

THE ROLE OF THE NATIONAL NUCLEAR SECURITY SUPPORT CENTRE IN HUMAN RESOURCE DEVELOPMENT

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The objective of the IAEA Nuclear Security Plan approved by Board of Governors is to achieve improved worldwide security of nuclear and other radioactive material in use, storage and transport, and of associated facilities, by supporting states in their efforts to establish, maintain and sustain effective national nuclear security regime.

An effective nuclear security regime requires the provision of capabilities to prevent, detect and respond to a criminal or an unauthorized act with nuclear security implications, involving nuclear and other material, they should be developed systematically and sustained over the long-term. This goal can be reached through the establishment of sustainable and tailored human resource development and through the establishment of sustainable technical and scientific support services. As a result, the IAEA has identified the need to develop a concept that seeks to effectively pass ownership of nuclear security knowledge and associated technical skills to States through the establishment of Nuclear Security Support Centres (NSSCs).

In the Republic of Moldova National the Nuclear Security Support Centre was established in March 2013 according to the Technical University President's order within the Department of Microelectronics and Biomedical Engineering. The Statute of the NNSSC was approved by Technical University of Moldova (TUM) Senate Decision in February 2013. NNSSC is founded also to support the provisions set out in the Memorandum of Cooperation signed in November, 2009 between the National Agency for Regulation of Nuclear and Radiological Activities and Technical University of Moldova.

The purpose of the Centre is determined by the need of long-term sustainability of security effectiveness, education in nuclear security and implementation of nuclear security culture in Republic of Moldova. The main objectives are:

- to raise undergraduate, postgraduate and PhD training level in nuclear security, the regular updating of university courses in the area;
- to facilitate the development of human resources engaged in different activities involving nuclear and other radioactive materials;
- to develop and provide scientific support services for the prevention, detection of and response to nuclear security events;
- research and design of nuclear safety assurance systems etc.;

Among the recent completed objectives, can be mentioned joining TUM to the International Nuclear Security Education Network, which will allow the University to raise the level of undergraduate, postgraduate and PhD trainings in nuclear safety, updating university courses in this field, promoting the implementation of nuclear security subjects in Master and PhD cycles. For knowledge and skills improvement in nuclear security field department staff participated in: International Seminar on Essential Elements of Nuclear Security (Argonne, Illinois, USA), Professional Development Course on Nuclear Security Education (King's College London & UCLAN, UK), IAEA Regional Workshop on Establishing a National Strategy for Education and Training in Radiation, Transport and Waste Safety (Vilnius, Lithuania). With support of Swedish Radiation Safety Authority inside of NNSSC compartment has been renovated and provided with furniture and equipment.