SGAC Review of the UNCOPUOS Space Debris Compendium

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Space Debris Today

- Space debris poses the greatest threat to our progress in space
- Mitigation is crucial for both the space environment and human exploration
- Meaningful mitigation requires informed policy creation and international cooperation
Compendium

- Created in 2014 and continuously updated on a voluntary basis
- Goal: Develop a comprehensive database of information to provide insight into global space debris mitigation efforts and guide policy creation
Analyze the information available in the UN COPUOS Space Debris Compendium to assess the efficacy of existing policies and establish a suggested regulatory framework.

- International guidelines
- National laws
- Launch procedures
- Planned regulatory changes within specific states or regions
- Examine how these policies interact with international guidelines

- Technical requirements included in national legislation
- Environmental requirements for launch
- Determine industry challenges
- Examine effect new technical requirements could have on future missions
# Project Values

## Bridge the Gap in Understanding
- Use legal and technical backgrounds to determine achievable best practices

## Actionable, Pragmatic Steps for States
- Transforming strengths and weaknesses of current approaches into clear metrics to evaluate regulations

## Look Forward
- Create a framework that ensures uniformity and longevity of space debris mitigation laws
Project Goals

1. Aid the creation of national laws that promote the safety and sustainability of space exploration

2. Strengthen the relationship between technical aspects of space debris mitigation to enhance effectiveness of mitigation measures

3. Promote global cooperation and uniform measures to ensure successful space debris mitigation
Project Phases

Phase 1
Analyze UN COPUOS Space Debris Compendium & International Instruments

Phase 2
Comparative analysis of national space debris mitigation laws

Phase 3
Analyze technical requirements of national laws and impact on mission planning

Phase 4
Synthesize findings and determine effectiveness of differing regulations

Phase 5
Create ideal model national regulatory framework using results
THANK YOU

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