



Space Sustainability Code of Conduct

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Natalia Vicente
VP Public Affairs



Global Association representing the entire industry

GSOA provides a platform for collaboration among member companies involved in the global satellite ecosystem and a unified voice for the industry.



Objective



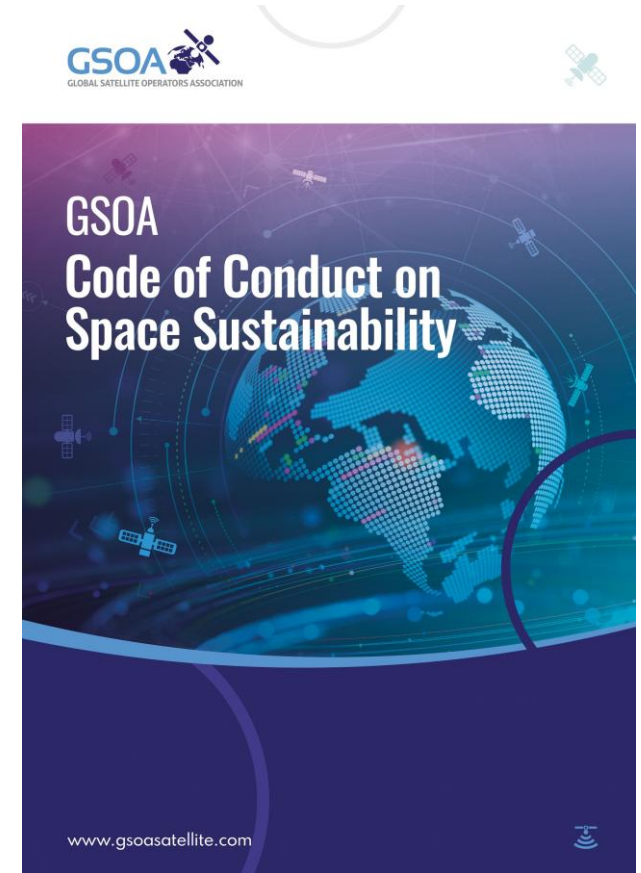
PURPOSE OF THE GSOA CODE OF CONDUCT

To identify & endorse industry space sustainability practices that will enable the world to maximize the use of, access to, & benefits from, space resources.



GOAL OF THE CODE

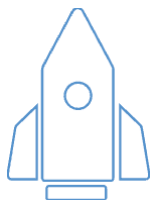
To recognize that space provides significant benefits to people and our planet and that preserving those benefits in the face of greater utilization of orbits for valuable services requires timely action.



[\[READ FULL DOCUMENT\]](#)

THE GSOA CODE OF CONDUCT AIMS TO SAFEGUARD THE LONG-TERM USE AND BENEFITS OF SPACE RESOURCES FOR HUMANITY.

1. Mitigating the Risk of In-Orbit Collision



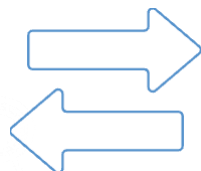
SPACECRAFT DESIGN



**COORDINATE BEFORE,
DURING AND AFTER
OPERATIONS**



**INTERNATIONAL "RULES OF
THE ROAD"**



USE STANDARD INTERFACES



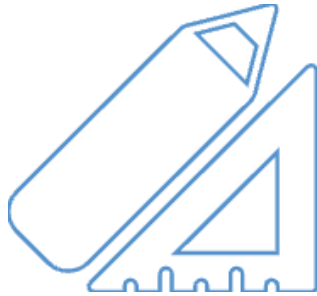
SHARE DATA IN REAL-TIME



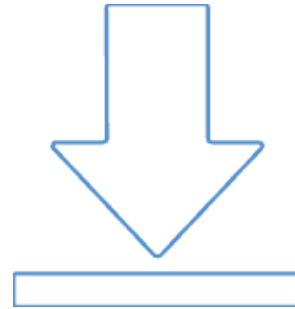
INFORMATION EXCHANGE

**AS THE NUMBER OF SPACECRAFT CONTINUE TO INCREASE IN THE ORBITS AROUND THE EARTH, IT IS NECESSARY TO
TAKE
ACTION TO MINIMIZE THE RISK OF COLLISION AMONG SPACE OBJECTS AND THE GENERATION OF ORBITAL DEBRIS.**

2. Minimize the Threat of Non-Trackable Debris



**DESIGN SPACECRAFT
TO MINIMIZE ALL
DEBRIS**



**MINIMIZE
INCIDENTS**



**APPROPRIATE POST-
MISSION DISPOSAL**

OPERATORS SHOULD TAKE STEPS IN THE DESIGN, LAUNCH, ORBIT RAISING, OPERATIONAL AND DE-ORBIT PHASES OF THE SPACECRAFT MISSION TO ENSURE THAT THEIR SATELLITES, OR PORTION THEREOF, DO NOT BECOME A SOURCE OF DEBRIS.

3. Preserving Human Life in Space



SPACECRAFT DESIGN

Ensure spacecraft designs minimize risks to human space structures and missions.

LAUNCH, ORBIT RAISING, AND OPERATIONS

Take steps during all phases of the spacecraft lifecycle to mitigate risks to human spaceflight operations.

DE-ORBITING AND DISPOSAL

Ensure spacecraft disposal methods do not endanger human space assets or activities.

BY PRIORITIZING HUMAN LIFE SAFETY IN ALL ASPECTS OF SPACECRAFT DEVELOPMENT & OPERATIONS, THE SPACE INDUSTRY CAN PRESERVE THE INTEGRITY OF HUMAN SPACE EXPLORATION & ACTIVITIES

4. Limiting Satellite Reflectivity



DESIGN LOW-EARTH ORBITING SPACECRAFT AND CONSTELLATIONS TO REDUCE EXPECTED BRIGHTNESS

Select materials and operations that minimize the brightness of satellites to recommended levels



MINIMIZE SPECULAR REFLECTION FROM SPACECRAFT TOWARDS OBSERVATORIES

Take steps to reduce the amount of direct reflection from satellites towards ground-based telescopes



COOPERATE WITH THE ASTRONOMY COMMUNITY

Work with astronomers to develop tools, resources and practices that reduce the impact on optical astronomy

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 **gsoasatellite.com** **info@gsoasatellite.com** **@GSOA** **@GSOA_SAT** **@gsoa4satellite**

Thank you!

gsoasatellite.com

#satellite4life