

WINS Training Course for Libyan Scientists, Technicians and Engineers

BACKGROUND

Scientists, Technicians and Engineers (STE) are potentially involved in the management of nuclear and other radioactive materials in a variety of applications and contexts—hospitals, universities, industrial applications and nuclear facilities. They may be involved in design, siting, construction, operation of these facilities; be involved in computer or information technology including industrial control systems or work in other related contexts.

While STEs will likely be very familiar with common safety practices or have been introduced to an “all hazards” approach to the management of relevant risks, they may know far less about the security context of these activities or the application of security concepts or principles. Additionally, STEs play numerous roles in their organisations and have accountabilities that put them in contact with a wide range of departments, personnel, clients and vendors. Thus, STEs have the power to positively or negatively impact security at their facilities.

PURPOSE

The purpose of this 3-day training is to support the development of security competences for STEs by helping them understand the fundamental issues associated with nuclear security in their organisations. The training will discuss the potential security threats their organisation faces, the major stakeholders with responsibilities for nuclear security, how the human element and security culture affect security, and the numerous ways in which their jobs and responsibilities intersect with and contribute to security. The training will also discuss the role of cross-functional communication in increasing security and safety across the organisation and how managers can specifically influence behaviours and attitudes towards security amongst their staff.

The training will be derived from the WINS Academy Elective on Nuclear Security for Scientists, Technicians and Engineers, and will use lectures, discussion, case studies and exercises to further explore areas and issues of direct relevance for the audience.

Participants will be encouraged to enroll, for free, in the WINS Academy through the WINS Academy scholarship fund and have completed a first reading of the Elective Module for STEs prior to their participation in the training course. Further information on the WINS Academy and the certification programme is available [here](#).



Tunis, Tunisia



6 - 8 August

2019



This in-person training will be an opportunity to review and discuss the key elements of the Elective for STEs and to explore in further detail areas of particular importance to the participants. Participants will be encouraged to attempt their WINS Academy exams shortly after the completion of the training.



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KEY OBJECTIVES

The major objective of the training course is to help participants consider how their knowledge, skills and professionalism comprise an important asset that can be harnessed to improve security—for colleagues, the facility, the local community, and their country at the level of the national nuclear security regime. By the end of the training course, participants will understand:

- How safety and security culture intersect
- How security impacts the work scientists, technicians and engineers (STEs) are already performing
- Some of the threats to nuclear and other radioactive material
- When should these technologies be implemented in the nuclear
- Potential security risks and how to mitigate them
- How the security programme operates
- How safety and security work together in case of an incident
- The fundamental role that the human factor plays in security
- The personal accountabilities and responsibilities of STEs for helping to maintain security
- What STEs can do to begin bridging communication gaps between their community and security professionals
- The role of managers in influencing behaviours and attitudes towards security amongst their staff.

TARGETED AUDIENCE

The course will be designed for a group of 15 Libyan participants. The intended participants for this training are:

- Scientists, technicians and engineers working at nuclear facilities or sites managing large quantities of radioactive materials;
- Regulatory authorities and other governmental officials who regularly interface with STEs as part of their duties

Instructional Methods

- Lectures
- Discussions (*whole group, small group, pairs*)
- Case study reviews
- Exercises

LOGISTICS AND DELIVERY TEAM

The course will take place in Tunis, Tunisia, and The Tunisian National Center for Nuclear Sciences and Technologies (CNSTN) will assist WINS with local organisational arrangements.

The course will be conducted in Arabic with the support of English/ Arabic interpretation. The course will be delivered by WINS with the support of regional and international subject-matter experts.



WINS POINT OF CONTACT

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