



# Flexible Satellite Communications

For today's U.S. Government operations



# Viasat's hybrid SATCOM approach

The U.S. Department of Defense (DoD)'s 2024 Commercial Space Integration Strategy clearly outlined the need for redundant, resilient communications to support the warfighter and deter adversaries attempting to disrupt critical communications by targeting a single system or network. This effort is exemplified by initiatives like the U.S. Air Force's objective to have 25 percent of its mobility fleet connected by 2025 – known as the “25 by 25” goal.

Viasat is committed to helping government customers achieve their connectivity goals and enable military users to connect at any time, in any situation and in any place. The company's aim is to reduce the burden and cost to the government by bundling multiple commercial services together and providing a Simultaneous Operations (SIMOP) model.

As the DoD adopts a hybrid approach to its communications, Viasat delivers global high-capacity coverage with cellular-like roaming across satellite frequency bands, networks and constellations, and satellite orbits.

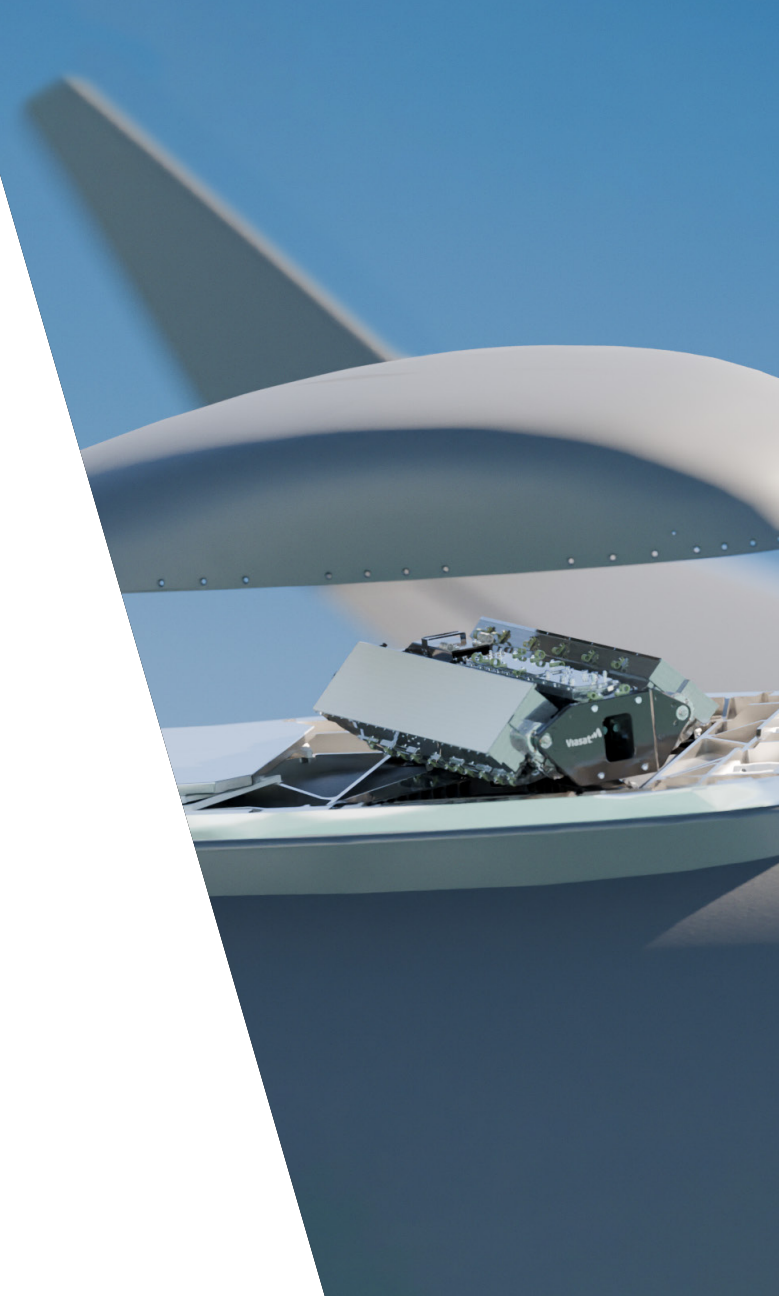
## Multi-Frequency, Multi-Network, Multi-Orbit Connectivity

With its Hybrid SATCOM Approach (HSA), Viasat is delivering the operational flexibility, interoperability

and resilience that U.S. government customers need to support their missions worldwide. The company utilizes mature, customer-trusted and currently-available solutions that enable customers to connect to the best SATCOM network - whether it's GEO, MEO or LEO - to meet today's operations and requirements, as well as prepare for the future.

### Additional benefits include:

- Global high-capacity coverage with cellular-like roaming across satellite frequency bands, networks and constellations, and satellite orbits
- Beyond line-of-sight (BLOS) connectivity in Ku- and Ka-band
- Capable of supporting up to three antennas (LEO Tile, Ku/Ka array antenna, L-band, Mobile User Objective System (MUOS) or others) for increased operational flexibility and resilience
- Modular adapter plate supports future technology insertion under the existing Open Manufacturing Language (OML), reducing the need for further non-recurring engineering (NRE) to change equipment
- NetAgility™ enables Automated Primary, Alternate, Contingency, Emergency (A-PACE) for operations in communications-contested environments





As always, Viasat's services are backed by a 24/7/365 Network Operation Center (NOC) and a Cyber Security Operation Center (CSOC) that are operational today supporting all U.S. Government users with U.S. citizens and cleared individuals monitoring and ready to support.

### **Additional HSA Innovations**

Viasat's team works consistently to extend the value and capabilities of its HSA innovation for U.S. government customers. These solutions include:

- Standardized Airborne ARINC 791-conforming installation solution for faster, easier and more cost-efficient technology upgrades while delivering a common solution across entire fleet(s) of aircraft
- A universal Roll On/Roll Off (RORO) system for the in-vehicle equipment that can be moved between HSA enabled aircraft for fleet flexibility and sustainment
- New BLOS as a Service models that include aircraft integration, hardware, multi-network/constellation service, repair activity and sparring are in development

## **Contact Us**

Contact Viasat Government today to learn how our Hybrid SATCOM Architecture approach can support your agency.

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