



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”

Training Course

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

Pretoria – November 30 – December 4, 2015

Hotel Protea Centurion

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Course Objective

The training course will cover the requirements associated to the process to establish the legal and regulatory framework, to define the roles of stakeholders in the nuclear infrastructure and to establish appropriate nuclear regulatory responsibilities and functions including elements of nuclear regulator’s 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. Reference to international legal binding instruments and IAEA safety standards will be provided. The current EU Infrastructure for N&R safety will be introduced presenting the functions of DG ENER, ENSREG, WENRA and related working groups activities. 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 facilities and radioactive sources application. Practical examples and application are included in the course program.



resources & energy

Course Daily Program

Monday 30 th November 2015	
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)
	Development of nuclear infrastructure in new countries - A. Madonna (ITER)
13.00 – 14.00	Lunch
14.00– 17.00	Role and function of the NRA - A. Madonna (ITER)
	Resources, competences and staff of a NRA – N. Vlahov (BNRA)
	Elements of regulatory independence and funding – M. Gasparini, A. Madonna (ITER)

Tuesday 1 st December 2015	
9.00 – 13.00	International Legal Instruments – N. Vlahov (BNRA)
	Establishment of legislative and regulatory framework, development of regulations and guides – N. Vlahov (BNRA)
	EU Directive on RW and SF management - M. Dionisi (ISPRA)
	RW management and development of national policy and strategy – M. Dionisi (ISPRA)
13.00 – 14.00	Lunch
14.00 – 17.00	EU Directive on Nuclear Safety - N. Vlahov (BNRA)
	Emergency preparedness and regulatory function during a nuclear/radiological emergency - C. Osimani (ITER)
	Management of Radioactive sources – T. Pather (NNR)

Wednesday 2 nd December 2015	
9.00 – 13.00	Regulatory licensing function, licensing process and licensing steps – O. Philips (NNR)
	Regulatory Inspection for nuclear facilities and enforcement - N. Vlahov (BNRA)
	EU Directive on Management of RS and regulatory oversight – R. Remetti (ITER)
13.00 – 14.00	Lunch
14.00 – 17.00	EU Directive on Basic Safety Standards for protection of workers, public and environment (BSS) - R. Remetti (ITER), M. Dionisi (ISPRA)
	Role of Radiation protection Expert (RPE) and Radiation Protection officer (RPO) - R. Remetti (ITER)
	Role of Medical physics expert (MPE) - R. Remetti (ITER)

Thursday 3 rd December 2015	
9.00 – 13.00	Regulatory inspections on medical application of RS - R. Remetti (ITER)
	Safety and security requirements for Transport of RM – P. Hinrichsen (NNR)
	Protection from natural sources of radiation and regulatory requirements – R. Remetti (ITER)
13.00 – 14.00	Lunch
14.00 – 17.00	Practical Application

Friday 4 th December 2015	
9.00 – 13.00	Security and physical protection of nuclear facilities: regulatory role – G. Pitsoane (NNR)
	International cooperation – A. Madonna (ITER)
	External support to regulatory authority – A. Madonna (ITER)
	Regulatory transparency – A. Madonna (ITER)
13.00 – 14.00	Lunch
14.00 – 17.00	Course summary
	Questionnaire
	Opinion from trainees
	Training Minutes