



Leveraging Commercial Space

USSPACECOM **J8 Memo to Industry** – FY27 (5th) Edition, October 2024

EVOLVING SPACE THREATS

U.S. Space Command (USSPACECOM), working with Allies and Partners, plans, executes, and integrates military spacepower into multi-domain global operations to deter aggression, defend national interests, and when necessary, defeat threats. Space capabilities enable us to protect and defend the U.S. homeland while advancing global economic and security interests.

U.S. private industry's commercial space sector leads the way in space innovation. The commercial sector continues to rapidly advance space technologies to provide commodities and services for myriad purposes. This advancement strengthens the global economy and our national security. Acceleration of product development timelines and timely integration of space-based commercial capabilities enhances joint and combined force operations, which are imperative to maintaining space superiority. These strengths will help us counter our competitors who persist in developing and testing counterspace capabilities that challenge access and freedom to operate in space.

SHAPING THE SPACE DOMAIN

Evolving threats and technological developments are transforming the use of the space domain. USSPACECOM continues to develop ideas on how to build a hybrid architecture of government and commercial assets with stakeholders across the space enterprise. The Command continues to explore commercial pathways to mitigate capability gaps and associated operational risks across the Joint Force. USSPACECOM does this by soliciting industry for capabilities aligned to our priorities and mission needs; meeting with commercial partners to evaluate capabilities and their utility to the warfighter; advocating for capabilities with appropriate acquisition organizations; and leveraging existing commercial partnerships within military space operations cells. The goal of these efforts is to meet needs in these areas:

DESIRED END STATE

“By 2027, USSPACECOM conducts dynamic, partnered, and integrated space operations and transregional missile defense support to enable Joint Force lethality and effectiveness while protecting it from space-enabled attack, extending our advantage over competitors, and successfully operating in the face of the threats arrayed against us through all levels of conflict to deter aggression and defeat adversaries.”

General Stephen Whiting
Commander, USSPACECOM

USSPACECOM Priorities and Mission Needs

- Integrated Space Fires
- Enhanced Battlespace Awareness for Space Operations
- Resilient, Timely Operational Space Command and Control
- Space Systems Cyber Defense
- Assured Satellite Telemetry, Tracking and Control Architecture
- Sustained Space Operations and Maneuver
- Flexible Satellite Communications
- Modern, Agile Electronic Warfare Architecture
- Missile Defeat Effects
- SATCOM Ground Enterprise

THE VALUE OF COMMERCIAL SPACE

Innovative commercial technologies amplify overall military spacepower and are a testament to the tenacity and pioneering spirit of U.S. entrepreneurs. The Department of Defense's 2024 DoD Commercial Space Integration Strategy seeks to align the Department's efforts and drive more effective integration of commercial space solutions into national security space architectures.



In turn, the USSPACECOM's commercial integration efforts pursue the same four top-level priorities to maximize the benefits of integrating commercial space solutions: Ensure access to commercial solutions across the spectrum of conflict; Achieve integration prior to crisis; Establish the security conditions to integrate commercial space solutions; and Support the development of new commercial space solutions for use by the joint force. USSPACECOM's Commercial Integration Strategy originally published in 2022 and already closely aligned to the strategies that followed, is being updated to even more closely reflect the concepts outlined in the DoD

document and incorporate the lessons learned from successful execution over the last two years. Current global events compel government and commercial stakeholders to challenge existing paradigms and reimagine possibilities to maintain space superiority. Today, commercial partners significantly contribute to space domain awareness, communications, and data sharing. Future operations require a resilient space architecture, proliferated constellations, layered defense, end-to-end cyber security, sustained space maneuver and capabilities that enable offensive and defensive space operations.

WE SHOULD NOT DO THIS ALONE

Commercial capabilities and services support government, civil, and commercial space architectures in peacetime and potentially provide additional capacity to meet military requirements in crisis and conflict. As the reliance on the space domain grows, so does our responsibility to protect and defend the assets and capabilities that are critical to our way of life. Our combined efforts to communicate, collaborate, and synchronize our capabilities has already proven to be an invaluable approach to securing the ultimate high ground. Enduring commercial and government partnership is vital to our national security. We invite industry to work with the DoD in pursuing shared interests and achieving shared goals. Sustained innovation and investment will ensure we maintain the strategic advantage.

To discover what you can do to support USSPACECOM's mission, visit <https://www.spacecom.mil/Partnerships-and-Outreach/Industry-Engagement-Portal> to connect with our Industry Engagement Team.

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