

Training and Tutoring for experts of Nuclear Regulatory Authorities and their TSOs for developing or strengthening their regulatory and technical capabilities

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Capacity building for staff of nuclear regulators represents a key achievement to set up an effective nuclear infrastructure in countries operating or developing a nuclear program.

Nuclear Regulatory Authorities (NRA) and their Technical Support Organization (TSO) need to develop a wide range of professional capacities including: legal-regulatory framework; roles & responsibilities; safety objectives and requirements; licensing process; technological aspects of nuclear facilities; analytical tools for independent assessment, regulatory inspection; physical protection; emergency preparedness; public communication.

Training and tutoring (T&T) on these topics need to be specifically planned and implemented by professionals having senior experience as regulators and TSO. The training activity shall be carried out with the view and perspective of the regulatory role. The tutoring needs to be carried out at NRA or TSO headquarter with progressive involvement in concrete activity to effectively transfer approach and working methods.

These basic elements have been adopted and implemented while carrying out the activities of the "INSC Project MC.03/10: Training and Tutoring for experts of the NRAs and their TSOs for developing or strengthening their regulatory and technical capabilities - Lot 1" financed by the European Commission.

Thirteen training courses on nuclear and radiation safety topics have been implemented since 2012, most of them specifically developed as "dedicated" courses, with participation of 141 trainees from NRA/TSO of 15 partner countries (PC's) outside the EU.

Eight tutoring courses for a total of 34 man-months duration have been carried out at NRAs/ TSOs headquarters in EU (Italy, Slovenia, Belgium, Finland, Bulgaria) for staff (19) coming from NRA of Ukraine, Brazil, Vietnam, Mexico, Armenia, Belarus, Jordan, Indonesia, Philippines, Malaysia and Iraq. About 94 Consultant's senior experts have contributed as trainers and tutors.

Factors ensuring effectiveness have been the constant relation with the PC's to identify needs, collect requests, propose T&T modules, select trainees and the extensive experience of the project team composed of a significant number of EU NRA-TSO organizations with 4 Nuclear Regulators.

The feedback from performed activity has confirmed the validity of adopted approach regarding both a) organization/content of T&T activity, b) conduct of T&T activity.

Country or International Organisation

Italy

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