



Inadequate Laws Leave Space Civilians Vulnerable: Why Protection Lacks

Description

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If you saw the video of Jason Isaacman in a SpaceX spaceship, you might wonder who is responsible if something goes wrong. International space laws go back to 1967 with the Outer Space Treaty. It says that only states, like the US, can be responsible for space activities, even those by private companies like SpaceX.

The US government has rules for air travel, but space travel has fewer regulations. The SPACE Act of 2015 allows private astronauts to handle safety concerns with companies like SpaceX. This rule is set to change in 2025, bringing clarity on who is responsible for private astronauts.

Another issue is the increasing number of satellites in space, affecting astronomers. Regulations are needed to control satellite launches from companies like SpaceX. Policy experts suggest updating the Outer Space Treaty to solve these modern problems.

Vocabulary List:

1. **Responsible** /rɪ'sponsəbl/ (adjective): Having an obligation to do something for someone or having control over someone.
2. **Regulation** /,regjʊ'leɪʃən/ (noun): A rule or directive made and maintained by an authority.
3. **Astronaut** /'æstrə,nɔ:t/ (noun): A person trained to travel in a spacecraft.
4. **Clarity** /'klærɪti/ (noun): The quality of being clear and easy to understand.
5. **Satellite** /'sætə,laɪt/ (noun): A celestial body orbiting around a planet or a man-made device placed in orbit.
6. **Policy** /'polɪsi/ (noun): A course or principle of action adopted or proposed by an organization or individual.

Comprehension Questions

Multiple Choice

1. According to the text, what international agreement governs space activities and assigns responsibility for them?

Option: The SPACE Act of 2015
Option: The Air Travel Regulations
Option: The Outer Space Treaty of 1967
Option: The US Government Regulations

2. What is the role of states, like the US, as per the Outer Space Treaty?

Option: Hold private companies liable for space activities

- Option: Regulate air travel for private astronauts
- Option: Be responsible for space activities
- Option: Control satellite launches from private companies

3. What does the SPACE Act of 2015 allow private astronauts to do?

- Option: Launch their own satellites
- Option: Handle safety concerns with companies like SpaceX
- Option: Dictate space policies
- Option: Control air travel regulations

4. What issue is mentioned in the text regarding the increasing number of satellites in space?

- Option: Impacting space tourism
- Option: Affecting telecommunications
- Option: Affecting astronomers
- Option: Increasing space debris

5. Why do policy experts suggest updating the Outer Space Treaty?

- Option: To regulate air travel for private astronauts
- Option: To control satellite launches from private companies
- Option: To address modern space problems
- Option: To limit space exploration

6. What rule related to private astronauts is set to change in 2025?

- Option: Responsibility for space activities
- Option: Allowance to handle safety concerns
- Option: Permit to launch satellites
- Option: Regulation of air travel

Answer

Multiple Choice: 1. The Outer Space Treaty of 1967 2. Be responsible for space activities 3. Handle safety concerns with companies like SpaceX 4. Affecting astronomers 5. To address modern space problems 6. Allowance to handle safety concerns

Vocabulary quizzes

Multiple Choice (Select the Correct answer for each question.)

1. Which process involves gradual development and change over time?

- Option: Evolved
- Option: Pectoral
- Option: Prey
- Option: Habitat

2. Who is responsible for enforcing rules and regulations?

- Option: Encourage
- Option: Authorities
- Option: Worries
- Option: Habitat

3. What should be monitored to ensure compliance?

- Option: Surveyed
- Option: Encourage
- Option: Content
- Option: Worries

4. Who should ensure the safe and proper functioning of systems?

- Option: Regulator
- Option: Responsible
- Option: Regulation
- Option: Astronaut

5. What determines the territory where regulations apply?

- Option: Restricts
- Option: Violation
- Option: Jurisdiction
- Option: Concerns

6. What must be protected in the context of data collection?

- Option: Connection
- Option: Livestreamed
- Option: Privacy
- Option: Clarify

7. Which state is desirable for ecosystems to thrive?

- Option: Monitor
- Option: Healthier
- Option: Regulator
- Option: Concern

8. Which term describes situations presenting difficulties or issues?

- Option: Clarify
- Option: Content
- Option: Problematic
- Option: Responsible

9. Who typically travels and works in space?

- Option: Regulation
- Option: Astronaut
- Option: Clarity
- Option: Satellite

10. What is crucial for communication between devices?

- Option: Privacy
- Option: Concern
- Option: Connection
- Option: Livestreamed

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. The area was thoroughly _____ to gather data for analysis.

12. Teachers should _____ students to ask questions and seek knowledge.

13. The new policy _____ employees from using social media during work hours.

14. The meeting addressed the major _____ of the community regarding the proposed construction project.

15. The presentation lacked _____ causing confusion among the audience.

16. The industry is overseen by a government _____ that sets standards for operation.

17. Repeated _____ of the safety protocols led to severe penalties for the company.

18. Parents often have _____ about their children's well-being especially when they are away from home.

19. Conservation efforts aim to protect the natural _____ of endangered species.

20. The research groups worked _____ to reach their findings without any collaboration.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. Weightlifters often focus on strengthening their chest and shoulder .

22. The treasure was deep underground to hide it from looters.

23. The government agency acts as a for ensuring fair competition in the market.

24. It is essential to constantly the temperature of the sensitive equipment.

25. The concert was online for fans who could not attend in person.

26. The company introduced a new dress code to improve professionalism.

27. The welfare of animals in captivity is a major for animal rights activists.

28. The weather provides data on storms and atmospheric conditions.

29. The public library has a strict no-noise to ensure a quiet study environment.

30. The local investigated the case and made arrests in connection with the robbery.

Answer

Multiple Choice: 1. Evolved 2. Authorities 3. Content 4. Responsible 5. Jurisdiction 6. Privacy 7. Healthier 8. Problematic 9. Astronaut 10. Connection

Gap-Fill: 11. Surveyed 12. Encourage 13. Restricts 14. Concerns 15. Clarity 16. Regulation 17. Violations 18. Worries 19. Habitat 20. Independently

Matching sentence: 1. Pectoral 2. Buried 3. Regulator 4. Monitor 5. Livestreamed 6. Policy 7. Concern 8. Satellite 9. Policy 10. Authorities

CATEGORY

1. Sci/Tech - LEVEL1

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