

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

1-12 June 2015

MONDAY 6/01/2015		TUESDAY 6/02/2015		WEDNESDAY 6/03/2015		THURSDAY 6/04/2015		FRIDAY 6/05/2015	
09:00	Part 0.1 Welcome to Argonne Welcome on Behalf of the IAEA Course Objectives (Course Staff)	08:30	Part 1.1 What is Nuclear Security? Nuclear Security Feature – IAEA Video (10mins) (R. Evans/IAEA)	08:30	Part 3.1 Understanding Threat Assessment and the Risk Informed Approach (R. Evans/IAEA)	09:00	Part 5.3 Physical Protection of Nuclear Material & Nuclear Facilities (C. Roche/ANL)	09:00	Part 6.1 Radiation Detection Fundamentals & Detection Systems (F. Moore/ANL)
09:30/ 09:45	Part 0.2 & 0.3 Site Security Briefing Site Health & Safety Briefing (K. DeLaurentis & T. Kekelik)	09:30	Break	09:30	Part 3.2 Performing a Threat Assessment & Define a DBT (Melinda Lane/LLNL)	10:00	Part 5.4 NMAC and its contribution to Nuclear Security (C. Roche/ANL)		
10:15	Break	10:00	Part 1.2 International Legal Instruments for Nuclear Security (R. Evans)	10:30	Break	11:00	Break/ Part 5.5 Initial Exercise – Part II – Updating Organizational Outline (Course Staff)	10:00	Break
10:45	Part 0.4 Introduction of Participants (Course Staff)	11:00	Part 1.3 Nuclear Security Fundamentals: Objective and Essential Elements-Overview (R. Evans/IAEA)	11:00	Part 3.3 Vulnerability Assessment (J. Warner/ANL)			10:30	Part 6.2 Detection Architecture (R. Evans/IAEA)
12:00	LUNCH	12:00	LUNCH	12:00	LUNCH	12:30	LUNCH	11:30	LUNCH
13:00	Part 0.5 Initial Exercise – Part I: Organizational Structure (Course Staff)	13:00	Part 2.3 National Presentations (Participants)	13:00	Part 4.1 Introduction to Nuclear Security Culture (R. Evans/IAEA & Course Staff)	13:30	Part 5.6 Security and Control of Radioactive Material at Hospitals (R. Wagner/LUMC)	13:00	Part 6.3 Incident and Trafficking Database – Purpose and Overview (R. Evans/IAEA)
				14:00	Part 4.2 Sustainability of the Nuclear Security Regime (R. Evans/IAEA)	14:30	Part 5.7 Exercise Involving Radiological Materials at Hospital (Course Staff/R. Wagner/LUMC)	14:00	Part 6.4 Security Concerns for Radioactive Material & Border Security (E. Melamed/DOE)
15:15	Break	14:45	Break	15:00	Break			15:00	Break
15:30	Part 0.6 Laboratory Tour	15:00	Part 2.3 National Presentations (Participants)	15:15	Part 5.1 Security of Nuclear and other Radioactive Materials During Transport including Video (R. Evans/IAEA)			15:30	Part 6.5 Roundtable discussion on Security Concerns for Radioactive Material in Border Security (Course Staff and E. Melamed/DOE)
				16:15	Part 5.2 Security of Radioactive Sources (R. Evans/IAEA)				
17:00	Adjourn	17:00	Adjourn	17:00	Adjourn IAEA Hosted Dinner @ Gordon-Biersch Restaurant	17:00	Adjourn	16:30	Adjourn

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1 - 12 June 2015

MONDAY 6/08/2015		TUESDAY 6/09/2015		WEDNESDAY 6/10/2015		THURSDAY 6/11/2015		FRIDAY 6/12/2015	
				08:30	Part 10.0 TTX Briefing and Getting Ready	08:30	TTX Part 4 Exercise Conduct and debriefing	08:30	Groups ABCD Assessment Presentations
08:30	Part 6.6 Case Study of Regulator in Nuclear Security – US NRC Security Activities (NRC)	08:30	Part 9.1 Overview of Nuclear Security Threats (C. Nogueira de Oliveira/IAEA)	09:00	TTX Part 1 - Conduct and Debriefing	10:15	Break	09:30	Presentations of Groups ABCD Press Releases
10:00	Break	09:30	Part 9.2 Introduction to Nuclear Security Systems and Measures for Major Public Events (C. Nogueira de Oliveira/IAEA)	09:45	Break	10:00	TTX Part 5 Exercise Conduct and debriefing	10:10	Break
10:30	Part 7.2 Introduction to Security of Information in Nuclear Security (K. Barnes/INL)	10:30	Break	10:00	TTX Part 2 Exercise Conduct and debriefing			10:30	Press Conference
11:30	Part 7.3 Introduction to Computer Security in Nuclear Security (K. Barnes/INL)	11:00	Part 9.3 Introduction to Radiological Crime Scene Management (B. Garrett/US)					11:30	Course Wrap Up
		12:00	LUNCH			12:15	Completion of Exercise Debriefing		
12:30	LUNCH			12:30	LUNCH	12:15	Lunch	12:30	LUNCH
13:30	Part 8.1 Emergency Medical Planning for Incidents (M. Cichon/LUMC)	13:00	Part 9.4 Introduction to Nuclear Forensics in Support of Investigations (S. Lamont/DOE)	13:30	TTX Part 2 Exercise Conduct and debriefing (continue)	13:15	Groups ABCD discussion and preparation of Group Assessment Presentations		Seminar Evaluation
14:30	Break	14:00	Part 9.5 Planning, Preparedness and Response to Nuclear Security Events (C. Nogueira de Oliveira/IAEA)	15:00	Break	15:15	Break		
15:00	Part 8.2 Emergency Medical Response to Nuclear Security Event with Radiological Consequences (C. Patterson/AFD/ANL)	15:00	Break	15:15	TTX Part 3 Exercise Conduct and debriefing	15:30	Final Exercise – Briefing and Getting Ready		Award of Certificates, Concluding Remarks and End of Seminar
16:00	Part 8.3 Tour of Argonne Fire Department & Detection Instruments (AFD)	15:30	Part 9.6 Exercise on Illegal Nuclear Material Discovered by Police (Course Staff)			15:45	Groups ABCD Preparation of Press Releases		
17:00	Adjourn	17:00	Adjourn	16:45	Adjourn	16:45	Adjourn Closing Dinner @ ALOFT 18:00		