Introduction to Nuclear Nonproliferation Regime

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Lecture ONE

ABC of WMD
NONPROLIFERATION
What are Weapons of Mass Destruction?

- Nuclear Weapons (NW)
- Chemical Weapons (CW)
- Biological Weapons (BW)
- Delivery Systems
Use of WMD (1)

NUCLEAR – Hiroshima
(approximately 135,000 casualties)¹


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Use of WMD (2)

French solider wearing respirator, World War I

Bodies of Kurds exhumed from a mass grave in Iraq

Chemical weapons

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Use of WMD (3)

5 casualties
Photos of letters mailed to US senators containing anthrax, October 2001

Biological weapons

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Convention on the Prohibition of the Development, Production, Stockpiling and Use of Chemical Weapons and on their Destruction (CWC)

Entered into force on April 29, 1997

193 member states (as of September 2019)

Signed and ratified
Acceded
Signed but not ratified
Non-signatory

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Convention on the Prohibition of the Development, Production and Stockpiling of Bacteriological (Biological) and Toxin Weapons and on their Destruction (BTWC)

Entered into force on March 26, 1975

183 member states (as of September 2019)

Signed and ratified
Acceded
Signed but not ratified
Non-signatory

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Missile Technology Control Regime (MTCR)

Established in April 1987

35 participating states (as of September 2019)

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The Basics of the Nuclear Nonproliferation Regime
The **Nuclear Nonproliferation Regime** represents a set of international agreements and organizations with participation of both nuclear-weapon states and non-nuclear weapon states, and also of internal legislation of participating states who have the aim of preventing other states from acquiring a nuclear-weapon state status, if they have not possessed such status by 1967.

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The subject of the regime is all Nuclear Explosive Devices (NED), and also materials and the equipment and technologies required for their manufacturing.

Representative weapon casings for nuclear bombs used in World War II

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Three Pillars of Nonproliferation Regime

Nonproliferation
Disarmament
Peaceful use of nuclear energy

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Nuclear proliferation in the world: 1945 - 2019

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States renounced their nuclear weapon programs
Non-Compliance

Nuclear-Weapons States
Not members to the NPT
States renounced their nuclear weapons or nuclear weapons on their territories