

# **Special Speech**

# "Recent trends in nuclear nonproliferation"

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#### **Preface**

- Bright and Dark side of using Nuclear Energy
  - Extend the Bright side
    - Generation of electricity
    - Use of radiation in various fields such as medical, industry or agriculture
    - ➤ Contribute to "Sustainable Development"
  - Extremely Refrain from Dark side
    - Nuclear Weapon
      - ✓ Dirty bomb is also a concern





# Challenge to Nuclear Non-Proliferation Regime

- ① Challenge from Outside of NPT
  - ✓ INDIA, PAKISTAN, ISRAEL
- ② Challenge from the Inside of NPT
  - ✓ IRAQ, DPRK, LIBYA, IRAN
- 3 Challenge from non-state members
  - ✓ Non-state Actors ex. Group of Terrorists
  - ✓ Surplus Pu or HEU as a result of Disarmament

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# Strengthening Measures of Nuclear Non-Proliferation Regime - 1

- 1 IAEA Safeguards
  - Universalization of Additional Protocol (AP)
    - Make acceptance of AP as duty or standard for NPT
- ② Export control
  - Strengthen and Expand Nuclear Supplier Group (NSG)
    - · Expansion of participating nations
    - Make acceptance of AP as a requirement of Export
    - Give NSG a law-based power of restriction





#### Strengthening Measures of Nuclear Non-Proliferation Regime - 2

### ③ Physical Protection (PP)

- Convention of the Physical Protection (CPP) of Nuclear Material (into force in 1980)
  - Covers International transportation only
- Amendment of CPP of Nuclear Material (adopted in July 2005)
  - Include Domestic transportation and storage

### Proliferation Security Initiative(PSI)

- Increase of cooperative nations
  - Prevention of Proliferation
  - Preventative Effect

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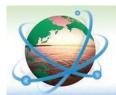




#### Seeking new approach for Nuclear Non-Proliferation - Multilateral Nuclear Approach - 1

- ① Bush's proposal and ElBaradei's idea
  - Bush's proposal
    - Limit the Enrichment and Reprocessing capability within the nations already having such (Amendment of Nuclear Supplier Group and its guideline)
  - ElBaradei's idea
    - Multilateral arrangement of nuclear fuel cycle (Report made by IAEA expert group on Feb. 2005)
    - Ask nations for moratorium of building new enrichment or reprocessing facilities for 5 or 10 years
  - Same goal, but Different methodologies





#### Seeking new approach for Nuclear Non-Proliferation - Multilateral Nuclear Approach - 2

#### Compromise

- First step of compromise
  - Assurance of Nuclear fuel supply
  - Process Spent fuel Internationally or Regionally
  - Russia also express it's interest
- Differences
  - Bush's
    - Abandonment of Nuclear fuel cycle comes before the Assurance of supply (Step by Step where possible)
  - ElBaradei's
    - Establish frame work of assurance of supply first and foremost, to make it incentive.

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### Conclusion - 1

- Measure for Nuclear Non-Proliferation
  - Supporting nonproliferation regime through various measures seem most practical
  - ➤ Therefore, Appropriate to further forward the Provisions explained
- Suggestion
  - We should proactively respond to the Multilateral Nuclear Approach, and contribute our ideas into the discussion





## Conclusion - 2

#### JAPAN's Position

- Big power in nuclear energy, and only country to have suffered nuclear attacks
  - → Contribute to strengthening of world nuclear nonproliferation regime
- 2. Country with few natural resources
  - → Establish own nuclear fuel cycle for national energy security
- 3. Located in Asia
  - → Establish nuclear energy policy considering whole Asia region

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