

**IAEA-Argonne International Seminar on
Essential Elements of Nuclear Security**

9 – 20 June 2014

MONDAY 6/09/2014		TUESDAY 6/10/2014		WEDNESDAY 6/11/2014		THURSDAY 6/12/2014		FRIDAY 6/13/2014	
								08:30	VI-1 Radiation Detection Fundamentals (B. Micklich)
09:00	Welcome to Argonne Welcome on Behalf of the IAEA Course Objectives	09:00	I-1 What is Nuclear Security? <i>Nuclear Security Feature – IAEA Video (10mins)</i>	09:00	III-1 Threat Assessment and the Risk Informed approach (R. Evans)	09:00	IV-4 Sustainability of the Nuclear Security Regime (R. Evans)		
09:30	Site Security Briefing Site Health & Safety Briefing (K. Vanderwall & T. Kekelik)	10:15	Break	10:00	III-2 Performing a threat assessment & define a DBT (D. Lambert)	10:00	V-1 Physical Protection of Nuclear Material & Nuclear Facilities (C. Roche)		VI-2 Radiation Detection Systems (B. Micklich)
10:15	Break	10:30	I-2 International Legal Instruments for Nuclear Security (R. Evans)	11:00	Break	11:00	Break	10:30	Break
10:45	Introduction of Participants	11:30	II-1 Nuclear Security Fundamentals: Objective and Essential Elements-Overview (D. Lambert)	11:30	III-3 Vulnerability Assessment (R. Johnston)	11:30	V-2 NMAC and its contribution to Nuclear Security (C. Hall-LLNL)	11:00	VI-3 Monitoring, Detecting & Measurement Equipment (F. Moore)
12:00	LUNCH							12:00	LUNCH
		12:30	LUNCH	12:30	LUNCH	12:15	LUNCH		
13:00	0.1 Initial Exercise – Part I: Organizational Structure			13:30	IV-1 Introduction to Security of Information In Nuclear Security (R. West)	13:15	V-3 Security of Nuclear and Other Radioactive Material During Transport (R. Evans)	13:00	VI-4 Detection Architecture (R. Evans)
		13:30	II-2 Legislative and Regulatory Framework for Nuclear Security (R. Evans)	14:30	IV-2 Introduction to Computer Security in Nuclear Security (R. West)	14:15	V-4 Security of Radioactive Sources (R. Evans)	14:00	VI-5 Incident and Trafficking Database – Purpose and Overview (R. Evans)
15:15	Break	14:45	Break - Group Photo	15:30	Break	15:15	Break	15:00	Break
15:30	Laboratory Tour	15:00	II-3 Facilitated Discussion on roles and responsibilities within the Nuclear Security Regime What is my role in nuclear security?	15:45	IV-3 Introduction to Nuclear Security Culture (R. Evans)	15:30	V-6 Overview of U.S. NRC Security Activities (J. Kutlesa)	15:30	VI-6 Security Concerns for Radioactive Material & Border Security (R. Pappas)
				16:30	V-5 Security and Control of Radioactive Material at Hospitals (R. Wagner)	16:30	V-7 Roundtable discussion with Regulator	16:30	VI-7 Roundtable discussion on Security Concerns for Radioactive Material in Border Security
				18:30	Dinner @ Gordon-Biersch				

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MONDAY 6/16/2014		TUESDAY 6/17/2014		WEDNESDAY 6/18/2014		THURSDAY 6/19/2014		FRIDAY 6/20/2014	
				08:30	VIII-1 TTX Briefing and Getting Ready	08:30	TTX Part 5 Exercise Conduct and debriefing		
9:00	VII-1 Planning, preparedness and response to nuclear security event (D. Lambert)	09:00	VII-7 Emergency Medical Response Planning to Incidents (M. Cichon)	09:00	TTX Part 1 - Conduct and Debriefing	09:30		9:00	Part IX.1 Nuclear Security Plan 2014-2017- Overview (D. Lambert)
10:00	VII-2 Introduction to Radiological Crime Scene Management (C. Riland)	10:00	VII-8 Emergency Medical Response to Nuclear Security Event with Radiological Consequences (C. Patterson)	10:00	TTX Part 2 Exercise Conduct and debriefing	10:30	TTX Part 6 Exercise Conduct and debriefing	10:00	Part IX.2 Focus on Capacity Building for Nuclear Security (D. Lambert)
11:00	Break	10:45	Break					11:30	Part IX.3 Introduction to INSSPs (D. Lambert)
11:30	VII-3 Introduction to Nuclear Forensic in support of investigations into nuclear security events (J. Steebe)	11:00	VII-9 Initial Exercise Part II- Updating Organizational Outline and presentations on what has changed and why from Part I						
		12:00	LUNCH						
12:30	LUNCH			12:30	LUNCH	12:15	Lunch	12:30	LUNCH
13:30	VII-4 Nuclear Security Framework for Major Public Events (D. Lambert)	13:00	VII-10 Initial Exercise Part III – Developing a Response Plan for a Nuclear Security Event	13:30	TTX Part 3 Exercise Conduct and debriefing	13:15	Debriefing and Evaluation	13:30	Seminar Evaluation
14:30	VII-5 ITDB Case Studies (D. Lambert)	14:00	Report back on Part III- Presentations of Response Plans						
15:30	Break	15:00	Break	15:30	TTX Part 4 Exercise Conduct and debriefing	15:15	Group Presentation Session and feedback	14:00	Award of Certificates, Concluding Remarks and End of Seminar
16:00	VII-6 Exercise on Illegal Nuclear Material Discovered by Police	15:30	VII-12 Tour of Argonne Fire Department & detection instruments	16:00		16:00			
						18:00	Closing Dinner @ ALOFT		