



Reviewing the Space Treaties

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- What we have done, what we have not done, what we should do next?
 - I. reviewing space treaties: the achievements
 - II. reviewing space treaties: the defects
 - III. reviewing space treaties: the future

I. Reviewing Space Treaties: the Achievements (what we have done)

- 1. Five UN Space Treaties
 - Outer Space Treaty (1967): ten year after first manmade satellite
 - Rescue Agreement (1968)
 - Liability Convention (1972)
 - Registration Convention (1975)
 - Moon Agreement (1979): standstill after it

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- 2. Achievements: good legal framework for international society
 - no appropriation of outer space (OST art.2)
 - free access, free use, free exploration, free scientific investigation (OST art.1)
 - maintaining international peace and security and promoting international cooperation and understanding (OST art.3)
 - restriction of weapon (OST art.4)
 - no massive destruction weapon in space and celestial body
 - no testing any type of weapon on celestial bodies including the moon
 - rescue of astronaut (OST art.5; Rescue Agreement)
 - Responsibility and Liability of launching state (OST art. 6, 7; Liability Convention)
 - space object registration (OST art.8; Registration convention)

II. reviewing space treaties: the defects

- 1. situation after more than five decades development
 - space debris increasing
 - 2009 satellites collision
 - space weapon development
 - X-37B
 - commercialization of space activities
 - space tourism
 - great demand from all countries
 - modern life need space activities

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- 2. defects: no rules on new issues
 - no rules for space debris: how to reduce it, removal or not, who has the right?
 - no enough rules for non-massive destruction weapon
 - no consideration of commercialization, no enough unified private law rules
 - space assets protocol, a few countries signed
 - no consideration of over-consuming humanitarian rescue: is there enough way or resources for space tourists?

III. reviewing space treaties: the future

- we should do next: legal binding and non-legal binding rules - make treaty, propose guidelines or forge consensus
 - regulating space weapon: PPWT
 - regulating space behavior: CoC
 - regulating commercial activity: encourage the unification of private aw on space activity

observation

- demand - consensus - rule
 - first satellite 1957, first treaty 1967
 - why not go ahead
- imperfect - effort - perfect



■ Thank you !

■ questions and comments?

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