



Contribution ID: 97

Type: Oral

United Republic of Tanzania National Response Plan for Nuclear Security Events toward utilizing nuclear Forensic to combat illicit trafficking of nuclear materials

Tuesday, 8 July 2014 09:20 (20 minutes)

In the United Republic of Tanzania (URT) there are wider peaceful application of ionizing radiation in the fields of medicine, Industry, research and teaching. This have leads to importation and exportation of a number of the radioactive source within Tanzania. It is well know that radioactive sources can result to severe radiological risks if they are not well controlled. Recognizing this potential risk and being aware of the Global occurrence of malicious intent, The Government of Tanzania made commitment to implement international nuclear safeguard protocol. Tanzania has experience 13 events which involved illicit trafficking cases of radioactive materials between the years 1996 to 2007 which have been reported to the IAEA-Illicit Trafficking Data Base programme (ITDB). These incidents include the illegal possession and sale of radioactive materials of which the country of origin is not yet known.

During this period Tanzania has been facing number of limitation and challenges which includes lack of proper identification of key problem that result to theft or illicit trafficking of radioactive materials. As a result of this, Tanzania needs to formulate proper strategies for maintain the security of radioactive materials and preventing theft or illicit trafficking. It is also clear that Tanzania is a having a long sea shore and having boarder with many landlocked country, a situation making her more vulnerable of illicit trafficking. These papers will assess the existing National Response Plan for Nuclear Security Event in Tanzania in order to utilize nuclear forensic in the prevention of acts of nuclear terrorism in combating illicit trafficking in nuclear material.

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Session Classification: Technical Session 2A