

# Office of Space Commerce, U.S. Department of Commerce

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Resources for Space Entrepreneurs





# Office of Space Commerce

Helping U.S. businesses use the unique medium of space to benefit our economy

Search ... 

- Home
- About Us ▾
- TraCSS ▾
- CRSRA ▾
- Space Commerce Certification ▾
- Space Policy ▾
- Resources ▾

Briefings & Presentations

Resources for Space Entrepreneurs

U.S. Space Policies

Space Industry Technical Standards Online Database

Latest News

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## Understanding the Commercial Space Ecosystem

Resources providing a broad overview of space operations and space mission security best practices and standards, as well as an overview of statistics on the U.S. commercial space economy.



## Navigating U.S. Commercial Space Regulations

Resources providing a broad overview of space operations and space mission security best practices and standards, as well as an overview of statistics on the U.S. commercial space economy.



## Federal Resources

Resources and information about doing business with the United States government.

*Handbook for New Space Actors, SWF*

*Government Contracts Guide for Space and Satellite Companies, Hogan-Lovells*

*U.S. Space Statistics, BEA*

*Cybersecurity for the Space Domain, NIST*

*(Handbook for Space Capability Development, cgdev.org)*



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## Federal Resources

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*Space Launch and Reentry Licenses (FAA-AST)*

Commercial Remote Sensing Licenses (NOAA OSC/CRSRA)

Space Spectrum Licensing (FCC Space Bureau)

**DoS & DoC - Export Control**

# The State of US Space Regulation Today

## Spectrum Management

Independent:

Federal Communications Commission (FCC)

Dept of COMMERCE:

National Telecommunications and Information Admin (NTIA)

## Regulation of Sensors

Dept of COMMERCE:

Office of Space Commerce (OSC)

## Export Control

Dept of STATE:

Directorate of Defense Trade Controls (DDTC)

Dept of COMMERCE:

Bureau of Industry and Security (BIS)

## Regulation of Launch, Launch Sites & Re-entry

Dept of TRANSPORTATION:

Federal Aviation Administration (FAA)





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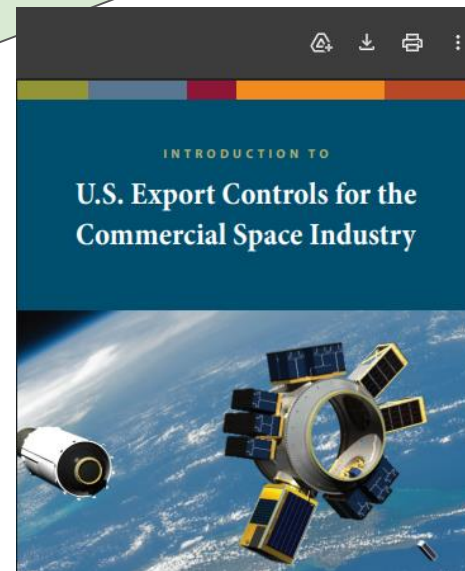
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## Federal Resources

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## Satellite Export Control Regulations - Guide





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*Doing Business with the USG,  
General Services Administration*

*Contracting Business Guide,  
Small Business Administration*

*Federal Unique Entity ID  
Registration ([sam.gov](https://sam.gov))*

*Size Standards, SBA*

*Procurement Technical  
Assistance Centers*

*SelectUSA Investor Guide, ITA*

*Cybersecurity for the Space  
Domain - Framework; NIST*

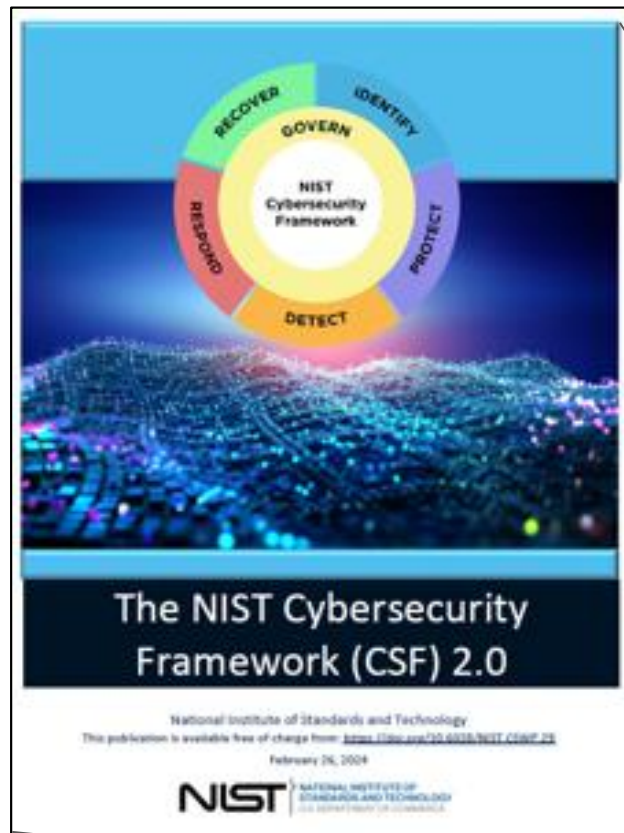
*Helping organizations of all sizes and sectors improve their cybersecurity posture*

Most downloaded document of all NIST technical pubs in 2024!

# NIST Cybersecurity Framework 2.0

[www.NIST.gov/cyberframework](http://www.NIST.gov/cyberframework)

*Credit: Suzanne Lightman, NIST*





## Opportunities | Department of Commerce Agencies

Contract, funding, and business opportunities and resources with the U.S. Department of Commerce and Department of Commerce agencies.



## Opportunities | Other Civil Agencies

Contract, funding, and business opportunities and resources with other civil U.S. government agencies (e.g., NASA) involved in space activities.



## Opportunities | Department of War / National Security Agencies

Contract, funding, and business opportunities and resources with U.S. national security and intelligence government entities (e.g., the United States Space Force) involved in space activities.





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## **The SelectUSA Investor Guide**



March 2025

# Traffic Coordination System for Space



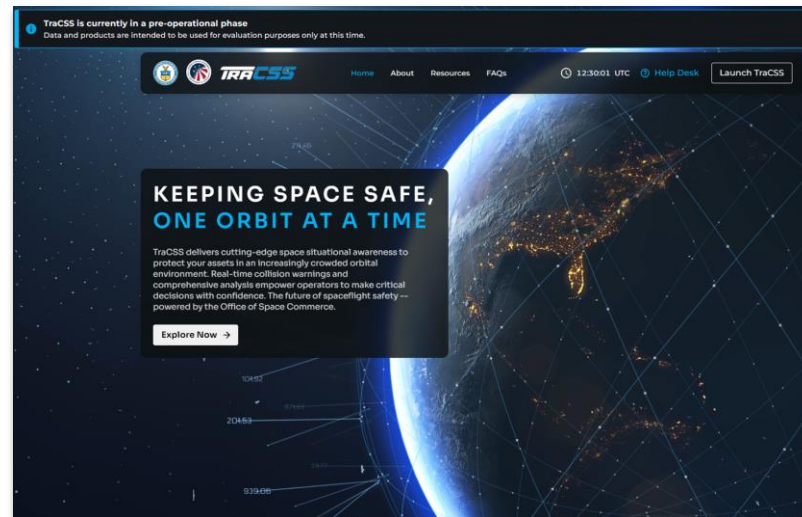
## Focused on Safelight Safety

TraCSS will provide access to selected SSA data and information, such as:

- A TraCSS satellite database.
- Owner/operator contact information.
- Owner/operator ephemerides.
- Two-line element (TLE) Catalog.
- Conjunction Data Messages (CDMs), which include an estimated probability of collision ( $P_c$ ).

Onboarding satellite operators well underway, national accounts now in progress.

- Request an orientation: [tracss.outreach@noaa.gov](mailto:tracss.outreach@noaa.gov)



[www.tracss.gov](http://www.tracss.gov)

Sign-up  
here





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Contract, funding, and business opportunities and resources with U.S. national security and intelligence government entities (e.g., the United States Space Force) involved in space activities.

*Defense Innovation Marketplace*

*Defense Innovation Unit (DIU)  
Business Partnerships; Open  
Solicitations*

*Defense Advanced Research  
Projects Agency*

*Space Development Agency*

*SpaceWERX/AfWERX  
(USSF/USAF)*

*Space Systems Command “Front  
Door”*

*Space Rapid Capabilities Office*

*Navel & Air Force Research  
Laboratories*



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Contract, funding, and business opportunities and resources with U.S. national security and intelligence government entities (e.g., the United States Space Force) involved in space activities.

*In-Q-Tel (IQT) - Startup Submission Portal*

*Intelligence Advanced Research Projects Agency*

*Defense Intelligence Agency (DIA) - Business Solicitations/Needipedia*

*National Geospatial-Intelligence Agency - Work with Us*

*National Reconnaissance Agency - Doing Business; Acq Research Center; Director's Innovation Initiative*



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- Resources ▾

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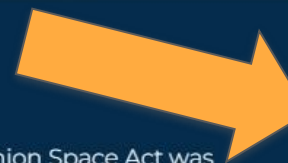
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## U.S. Space Policies



### **National Space Policy (2020)**

### **Space Policy Directives (SPD) 1-7**

### **Executive Orders: (2020-2025)**

### **Other National Policies:**

- Diplomacy; Priorities Framework; Space Nuclear Systems; National Space Strategy; Transportation Policy; U.S. Commercial Remote Sensing Space Policy

### **NOAA-Level Policy:**

NOAA Commercial Space Policy



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# Standards for Space Security



- **International Organization for Standardization (ISO)**
  - Space Traffic Coordination (STC)
  - Orbital Debris Mitigation
- **Consultative Committee for Space Data Systems (CCSDS)**
  - Data Exchange
  - Data Security
- **American Society for Testing and Materials (ASTM)**
  - Design, manufacturing and use of vehicles used for spaceflight
  - Human Spaceflight Safety
- **Institute of Electrical and Electronics Engineers (IEEE)**
  - Cyber Security

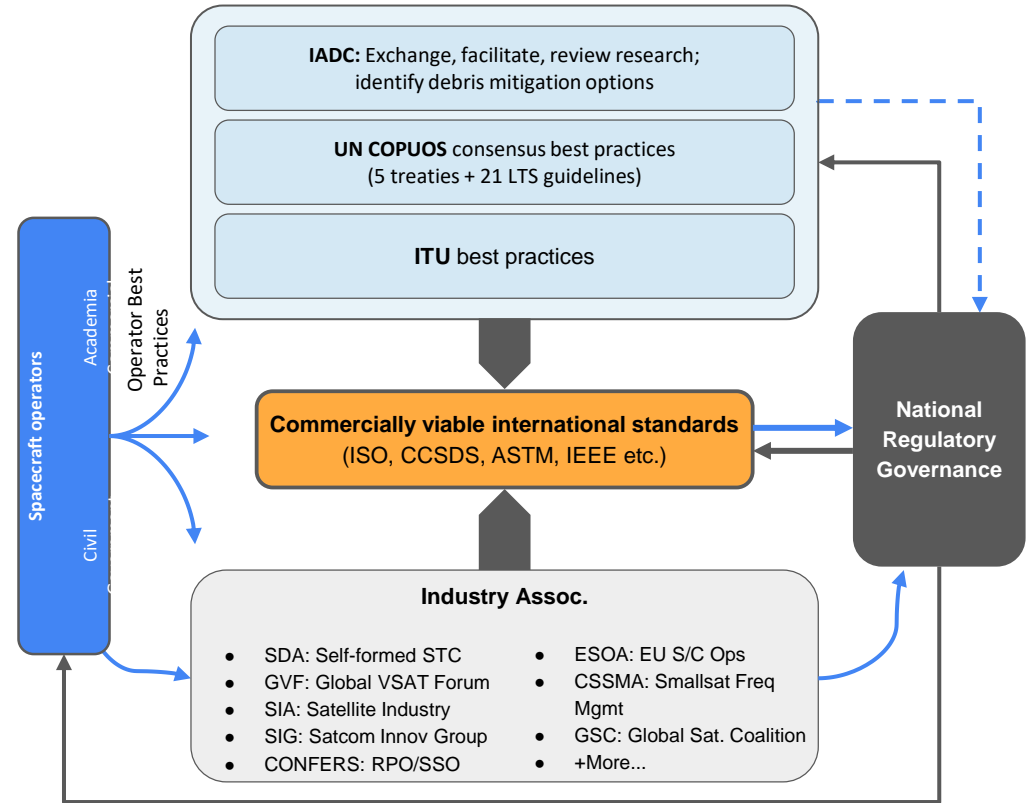


Figure adapted from: Oltrogge, Dan, "International Organization for Standardization (ISO) activities for Long-Term Sustainability (LTS) of Space Activities" (2019). Space Traffic Management Conference. 31. <https://commons.erau.edu/stm/2019/presentations/31>. Used with permission.

## Space Industry Technical Standards Online Database

This page hosts an online database of the “Space Industry Technical Standards” Compendium, last updated in June 2024.

Access the Space Industry Technical Standards Compendium webpage [here](#).

The compendium can also be downloaded below:

- [Space Industry Technical Standards Compendium, June 2024](#) (PDF)
- [Space Industry Technical Standards Compendium, June 2024](#) (Excel format)

Developer	Designation / Title of Standard, Specification, Other Publication, or Program	Publication Date	Publication Status	Category Topic	Fee?
AAS SATCONI Scientific Organizing Committee	Impact of Satellite Constellations on Optical Astronomy and Recommendations Towards Mitigations	2020	Published	Risk Management	No fee
Aerospace Corporation	Launch U Standard SSC18-IX-07	2018	Published	Launch	No fee
AIA	NAS412, Foreign Object Damage	2023	Published	Risk Management	Fee

# Connect with OSC



## TraCSS webpage

<https://tracss.gov/>

About, How-to's, Specification Documents;  
Data Policy, FAQ's

## TraCSS Email

*Government Representatives,  
send email to:*

**Mariel Borowitz, PhD**

Head of International SSA

Engagement (IPA)

[mariel.borowitz@noaa.gov](mailto:mariel.borowitz@noaa.gov)

and

[tracss.outreach@noaa.gov](mailto:tracss.outreach@noaa.gov)



## Newsletter

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and engagement lists