

# **NUCLEAR NON-PROLIFERATION AND NUCLEAR COOPERATION AGREEMENTS**

**Tsutomu ARAI**

**Director**

**International Nuclear Energy Cooperation Division**

**Department, Non-Proliferation and Science Department**

**Ministry of Foreign Affairs**

**Japan**

# MULTILAYERED APPROACH TO NON-PROLIFERATION

- ◆ Establishing and Enforcing of International Norms
  - Global (NPT etc.)
  - Regional (NFZ etc.)
  - Bilateral (Nuclear Cooperation Agreements)
  
- ◆ Practical Initiatives

# INTERNATIONAL NORMS

## ◆ Global

- NPT
- IAEA Comprehensive Safeguards Agreement
- Additional Protocol
- CTBT (Yet to Entry Into Force)
- United Nations Security Council Resolutions (e.g. UNSCR 1540 )

## ◆ Bilateral

- Nuclear Cooperation Agreements

## ◆ Regional

- Nuclear Weapon Free Zones (Tlatelalco, Southeast Asia, South Pacific, Africa, Central Asia) (Proposal on Middle East etc.)

# PRACTICAL INITIATIVES

- ◆ **Nuclear Suppliers Group**
- ◆ **Global Initiative to Combat Nuclear Terrorism**
- ◆ **Proliferation Security Initiative**
- ◆ **Global Threat Reduction Initiatives**
- ◆ **Others, Regional Seminars and Training Course  
(cooperating with IAEA), Exchange of Experts, etc.**

# NUCLEAR COOPERATION AGREEMENT(1)

## ◆ Status of Japan's Bilateral Nuclear Cooperation Agreements

### ● Entry Into Force

- US, UK, Canada, Australia, France, China, EURATOM

### ● Signed (Yet to Entry Into Force)

- Russia (May, 2009)
- Kazakhstan (March, 2010)
- Jordan (September, 2010)
- Republic of Korea (December, 2010)
- Vietnam (January, 2011)

### ● Under Negotiation

- UAE: Substantially Agreed
- India, South Africa, Turkey: Under Negotiation

# NUCLEAR COOPERATION AGREEMENT(2)

## ◆ Major Elements of Nuclear Cooperation Agreements

- Assurance on Peaceful Uses of Transferred Nuclear Materials, Non-Nuclear Materials, Equipment, and Technologies as well as Derived Nuclear Materials and Equipment
- Restriction on Transfer of Sensitive Equipment and Technologies
- Application of IAEA safeguards (supplemented by an Additional Protocol)
- Application of Appropriate Physical Protection Measures
- Controls on Retransfer of Transferred Nuclear Materials, Non-Nuclear Materials, Equipment and Technologies as well as on Transfer of Derived Nuclear Materials and Equipment
- Restriction on Enrichment and Reprocessing of Transferred and Derived Nuclear Materials
- Cessation of Cooperation and Termination of an Agreement in the Case of Violation of the Agreement

# EXPORT CONTROL

## ◆ Export Control System in Japan

- List Control

- System that export licenses of Minister of METI are required for the export of listed items in advance agreed in export control regime.

- Catch-all Control

- System that export licenses of Minister of METI are required in advance in cases where items or technologies are not control lists but could contribute to development of WMD and their delivery systems.