



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

“EU acquis, legal and regulatory framework, regulatory role & responsibilities”

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

Thailand, Bangkok – November 27 – December 1, 2017

Grand Mercure Bangkok Fortune Hotel

1 Rachadaphisek Road - Fortune Town – Dindaeng - BANGKOK - THAILAND

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Course Objective

The training course will introduce and discuss the requirements associated to the process to establish the legal and regulatory framework, to define the roles of main components of a nuclear infrastructure and to establish appropriate nuclear regulatory responsibilities, functions and elements ensuring its independence

The EU Acquis in the field of nuclear and radiation (N&R) safety, the EU Directives for nuclear safety, for RW and the EU Directive for Basic Safety Standards (BSS) will be presented and commented. Particular attention will be given to the EU requirements for radiation protection as described in the BSS Directive. The current EU Infrastructure for N&R safety will be introduced presenting the functions of DG ENER, ENSREG, WENRA and related working groups activities. Reference to international legal binding instruments and IAEA safety standards will be provided.

The needed capacity and competence of the Nuclear Regulatory Authority (NRA) to perform the functions of regulation, technical review, inspection and enforcement and its responsibilities and capacity to manage the interface with the licensee will be presented and discussed.

The approaches and EU practices for licensing process and regulatory inspections (and enforcement) will be shown focussing on both: nuclear and radiation facilities.

Practical examples and application are included in the training course program.



resources & energy

Course Daily Program

Wednesday November 29 th , 2017	
9.00 – 13.00	Management of Radioactive sources and EU Directive – T. Tularak's (OAP) Emergency preparedness and regulatory function during a nuclear/radiological emergency – C. M. De Vera (PNRI)
13.00 – 14.00	Lunch
14.00 – 17.00	EU Directive on Basic Safety Standards for protection of workers, public and environment (BSS) - M. Dionisi (ISPRA), R. Remetti (ITER) Role of Radiation protection Expert (RPE) and Radiation Protection officer (RPO) - R. Remetti (ITER), A. Principe (ISPRA) Role of Medical physics expert (MPE) - R. Remetti, L. Strigari (ITER)

Thursday November 30 th , 2017	
9.00 – 13.00	Regulatory inspections on medical application of RS - R. Remetti, L. Strigari (ITER) Protection from natural sources of radiation (NORM) and regulatory requirements – N. Zeleznik, R. Remetti (ITER)
13.00 – 14.00	Lunch
14.00 – 17.00	Practical Applications on : “Environmental radiation protection and medical applications of radioactive sources”

Friday December 1 st , 2017	
9.00 – 13.00	Security and physical protection of nuclear facilities: regulatory role – S. Sudprasert (OAP) International cooperation – A. Madonna (ITER) External support to regulatory authority – L. Cizelj (JSI), A. Madonna (ITER) Regulatory transparency - A. Madonna, K. Slavcheva (ITER)
13.00 – 14.00	Lunch
14.00 – 17.00	Course summary Questionnaire Opinion from trainees Certificates awarding Training Minutes

Monday November 27 th , 2017	
08.30 – 9.00	Registration
9.00 – 13.00	Welcome, Organizational Aspects, Training Objective, Training Program EU legal framework and infrastructure for Nuclear and Radiation Safety – A. Madonna (ITER) IAEA role and function - M. Gasparini (ITER)
13.00 – 14.00	Lunch
14.00 – 17.00	Development of nuclear infrastructure in new countries – M. Gregoric, A. Madonna (ITER) Role and function of the NRA – M. Dionisi (ISPRA) Elements of regulatory independence and funding – M. Gregoric, A. Madonna (ITER)

Tuesday November 28 th , 2017	
9.00 – 13.00	Resources, competences and staff of a NRA – N. Vlahov (BNRA) Establishing a legal and regulatory framework, development of regulations and guides, international legal instruments – N. Vlahov (BNRA) Regulatory inspections for Nuclear facilities and enforcement – S. Sudprasert (OAP)
13.00 – 14.00	Lunch
14.00 – 17.00	EU Directive on Nuclear Safety - N. Vlahov (BNRA) EU Directive on RW and SF management – N. Vlahov (BNRA), M. Dionisi (ISPRA) Regulatory licensing function, licensing process and licensing steps – M. Dionisi (ISPRA), A. Madonna (ITER)