



Contribution ID: 206

Type: **Contributor (Panel Session)**

## Effectiveness of the IAEA Safeguards

The IAEA safeguards, being a control element for nuclear non-proliferation regime, have been playing essential role for its stability. The safeguards system, created in 60-s, was further developed in early 70's of the 20th century in view of the Non-Proliferation Treaty (NPT). It has been improving continuously to provide adequate responses to arising challenges.

In this paper, authors introduce their view on the main challenges that the IAEA verification faces today. They conclude that these challenges require the system to become more effective and efficient while remaining objective and technically sound.

The authors discuss a mechanism that allows to evaluate the effectiveness of safeguards implementation. The authors also presume such mechanism is useful for elaborating the optimal combination of measures, foreseen in CSA and AP, and for safeguards planning through use of new technologies and for better management of technical, financial and human resources of the IAEA Secretariat. The authors discuss the technical implementation parameters, roles of expert judgment and state-specific factors, their applicability with regard to integrated safeguards development, implementation and effectiveness evaluation for a state as a whole. The authors give a conceptual view that could be further elaborated (subject to acceptance by the Member States and the IAEA Secretariat).

The analysis includes consideration of ways to increase safeguards effectiveness and efficiency while ensuring no obstacles are posed to the States peaceful nuclear activities and their economic and technological development, as well as no interference in their domestic affairs.

The paper contains results of the analysis of possible technical parameters for the assessment of safeguards effectiveness in order to achieve effective control of non-proliferation obligations performance by the States.

### Which "Key Question" does your Abstract address?

SGI1.2

### Topics

SGI1

**Primary author:** Mrs BELYAEVA, Marina (State Atomic Energy Corporation ROSATOM)

**Co-authors:** Ms KOZLOVA, Nadezhda (State Atomic Energy Corporation ROSATOM); Mr KHLEBNIKOV, Nikolay (ROSATOM); Mr BYTCHKOV, Valeri (Independent expert); Mr KUCHINOV, Vladimir (ROSATOM)

**Presenter:** Mrs BELYAEVA, Marina (State Atomic Energy Corporation ROSATOM)

**Session Classification:** [SGI] Performance Monitoring in Safeguards

**Track Classification:** Shaping the future of safeguards implementation (SGI)