Joint ICTP-IAEA International School on Nuclear Security

Trieste, Italy
13 – 23 April 2026
Draft Agenda

Monday, 13 April 2026		
Time (CET)	**Topic**	**Speaker/Facilitator**
08:30 – 09:15	Registration and administrative procedures	Ms Viktoriya Lvova, ICTP
09:15 – 09:30	Opening Remarks	Mr Ralf Kaiser, Head of Programmes, ICTP Mr Rodney Busquim E Silva, Section Head, Division of Nuclear Security, IAEA
09:30 – 10:00	Introductions of the participants	Mr Shintaro ITO, IAEA
10:00 – 10:15	Overview of the School Agenda	Mr Shintaro ITO, IAEA
10:15 – 10:30	Pre-test	Mr Shintaro ITO, IAEA
10:30 – 11:00	*Coffee break and Group Photo*	
11:00 – 11:30	Introduction to IAEA	Mr Shintaro ITO, IAEA
11:30 – 12:30	Nuclear Security Overview and Essential Elements	Mr Shintaro ITO, IAEA
12:30 – 13:30	*Lunch break*	
13:30 – 14:30	The International Legal Framework for Nuclear Security	Mr Jonathan Herbach, Office of Legal Affairs, IAEA
14:30 – 15:15	Developing Nuclear Legislation for Nuclear Security	Mr Jonathan Herbach, Office of Legal Affairs, IAEA
15:15 – 15:45	Summary of the day	Mr Shintaro ITO, IAEA

Tuesday, 14 April 2026		
09:00 – 09:45	Threat Assessment (TA) and Design Basis Threat (DBT)	Mr Anno Keizer, URENCO, Kingdom of the Netherlands
09:45 – 10:00	Exercise on TA and DBT	Mr Anno Keizer, URENCO, Kingdom of the Netherlands
10:00 – 10:30	Physical Protection of Nuclear Material and Nuclear Facilities (NSS No.13 (INFCIRC/225/Revision 5))	Mr Anno Keizer, URENCO, Kingdom of the Netherlands
10:30 – 11:00	*Coffee break and Networking*	
11:00 – 11:15	Physical Protection of Nuclear Material and Nuclear Facilities (NSS No.13 (INFCIRC/225/Revision 5))…*continue*	Mr Anno Keizer, URENCO
11:15 – 12:00	Nuclear Material Accounting and Control (NMAC) and the Threat Posed by the Insider	Ms Angela Lousteau, Senior Nuclear Security Officer, IAEA
12:00 – 12:30	Introduction to Nuclear Material Accounting and Control (NMAC)	Ms Angela Lousteau, Senior Nuclear Security Officer, IAEA
12:30 – 13:30	*Lunch break*	
13:30 – 13:45	Introduction to Nuclear Material Accounting and Control (NMAC)	Ms Angela Lousteau, Senior Nuclear Security Officer, IAEA
13:45 – 14:00	Exercise: Introduction to NMAC	Ms Angela Lousteau, Senior Nuclear Security Officer, IAEA
14:00 – 14:45	Introduction to Physical Protection System, Design, Development and Evaluation	Mr Anno Keizer, URENCO
14:45 – 15:30	Defining the Requirements for Physical Protection: Facility Characterization and Target Identification	Mr Anno Keizer, URENCO
15:30 – 16:00	*Coffee break and Networking*	
16:00 – 16:30	Exercise: Defining the Requirements for Physical Protection	Mr Anno Keizer, URENCO
16:30 – 17:00	Summary of the day	Mr Shintaro ITO, IAEA
19:00 – 20:30	Reception	

Wednesday, 15 April 2026		
09:00 – 09:45	Nuclear Material Accounting	Ms Angela Lousteau, Senior Nuclear Security Officer, IAEA
09:45 – 10:30	Nuclear Material Control	Ms Angela Lousteau, Senior Nuclear Security Officer, IAEA
10:30 – 11:00	*Coffee break and Networking*	
11:00 – 11:45	Questions & Answers	Ms Angela Lousteau, Senior Nuclear Security Officer, IAEA
11:45 – 12:30	Physical Protection System Design: Detection, Delay and Response	Mr Anno Keizer, URENCO
12:30 – 13:30	*Lunch break*	
13:30 – 14:30	Exercise: Physical Protection System (PPS) Design	Mr Anno Keizer, URENCO
14:30 – 15:00	Exercise: Insider Threat Mitigation Measures Hypothetical Facility: Shapash Nuclear Research Institute (SNRI)	Ms Angela Lousteau, Senior Nuclear Security Officer, IAEA
15:00 – 15:30	*Coffee break and Networking*	
15:30 – 16:30	Exercise: Insider Threat Mitigation Measures Hypothetical Facility: Shapash Nuclear Research Institute (SNRI) …continue	Ms Angela Lousteau, Senior Nuclear Security Officer, IAEA
16:30– 17:00	Summary of the day	Mr Shintaro ITO, IAEA
Thursday, 16 April 2026		
09:00 – 09:45	Overview of Detection Equipment	Mr Anno Keizer, URENCO
09:45 – 10:30	Radiation Portal Monitors (RPMs): Border Detection and the IAEA S&T Activities	Mr Anno Keizer, URENCO
10:30 – 11:00	*Coffee break and Networking*	
11:00 – 11:45	Front Line Officer Actions Following Detection	Mr Anno Keizer, URENCO
11:45 – 12:30	Nuclear Security Culture: Concept and Definition	Ms Alpana Goel, Amity University, India

12:30 – 13:30	*Lunch break*	
13:30 – 14:30	Exercise: To Identify Nuclear Security Culture Characteristics and Indicators	Ms Alpana Goel, Amity University, India
14:30 – 15:00	Security of Nuclear Sensitive Information	Ms Veronica Ventrini, National Atomic Energy Commission (CNEA), Argentina
15:00 – 15:30	*Coffee break and Networking*	
15:30 – 16:30	Information and Computer Security	Ms Veronica Ventrini, National Atomic Energy Commission (CNEA), Argentina
16:30 – 17:00	Summary of the day	Mr Shintaro ITO, IAEA
Friday, 17 April 2026		
09:00 – 10:30	Practical Exercise: Hands-on Use of Various Detectors	Mr Anno Keizer, URENCO & Mr Giovanni Magrotti, JRC/EC
10:30 – 11:00	*Coffee break and Networking*	
11:00 – 12:30	Practical Exercise: Hands-on Use of Various Detectors (continued)	Mr Anno Keizer, URENCO & Mr Giovanni Magrotti, JRC/EC
12:30 – 13:30	*Lunch break*	
13:30 – 14:15	Nuclear Security Culture: Self-Assessment	Ms Alpana Goel, Amity University, India
14:15 – 15:00	Nuclear Security Culture: Enhancement	Ms Alpana Goel, Amity University, India
15:00 – 15:30	*Coffee break and Networking*	
15:30 – 16:00	Exercise on Information and Computer Security	Ms Veronica Ventrini, National Atomic Energy Commission (CNEA), Argentina
16:00 – 16:30	Women in Nuclear Security Initiative (WINSI) event: Empowering Women in Nuclear Security: A Cross-Cultural Exchange - Sharing Experiences and Insights from Diverse Women Leaders Across Regions and Backgrounds	Ms Veronica Ventrini, National Atomic Energy Commission, Argentina Ms Alpana Goel, Amity University, India

16:30 – 17:00	Summary of the day	Mr Shintaro ITO, IAEA
Saturday, 18 April 2026		
09:00 – 16:00	Technical Visit to Slovenia Port	Mr Nevijo Lakoseljac & Matjaž Andrijašič, Port of Koper, Republic of Slovenia Mr Janez Češarek, SNSA, Republic of Slovenia Mr Shintaro Ito, IAEA
Monday, 20 April 2026		
09:00 – 09:45	Introduction to the Security of Radioactive Material and Associated Facilities	Ms Tunde Katona, Hungarian Atomic Energy Authority, Hungary
09:45 – 10:30	Overview of Nuclear Security for Nuclear and other Radioactive Material out of Regulatory Control	Mr Salaheddin Malkawi, JUST
10:30 – 11:00	*Coffee break and Networking*	
11:00 – 12:30	The Incident and Trafficking Database (ITDB) Programme	Mr Janez Češarek, SNSA, Republic of Slovenia
12:30 – 13:30	*Lunch break*	
13:30 – 14:30	Nuclear Security Regime for Radioactive Material and Associated Facilities	Ms Tunde Katona, Hungarian Atomic Energy Authority, Hungary
14:30 – 15:00	Threat Assessment and Risk Informed Approach for Nuclear and other Radioactive Material out of Regulatory Control	Mr Salaheddin Malkawi, JUST
15:00 – 15:30	*Coffee break and Networking*	
15:30 – 16:00	Security Measures for Radioactive Material in Use and Storage	Ms Tunde Katona, Hungarian Atomic Energy Authority, Hungary
16:00 – 16:30	Nuclear Security Detection Architecture for Nuclear and Other Radioactive Materials out of Regulatory Control	Mr Salaheddin Malkawi, JUST
16:30 – 17:00	Summary of the day	Ms Muzna Assi, IAEA

Tuesday, 21 April 2026		
09:00 – 10:00	Nuclear Security Systems and Measures for Major Public Events	Mr Abdulmohsen N. Abanumy, NRRC
10:00 – 10:30	Exercise: Categorization of Radioactive Sources	Ms Tunde Katona, Hungarian Atomic Energy Authority, Hungary
10:30 – 11:00	*Coffee break and Networking*	
11:00 – 12:30	A National Framework for Managing the Response to Criminal or Intentional Unauthorized Acts involving Nuclear and other Radioactive Material Out of Regulatory Control: An Overview	Mr Salaheddin Malkawi, JUST
12:30 – 13:30	*Lunch break*	
13:30 – 14:30	Transport Safety and Security Interfaces	Ms Tunde Katona, Hungarian Atomic Energy Authority, Hungary
14:30 – 15:00	Transport Security of Nuclear and other Radioactive Material	Ms Tunde Katona, Hungarian Atomic Energy Authority, Hungary
15:00 – 15:30	*Coffee break and Networking*	
15:30 – 16:30	Exercise: Transport Security	Ms Tunde Katona, Hungarian Atomic Energy Authority, Hungary
16:30 – 17:00	Summary of the day	Ms Muzna Assi, IAEA
Wednesday, 22 April 2026		
09:00 – 10:30	Nuclear Security Group Exercises (Discussion)	Mr Abdulmohsen N. Abanumy, NRRC Mr Salaheddin Malkawi, JUST
10:30 – 11:00	*Coffee break and Networking*	
11:00 – 12:30	Nuclear Security Group Exercises (Reports)	Mr Abdulmohsen N. Abanumy, NRRC Mr Salaheddin Malkawi, JUST
12:30 – 13:30	Lunch break	
13:30 – 14:30	Nuclear Forensics: Scope and Application	Mr Salaheddin Malkawi, JUST
14:30 – 15:00	Nuclear Forensics: Model Action Plan	Mr Salaheddin Malkawi, JUST
15:00 – 15:30	*Coffee break and Networking*	

15:30 – 16:00	Nuclear Forensics as an Element of a National Nuclear Security Infrastructure	Mr Salaheddin Malkawi, JUST
16:00 – 16:30	Questions & Answers	Mr Salaheddin Malkawi, JUST
16:30 – 17:00	Summary of the day	Ms Muzna Assi, IAEA
Thursday, 23 April 2026		
09:00 – 10:30	Case Study: An Investigation of Highly-Enriched Uranium out of Regulatory Control	Mr Salaheddin Malkawi, JUST
10:30 – 11:00	*Coffee break and Networking*	
11:00 – 12:30	Case Study: An Investigation of Highly-Enriched Uranium out of Regulatory Control (continued)	Mr Salaheddin Malkawi, JUST
12:30 – 13:30	*Lunch break*	
13:30 – 14:00	Post-Test	Ms Muzna Assi, IAEA
14:00 – 15:00	Participants Feedback Survey	Ms Muzna Assi, IAEA
15:00 – 15:30	Closing Remarks and Certificates Award	Ms Muzna Assi, IAEA Mr Sandro Scandolo, Local Director, ICTP

Abbreviations

IAEA: International Atomic Energy Agency, Austria

NSNS: Division of Nuclear Security, IAEA

OLA: Office of Legal Affairs, IAEA

ICTP: International Centre for Theoretical Physics, Italy

JRC-EC: Joint Research Centre – European Commission, Italy

JUST: Jordan University of Science & Technology, Jordan

SNSA: Slovenian Nuclear Safety Administration, Slovenia