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Safeguards and Non-Proliferation

Thursday, 27 August 2015 14:00 (1h 30m)

Objective:

This paper presentation highlights the importance of safeguards and non proliferation of nuclear materials, implementation of safeguards systems and challenges of safeguards and non proliferation of nuclear materials

Safeguards and Non-proliferation of Nuclear Materials:

IAEA safeguards are measures through which the IAEA seeks to verify that nuclear material is not diverted from peaceful uses. Such material includes enriched uranium, plutonium and uranium-233, which could be used directly in nuclear weapons. It also includes natural uranium and depleted uranium, the latter of which is commonly used, for instance, as shielding for radiation sources in hospitals, industry and agriculture.

Non proliferation aims at preventing the spread of nuclear weapons and weapons technology, Promoting cooperation in the peaceful uses of nuclear energy and Further the goal of achieving complete nuclear disarmament.

Conclusion

The acceptance and implementation of IAEA safeguards therefore serve as important confidence building measures, through which a State can demonstrate —and other States can be assured—that nuclear energy is being used only for peaceful purposes in promoting economic and social development. However measures are also been put in place to combat challenges resulting from full implementation of safeguards and non proliferation systems.

Country or International Organization

Nigeria

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