



Panel Discussion 2

**Efforts toward a world without nuclear weapons
– Japan’s contributions to nuclear disarmament –**



**Mr. Kenju Murakami
(Chair)**



Dr. Olli Heinonen



Dr. Ole Reistad



Mr. Andreas Persbo



Ms. Corey Hinderstein



Mr. Hirofumi Tomikawa



Panel Discussion 2

TREATY ON THE NON-PROLIFERATION OF NUCLEAR WEAPONS (NPT)

ARTICLE I

Each nuclear-weapon State Party to the Treaty undertakes not to transfer to any recipient whatsoever nuclear weapons or other nuclear explosive devices or control over such weapons or explosive devices directly, or indirectly; and not in any way to assist, encourage, or induce any non-nuclear-weapon State to manufacture or otherwise acquire nuclear weapons or other nuclear explosive devices, or control over such weapons or explosive devices.



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TREATY ON THE NON-PROLIFERATION OF NUCLEAR WEAPONS (NPT)

ARTICLE II

Each non-nuclear-weapon State Party to the Treaty undertakes not to receive the transfer from any transferor whatsoever of nuclear weapons or other nuclear explosive devices or of control over such weapons or explosive devices directly, or indirectly; not to manufacture or otherwise acquire nuclear weapons or other nuclear explosive devices; and not to seek or receive any assistance in the manufacture of nuclear weapons or other nuclear explosive devices.



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Points for discussion-1

Significance of non-nuclear-weapon states' (NNWSs') participation in nuclear disarmament verification and the structure of such verification regime

- Characteristics of nuclear disarmament verification
- Good practices and challenges of past verification efforts involving NNWSs
- Possible solutions and structure for resolving challenges enabling NNWSs' participation for nuclear disarmament verification based on the lesson learned from above past efforts
- Future efforts and directions



Panel Discussion 2

Questions?

- **What is the significance of NNWSs' participation in verification activities?**
- **Why were the past efforts not able to lead to actual verification activities? Are there any solutions?**
- **What are structures and forms which enable NNWS's participation?**
e.g. Bilateral cooperation / multilateral cooperation / initiatives led by international organizations



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Points for discussion-2

Technical contributions to nuclear disarmament by NNWSs including Japan

- **Examples for disarmament verification technologies and their features, such as Information Barriers and Chain of Custody**
- **Possible technical contributions to nuclear disarmament by NNWSs**
- **Technology elements to be developed for nuclear disarmament verification**
- **Possibility of international cooperation (multilateral or bilateral cooperation)**



Panel Discussion 2

Questions?

- **What are NNWSs' technical contributions to nuclear disarmament verification?**
- **Possibility of international cooperation for technology development in area of nuclear disarmament (multilateral or bilateral cooperation)**



Panel Discussion 2

- **Questions and/or comments on whole Panel Discussion 2 from audience**





Panel Discussion 2

- **Chairman's Summary
of Panel Discussion 2**

