backpack Radiation Detector (BRD)
Mr. Imran A. Khan, IAEA
6. Q&A Session