



COPUOS

**Leveraging Private Sector Input for Public Sector Regulations:
*An Overview of U.S. Commercial Space Law and Policy Developments***

Committee on the Peaceful Uses of Outer Space
Fifty-Sixth Session of the Legal Subcommittee

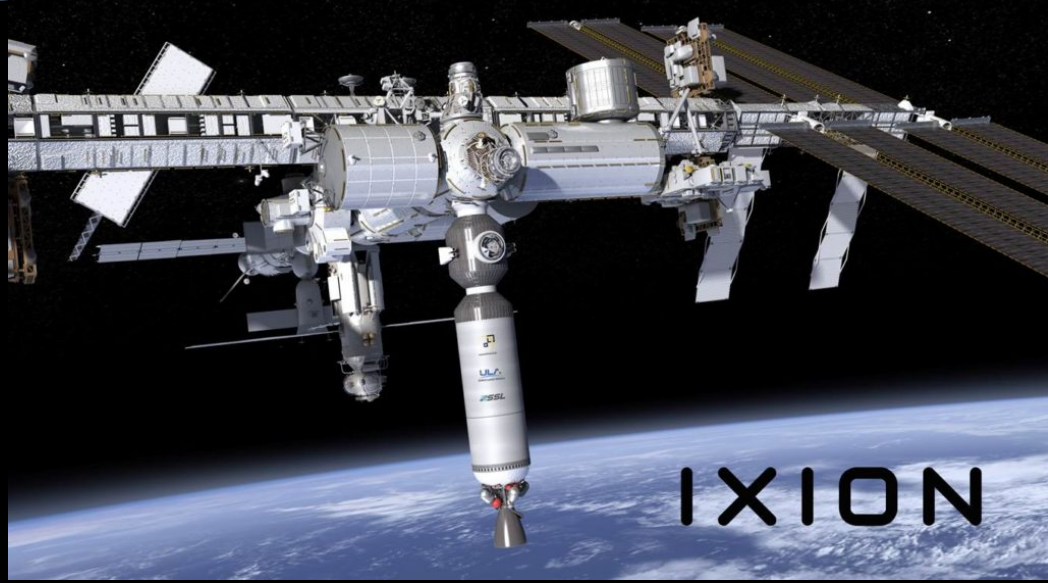
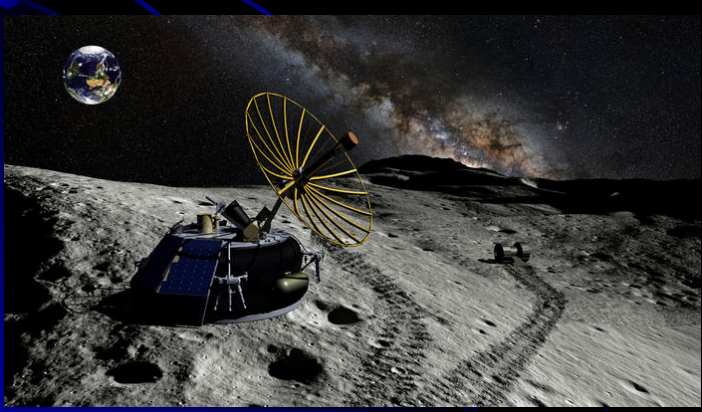
March 28, 2017

by

Mike Gold

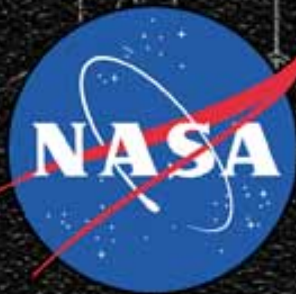
Chair of the Commercial Space Transportation Advisory Committee

An Era of Change





IT'S NOT ROCKET SCIENCE



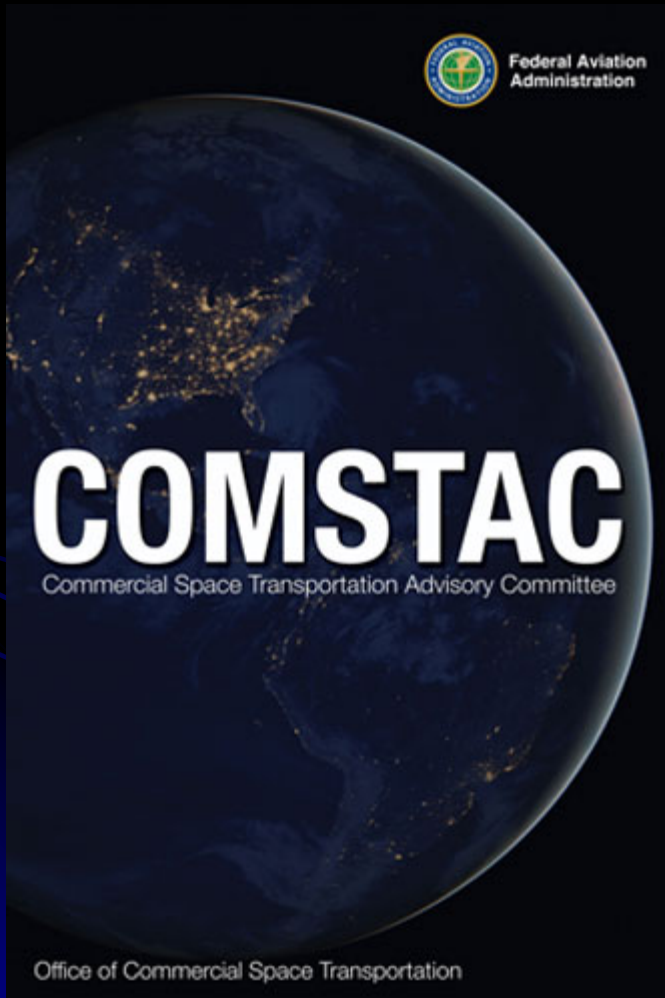
OH WAIT,
YES IT IS!

FAA Office of Commercial Space Transportation



- Responsible for Earth to Orbit and Orbit to Earth
- Is under the Federal Aviation Administration
- Combines regulatory authority with the mission to promote the commercial space launch industry

COMSTAC



Sometimes the Most Important Orbit is the Beltway



Commercial Space Launch Competitiveness Act

- Passed in 2015 and designed to spur private sector competitiveness and entrepreneurship
- 105 Report on streamlining licensing and permitting to avoid regulatory 'double-dipping' and other forms of inefficiencies
- 108 Report to "recommend an authorization and supervision approach that would prioritize safety, utilize existing authorities, minimize burdens to the industry, promote the U.S. commercial space sector, and meet the United States obligations under international treaties"
- 109 Report to study Orbital/Space Traffic Management
- Endorsed the maintenance and use of the International Space Station through 2024
- Support for extraterrestrial resource exploration and utilization in keeping with international treaty obligation of the United States

American Space Renaissance Act



- Introduced by Congressman Jim Bridenstine (R-OK) last year; combined civil, commercial, and national security-related space issues
- Substantially bolster funding for the FAA Office of Commercial Space Transportation (“FAA AST”)
- Designate a lead Government Agency for Space Traffic Management
- Supports international treaty obligations and calls for global cooperation
- Reduce bureaucracy surrounding commercial remote sensing licensing

DARPA CONFERS AND SATELLITE SERVICING



- Objective of the Consortium For Execution of Rendezvous and Servicing Operations (“CONFERS”) is to establish uniform standards and requirements for satellite servicing
- A NGO or academic entity will soon be selected to establish a secretariat to support CONFERS
- CONFERS will eventually transition to full private sector funding

The Future

- A second American Space Renaissance Act will be announced next week at the National Space Symposium; a new Commercial Space Launch Competitiveness Act; a new NASA Reauthorization bill
- Establish a formal process for, most likely, the FAA AST to provide authorization and continuing supervision per Article VI of the Outer Space Treaty
- Provide a civil agency, again, most likely the FAA AST, with responsibility for informing commercial entities of potential conjunctions
- Bolster public-private partnerships
- What the private sector is asking for: Predictability, Transparency, Responsiveness, Efficiency
- The American private sector wants to engage globally, please do not hesitate to reach out to the COMSTAC or individual companies

Happy Birthday Outer Space Treaty



- Flexibility for each nation to implement its broad obligations in its own fashion
- Countries can experiment and we can all learn from best practices, e.g., United Arab Emirates and Luxembourg have leaned forward with innovative laws/regulations that the American private sector is looking at

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