

SPACE TECHNOLOGY AND SPACE LAW

Ashok G.V., Factum law



THE SOURCES OF LAW

DESCRIPTION

- International
 - OST/Liability Convention/Registration Convention
 - International Humanitarian Law
 - International Trade and Investment Law
 - Defense and Security related treaties and resolutions
- Domestic
 - Legislation
 - Guidelines
 - License conditions

IMPACT ON TECHNOLOGY

- Creation (Article IV OST)
- Trade (export control measures/unauthorized sale)
- Usage and applications (war and military purposes)
- Investment into technology development

CASE STUDIES

- Tardigrades
- Swarm technologies
- Inspector satellites
- Ukraine-Russia Satellite
- Installations on outer space objects
- Nuclear Centrifuge Tech

TARDIGRADES

- Aliens on the moon
- Payload-Confidential
- Solutions under International law?
 - OST?
 - COSPAR

SWARM TECHNOLOGIES

- Satellite based in the US
- Launching party: India
- Lack of domestic clearances
- Rogue satellites:?
- Solutions:

INSPECTOR SATELLITES

- Launched into space
- Mission unknown
- Maneuvers: Non-Standard
- Ramifications: Counter-space?
- Solutions?

INSTALLATION:

- Water production facility: Mars
- Rival moon base: Shut down
- Astronauts make request for access.
- Solution:?

RUSSIA-UKRAINE CONFLICT

- Satellites used for military communication
- Knocked out using cyber
- Debris:
 - Non-state actors
 - Attribution
 - ISL or IHL?

NUCLEAR CENTRIFUGE TECH-CASE STUDY

- Novel tech/under wraps
- Escapes international regulations/regulators
- Proliferation

CONCLUDING QUESTIONS?

- Drilling tech for water mining?
- Safety in outer space objects?
- Duty of Care for space activities? Local environmental dynamics
- We don't know, what we don't know?

THANK YOU

- Questions
- ashok@factumindia.law
- 9986328007