



EC - INSC Project MC3.01/13

EC Contract N° NSI/2014/343-969

“Training and Tutoring for experts of the NRAs and their TSOs for developing or strengthening their regulatory and technical capabilities”

Regional Training Course

Radiation Protection and Regulatory Emergency Preparedness

organized by ITER-Consult in East Europe-Central Asia region

Armenia, Yerevan – April 11 - 15, 2016

Best Western Congress Hotel

1st Italy Street, Yerevan - Armenia

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Course Objective

The training course will present and discuss the objective, content and responsibilities for the radiation protection and emergency preparedness with focus on the function and responsibility of the Nuclear Regulator. The structure and content of a typical emergency plan and emergency zoning (with reference to both on-site and off-site emergency plan), definition of roles and identification of responsibilities of government, operator and regulator, and their interfaces, will be presented and discussed. Links with international conventions and obligations will be addressed.

The role of the regulator in supporting the government in decision making during an emergency will be detailed. The training will also cover: aspects related to source term estimation and environmental monitoring, periodic drills of the emergency preparedness, lessons learned from Fukushima accident, public communication in normal operation and during and after emergencies.

Reference legal instruments, standards and requirement will be addressed.

Practical Application is included in the training.



resources & energy

Course Daily Program

Monday 11 th April, 2016	
08.30 - 09.00	Registration
9.00 – 13.00	Welcome Organizational aspects, Training objective, Training program – K. Slavcheva, A. Madonna (ITER)
	EU infrastructure for Radiation Protection and Nuclear Safety – K. Slavcheva, A. Madonna (ITER)
	Role and responsibilities of a Nuclear Regulatory Authority – A. Madonna (ITER)
13.00 – 14.00	Lunch
14.00 – 17.00	Essentials of Radiation Protection – K. Haroyan (NRSC)
	Basic notions of radiation protection for nuclear and radiological emergencies – K. Haroyan (NRSC)

Tuesday 12 th April, 2016	
9.00 – 13.00	Nuclear and radiological emergencies: an overview – C. Osimani (ITER)
	On-site nuclear emergency plans – C. Osimani (ITER)
	Off-site nuclear emergency plan: organization, requirements and periodic drills – J. Csurgai (HAEA)
13.00 – 14.00	Lunch
14.00 – 17.00	Early phase countermeasures - J. Csurgai (HAEA)
	Late phase countermeasures - J. Csurgai (HAEA)
	Regulatory role for Nuclear emergency – T. Malakyan (NRSC)

Wednesday 13 th April, 2016	
9.00 – 13.00	Transfer processes of released radioactivity to man and environment – J. Csurgai (HAEA)
	Atmospheric dispersion: interpretation of model and measurements results – J. Csurgai (HAEA)
13.00 – 14.00	Lunch
13.00 – 14.00	Environmental monitoring and data management – J. Csurgai (HAEA)
	Triage, monitoring and treatment of people exposed to ionizing radiation – J. Csurgai (HAEA)

Thursday 14 th April, 2016	
9.00 – 13.00	Organization of nuclear and radiological emergency exercises – T. Malakyan (NRSC)
	Legally binding national and international instruments related to emergency preparedness - N. Zeleznik (ITER)
	Legal requirements on data notification & information exchange – N. Zeleznik (ITER)
13.00 – 14.00	Lunch
14.00 – 17.00	Practical Application

Friday 15 th April, 2016	
9.00 – 13.00	Lessons learned from other historical radiological accidents – N. Zeleznik (ITER)
	EU requirements for EP&R – N. Zeleznik (ITER)
	Public communication during normal and emergency conditions – N. Zeleznik (ITER)
13.00 – 14.00	Lunch
14.00 – 17.00	Course summary
	Questionnaire
	Opinion from trainees
	Training Minutes
	Certificates