



COMBATING ILLICIT TRAFFICKING

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National Commission for Nuclear Activities Control (CNCAN) is the national authority, which is contact point for illicit trafficking and coordinates all measures and activities to combat and prevent illicit trafficking with nuclear material and radioactive sources.

Legal framework regarding illicit trafficking has been improved due to new Physical Protection Regulations, Regulations on using the DBT, Regulations on requirements for qualification of guards and physical protection personnel, Design Basis Threat for each nuclear facility to avoid the unauthorized removal or theft of nuclear material or radioactive sources.

New amendments of the Law for the safe deployment of nuclear activities, Law no. 111/1996, republished, in respect of illicit trafficking with nuclear material and radioactive sources are in the process to be approved by the Parliament.

CNCAN is member of the Romanian Non-proliferation Group that is an interdepartmental mechanism of cooperation entered into force in August 1999. During the sessions of this group there are discussions focused on the preventing and combating illicit trafficking with nuclear material and radioactive sources.

CNCAN is member of the Interministerial Council that controls import and export with strategic products including nuclear material, non nuclear material and equipment pertinent for proliferation of nuclear weapons.

An Emergency Mobile Unit has been created in 2001 that contains instruments (gamma dose rate instruments portable and personal, contaminometers, mini MCA with CdZnTe detector, a CANBERRA Inspector with NaI, CdZnTe and HPGe detectors and 2 FiedSPEC, a mobile laboratory, 2 cars and individual equipment).

CNCAN is cooperating with the Police through a National Plan to verify the authorization holders in order to prevent and combat illicit trafficking, and to find the orphan sources.

CNCAN is the beneficiary of the PECO Project initiated by the European Commission in cooperation with the IAEA and the Institute for Transuranium Elements (ITU). In 2002 CNCAN has adapted the Response for Illicit Trafficking Nuclear Material Manual provided by ITU, and is in the process to obtain the Parliament approval for a Government Decision.

All measurements for nuclear material subject to the illicit trafficking are done in the Institute for Public Hygiene, Nuclear Research Institute from Pitesi and the Institute for Research and Nuclear Engineering.

The paper will contain some examples to determine the nature of the seized material and its origin.

Because of the reduced number of illicit trafficking events (24) from 1993 to 2002, a statistic of the use and origin of seized material is not relevant but it may be helpful.