



1-day Workshop on “Safeguarding the Nuclear Fuel Cycle”



Workshop Content

The goal of this 1-day workshop is to setup a generic safeguards system for a case study of a country with a given nuclear fuel cycle.

The workshop starts with two presentations on nuclear safeguards and on the nuclear fuel cycle in order to give a common starting point for all participants. The presentations will focus on topics that will be used for the rest of the workshop.

A case study will be further presented to the participants, describing the characteristics of a fictional country with a well-described nuclear fuel cycle. The participants will be divided in two groups and each group will develop an acquisition path analysis based on the information provided. The results will be discussed among the two groups.

Following the discussion, one group (so-called Inspectors) will have the task to develop a safeguards approach based on the acquisition path analysis, whereas the second group (so-called Proliferators) will try and develop acquisition paths to obtain material for a nuclear weapon without being detected.

Each group will finally present the results of their analysis and a group discussion is foreseen.

Requested Background

This workshop is open to a wide audience of professionals that have an interest in nuclear safeguards. A generic knowledge of the nuclear fuel cycle and of nuclear safeguards is advised but it is not mandatory to attend the workshop. The presentations at the start of the workshop are meant for safeguards newcomers.

Teachers

Klaas van der Meer – Head Society and Policy Support (SPS) Expert Group at SCK·CEN.

Riccardo Rossa – Scientific Collaborator Nuclear Science and Technology Studies (NST) Unit at SCK·CEN.

Approximate date

May 2019