



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 cooperation with CNSNS

Mexico, Mexico City – March 06 - 10, 2017

Hosted by Comision Nacional De Seguridad Nuclear Y Salvaguardias (CNSNS)
Dr. José Ma. Barragán 779, Narvarte, Ciudad de México. C.P. 03020

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), the emergency response (early and late countermeasures), the definition of roles and identification of responsibilities of government, operator and regulator (including 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.





Course Daily Program

Monday 6 th March, 2017	
08.30 - 09.00	Registration
9.00 – 13.00	Welcome Organizational aspects, Training objective, Training program – <i>A. Madonna, ITER</i>
	EU infrastructure for Radiation Protection and Nuclear Safety – <i>A. Madonna, ITER</i>
	Role and responsibilities of a Nuclear Regulatory Authority – <i>A. Madonna, ITER</i>
13.00 – 14.00	Lunch
14.00 – 17.00	Essentials of Radiation Protection – <i>C.T. Rodea, CNSNS</i>
	Basic notions of radiation protection for nuclear and radiological emergencies – <i>E. C. R. Arriola, CNSNS</i>
	Nuclear and radiological emergencies: an overview – <i>C. Osimani, A. Madonna, ITER</i>

Tuesday 7 th March, 2017	
9.00 – 13.00	Regulatory role for nuclear emergency – <i>A. Madonna, ITER</i>
	On-site nuclear emergency plans – <i>A. Cortés, CNSNS</i>
	Off-site nuclear emergency plan: organization, requirements and periodic drills – <i>S. Kapitany, HAEA</i>
13.00 – 14.00	Lunch
14.00 – 17.00	Transfer processes of released radioactivity to man and environment - <i>S. Kapitany, HAEA</i>
	Atmospheric dispersion: interpretation of model and measurements results - <i>S. Kapitany, HAEA</i>

Wednesday 8 th March, 2017	
9.00 – 13.00	Emergency Response: Early phase countermeasures – <i>S. Kapitany, HAEA</i>
	Emergency Response: Late phase countermeasures - <i>S. Kapitany, HAEA</i>
	Triage, monitoring and treatment of people exposed to ionizing radiation – <i>S. Kapitany, HAEA</i>
13.00 – 14.00	Lunch
14.00 – 17.00	Environmental monitoring and data management - <i>S. Kapitany, HAEA</i>
	Organization of nuclear and radiological emergency exercises – <i>A. Cortés, CNSNS</i>

Thursday 9 th March, 2017	
9.00 – 13.00	Legally binding international instruments for EP&R: notification & information exchange – <i>N. Zeleznik, ITER</i>
	Major functions and organizational aspects for NRA during a nuclear emergency – <i>N. Zeleznik, ITER</i>
13.00 – 14.00	Lunch
14.00 – 17.00	Practical Application – <i>N. Zeleznik, ITER</i>

Friday 10 th March, 2017	
9.00 – 13.00	Lessons learned from historical radiological accidents – <i>C. T. Rodea, CNSNS</i>
	Regulatory Emergency Centre functions and external links - <i>E. C. R. Arriola, CNSNS</i>
	Public communication during normal and emergency conditions – <i>K. Slavcheva, A. Madonna, ITER</i>
13.00 – 14.00	Lunch
14.00 – 17.00	Course summary
	Questionnaire
	Round table discussion with trainees
	Training Minutes
17.00 – 18.00	Certificates