Introduction to Nuclear Nonproliferation

Lecture 1.2.1
NPT (1968) and its role in global security architecture. Three pillars of nuclear nonproliferation

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Three Pillars of Nonproliferation Regime

Nonproliferation

Disarmament

Peaceful use of nuclear energy

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Nuclear Non-Proliferation Treaty (1)

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.
Nuclear-Weapon States – NPT Members

USA
05.03.70

Russia
05.03.70

Great Britain
27.11.68

France
03.08.92

China
09.03.92

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Nuclear Non-Proliferation Treaty (2)

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.
Art. IV

1. Nothing in this Treaty shall be interpreted as affecting the inalienable right of all the Parties to the Treaty to develop research, production and use of nuclear energy for peaceful purposes without discrimination and in conformity with Articles I and II of this Treaty.

2. All the Parties to the Treaty undertake to facilitate, and have the right to participate in, the fullest possible exchange of equipment, materials and scientific and technological information for the peaceful uses of nuclear energy. Parties to the Treaty in a position to do so shall also co-operate in contributing alone or together with other States or international organizations to the further development of the applications of nuclear energy for peaceful purposes, especially in the territories of non-nuclear-weapon States Party to the Treaty, with due consideration for the needs of the developing areas of the world.

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Nuclear Non-Proliferation Treaty (4)

ARTICLE VI

• Each of the Parties to the Treaty undertakes to pursue negotiations in good faith on effective measures relating to cessation of the nuclear arms race at an early date and to nuclear disarmament, and on a treaty on general and complete disarmament under strict and effective international control.
Total amount of nuclear warheads in the world 1947-2018 (deployed and non-deployed)

Estimated Global Nuclear Warhead Inventories 1945-2019


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Nonstrategic nuclear weapons in Europe

- 150 bombs roughly
- 6 bases in 5 countries

Source: U.S. Nuclear Weapons on the Territories of 5 NATO States. Nuclear Threat Initiative

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ARTICLE VII

- Nothing in this Treaty affects the right of any group of States to conclude regional treaties in order to assure the total absence of nuclear weapons in their respective territories.
Nuclear proliferation in the world: 1945 - 2019

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