

Round Table Discussion 2

Safeguards, Nuclear Security and Proliferation Resistance

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Recent Trend of Safeguards

- Asia Pacific Safeguards Network (APSN)
- Next Generation Safeguards Initiative (NGSI : U.S.)
- Brazilian-Argentine Agency for Accounting and Control of Nuclear Material (ABACC)
- Review of the development of safeguards and Japan's efforts

Challenges of Safeguards (SG)

Q1: How do we promote universalization of NPT-SG, Additional Protocol (AP) and Integrated Safeguards (IS)?

Q2: How can we attain more effective and efficient SG? Any idea for evolution of SG? R&D? International Cooperation? Regional SG? SG Culture? SG by Design (SBD)?

Q3: What is the limit of SG? How to overcome it?

Q4: Is there a way to reduce economic impacts of SG for future nuclear fuel cycle?

Q5: Should the NWSs (nuclear weapon states) bear the same burden as those of the NNWSs (non-nuclear weapon states) in applying SG to their facilities?

Q6: How can we develop human resources for SG?

Proliferation Resistance (PR)

Q1: What kind of technologies are effective for the increased PR of nuclear fuel cycle?

Q2: What is the relationship of PR with SG? Are they in trade-off relation or can they be expected to have synergy effects?

Q3: Are the criteria necessary for the design of proliferation resistant nuclear system?

Q4: How resistant is proliferation resistant enough?

Q5: Is proliferation resistant nuclear system economically competitive / viable?

Enhancement of Nuclear Security (NS)

Q1: What are the most urgent challenge and counter measures for enhancing NS in each state; US, ROK, France, Russia, Brazil, Japan?

- Measures for security of radioisotopes
- Measures for security of nuclear material transportation
- Counter measures against illicit trafficking of nuclear materials/ radioactive materials
- Counter measures against insider threat
- Promotion of “Security by Design” concept
- Development of NS culture
- Early ratification of revised CPPNM

Q2: What roles are expected for WINS (World Institute for Nuclear Security) ?

Q3: What are expected for Nuclear Security Summit in April 2010 proposed by US President Obama ?