

Symposium on International Safeguards: Linking Strategy, Implementation and People - IAEA CN-220



Contribution ID: 20

Type: oral

IAEA Guidance for Safeguards Implementation in Facility Design and Construction

Thursday, 23 October 2014 14:10 (20 minutes)

One of the IAEA's statutory objectives is to seek to accelerate and enlarge the contribution of nuclear energy to peace, health and prosperity throughout the world. One way the IAEA works to achieve this objective is through the publication of technical series that can provide guidance to Member States. These series include the IAEA Services Series, the IAEA Safety Standard Series, the IAEA Nuclear Security Series and the IAEA Nuclear Energy Series.

The Nuclear Energy Series is comprised of publications designed to encourage and assist research and development on, and practical application of, nuclear energy for peaceful purposes. This includes guidance to be used by owners and operators of utilities, academia, vendors and government officials. The IAEA has chosen the Nuclear Energy Series to publish guidance for States regarding the consideration of safeguards in nuclear facility design and construction.

Historically, safeguards were often applied after a facility was designed or maybe even after it was built. However, many in the design and construction community would prefer to include consideration of these requirements from the conceptual design phase in order to reduce the need for retro-fits and modifications. One can then also take advantage of possible synergies between safeguards, security, safety and environmental protection and reduce the project risk against cost increments and schedule slippage.

The IAEA is responding to this interest with a suite of publications in the IAEA Nuclear Energy Series, developed with the assistance of a number of Member State Support Programmes through a joint support programme task 1):

- International Safeguards in Nuclear Facility Design and Construction (NP-T-2.8, 2013)
- International Safeguards in the Design of Nuclear Reactors (NP-T-2.9, 2014)
- International Safeguards in the Design of Spent Fuel Management (NF-T-3.1, tbd)
- International Safeguards in the Design of Fuel Fabrication Plants (NF-T-4.7, tbd)
- International Safeguards in the Design of Conversion Plants (NF-T-4.8, tbd)
- International Safeguards in the Design of Enrichment Plants (NF-T-4.9, tbd)
- International Safeguards in the Design of Reprocessing Plants (NF-T-3.2, tbd)

The presentation will address how these publications can be shared and promoted. It will include lessons learned and suggestions how to affect the new facility bidding process in a constructive way.

1) Argentina, Belgium, Brazil, Canada, China, the European Commission, Finland, France, Germany, Japan, the Republic of Korea, the United Kingdom, and the United States of America

Country or International Organization

IAEA

EPR Number (required for all IAEA-SG staff)

677

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Session Classification: Safeguards by Design