

Scientific Forum
Nuclear Safety and Security:
Enabling a Nuclear Future

Richard A. Meserve
Carnegie Institution
INSAG Chairman

Focus on safety and security is timely

- Awareness of the significance of security is growing
- Nuclear technology is becoming more widespread
- All countries are affected by capacity to achieve adequate safety and security

Commonalities between safety and security

- Common fundamental purpose – protection of public health and safety and the environment
- Similar philosophy – layers of defense
- Many structures/procedures to achieve safety purposes serve to advance security and vice-versa.

Distinctions between safety and security

- Personnel – drawn from different cultures
- Transparency – entirely different attitudes toward openness
- Very different linkages between licensee and government

Complications

- Systems or procedures to advance one function can on occasion adversely affect the other.
- Need for clear and singular chain of command

Implications

- Need to establish a global network to advance both safety and security everywhere
- Need an integrated system to assure that a balance between safety and security is achieved