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Joint ICTP-IAEA School on Nuclear Security | (smr 2854)

Monday 11 April 2016

- Adriatico Guest House - Kastler Lecture Hall (08:30-19:00)

time	title	presenter
08:30	Registration	
09:00	Administrative formalities	
10:30	Opening and Overview of School Curriculum	FERNANDO QUEVEDO DMITRIY NIKONOV, IAEA-NSNS
11:00	Introductions of the participants	
11:30	Introduction to IAEA and ICTP	
12:00	LUNCH BREAK	
14:00	Nuclear Applications	CLAUDIO TUNIZ & DMITRIY NIKONOV
15:00	What is Nuclear Security? Interface with Safety and Safeguards	
15:30	Coffee Break	
16:00	Pre-test	
16:30	Questions and summary	
17:00	Group photo	
17:30	Welcome reception	

Tuesday 12 April 2016

- Adriatico Guest House - Kastler Lecture Hall (09:00-17:30)

time	title	presenter
09:00	The International Legal Framework for Nuclear Security	ANTHONY WETHERALL
10:00	Nuclear Security Regime: Objectives and Essential Elements	CHRISTOPHER PRICE
11:00	Coffee Break	
11:30	Threat Definition	CHRISTOPHER PRICE
12:30	LUNCH BREAK	
13:30	Exercise on Threat Assessment	CHRISTOPHER PRICE
14:00	NSS13 Nuclear Security Recommendations and Physical Protection Fundamental Principles	CHRISTOPHER PRICE
14:30	Introduction to Physical Protection System, Design and Evaluation	AXEL HAGEMANN
15:30	Coffee Break	
16:00	Defining Requirements for Physical Protection: Facility Characterization and Target Identification	AXEL HAGEMANN
17:00	Questions and summary	

Wednesday 13 April 2016

- Adriatico Guest House - Kastler Lecture Hall (09:00-18:30)

time	title	presenter
09:00	Exercise: Target Identification	AXEL HAGEMANN
10:00	Design of Physical Protection System – Detection, Delay and Response	AXEL HAGEMANN
11:00	Coffee Break	
11:30	Exercise: Design of Physical Protection System	AXEL HAGEMANN
12:00	Introduction to Nuclear Material Accounting and Control (NMAC) for Nuclear Security Purposes	MARTHA WILLIAMS
12:30	LUNCH BREAK	
13:30	Threats Addressed by NMAC	MARTHA WILLIAMS
14:30	Exercise: Who is an Insider?	MARTHA WILLIAMS
15:00	Nuclear Material Accounting	MARTHA WILLIAMS
16:00	Coffee Break	
16:30	Nuclear Material Control	MARTHA WILLIAMS
17:30	Exercise: NMAC case studies	MARTHA WILLIAMS
18:00	Questions and summary	

Thursday 14 April 2016

- Adriatico Guest House - Kastler Lecture Hall (09:00-18:00)

time	title	presenter
09:00	Security of Nuclear Sensitive Information	ANNO KEIZER
10:00	Computer Security	ANNO KEIZER
11:00	Coffee Break	
11:30	Exercise: Computer Security Applications	ANNO KEIZER
12:30	LUNCH BREAK	
13:30	Nuclear Security Culture: Concept and Definition	IGOR KHRIPUNOV
14:30	Nuclear Security Culture: Assessment	IGOR KHRIPUNOV
15:30	Coffee Break	
16:00	Nuclear Security Culture Assessment Exercise	IGOR KHRIPUNOV
17:00	Nuclear Security Culture: Enhancement	IGOR KHRIPUNOV
17:30	Questions and summary	

Friday 15 April 2016

- Adriatico Guest House - Kastler Lecture Hall (09:00-18:00)

time	title	presenter
09:00	Introduction to the Security of Radioactive Sources	KRISTOF HORVATH
09:30	NSS 14: Nuclear Security Recommendations on Radioactive Material and Associated Facilities	KRISTOF HORVATH
10:00	Security Measures for Radioactive Sources in Use and Storage	KRISTOF HORVATH
11:00	Coffee Break	
11:30	Introduction to the Exercise: Categorization and Security Measures	KRISTOF HORVATH
12:00	Exercise: Categorization and Security Measures	KRISTOF HORVATH
12:30	LUNCH BREAK	
13:30	Transport Safety and the Interface with Security	TREVOR DIXON
14:00	Transport Security of Nuclear and Radioactive Material	TREVOR DIXON
15:00	Coffee Break	
15:30	Exercise: Identify Transport Security Measures	TREVOR DIXON
16:30	Transport Security Plan: Exercise on Applicable Security Level and Measures	TREVOR DIXON
17:30	Questions and summary	

Saturday 16 April 2016

- AGH (Kastler Lecture Hall) (09:30-15:30)

time	title	presenter
09:30	Visit to the Port of Koper (Slovenia)	SNSA OFFICIALS

Monday 18 April 2016

- Adriatico Guest House - Kastler Lecture Hall (09:00-17:30)

time	title	presenter
09:00	Introduction to Material Outside Regulatory Control (MORC)	THIERRY PELLETIER
10:00	Threat and Risk Assessment for MORC	THIERRY PELLETIER
11:00	Coffee Break	
11:30	Detection Architecture for MORC	THIERRY PELLETIER
12:30	LUNCH BREAK	
13:30	Nuclear Forensics: Scope and Application	MARIA WALLENIIUS
14:30	Introduction to the Model Action Plan	MARIA WALLENIIUS
15:00	Nuclear Forensics as a Preventive Tool	MARIA WALLENIIUS
15:30	Coffee Break	
16:00	Case Study and Final Exercise: "An Investigation of Highly Enriched Uranium Out of Regulatory Control"	MARIA WALLENIIUS
17:00	Questions and summary	

Tuesday 19 April 2016

- Adriatico Guest House - Kastler Lecture Hall (09:00-18:00)

time	title	presenter
09:00	Case Study and Final Exercise: "An Investigation of Highly Enriched Uranium Out of Regulatory Control"	MARIA WALLENIOUS
11:00	Coffee Break	
11:30	Case Study and Final Exercise, and Group Presentations	MARIA WALLENIOUS
13:00	LUNCH BREAK	
14:00	Response Plan for Nuclear Security Events	RADEK HLAVACKA
15:00	Radiological Crime Scene Management	RADEK HLAVACKA
16:00	Coffee Break	
16:30	Nuclear Security Framework at Major Public Events	RADEK HLAVACKA
17:30	Questions and summary	

Wednesday 20 April 2016

- Adriatico Guest House - Kastler Lecture Hall (09:00-18:00)

time	title	presenter
09:00	Overview of Types of Detection Instrumentation	PAOLO PEERANI, VITTORIO FORCINA
10:00	Vehicle and People Control and Borders	PAOLO PEERANI, VITTORIO FORCINA
11:00	Coffee Break	
11:30	Front Line Officer Actions Following a Detection - Demonstration of Radiation Detection Instruments	PAOLO PEERANI, VITTORIO FORCINA
12:30	LUNCH BREAK	
13:30	Transfer to Mlab by shuttle bus	
14:00	Practical Group Exercises on Detection	PAOLO PEERANI, VITTORIO FORCINA
17:00	Feedback on the Practical Exercises	PAOLO PEERANI, VITTORIO FORCINA
17:30	Questions and summary	

Thursday 21 April 2016

- AGH (Kastler Lecture Hall) (09:00-17:00)

time	title	presenter
09:00	Case Studies of Radiological Security Incidents	PAOLO PEERANI, VITTORIO FORCINA
10:00	Case Studies of Nuclear Material Smuggling Incidents	PAOLO PEERANI, VITTORIO FORCINA
11:00	Coffee Break	
11:30	Human Resource Development in Nuclear Security	DMITRIY NIKONOV
12:30	LUNCH BREAK	
13:30	ITDB - the IAEA's Information System on Incidents of Illicit Trafficking and Other Unauthorised Events	GIUSEPPE SEDDA
14:30	ITDB Global Analysis	GIUSEPPE SEDDA
15:00	Coffee Break	
15:30	Emergency Management for Nuclear Security Events	MARJAN TKAVC
16:30	Questions and summary	

Friday 22 April 2016

- AGH (Kastler Lecture Hall) (09:00-12:00)

time	title	presenter
09:00	Post-test	DMITRIY NIKONOV
10:00	Questions, summary and feedback survey	DMITRIY NIKONOV & CLAUDIO TUNIZ
10:30	Graduation ceremony and certificates	DMITRIY NIKONOV & CLAUDIO TUNIZ
11:30	Closing remarks	DMITRIY NIKONOV & CLAUDIO TUNIZ