



BUILT TO EVOLVE

Connectivity for government aviation

Connect without compromise

In government aviation, reliable connectivity isn't optional — it's mission-critical. Yet maintaining secure, high-performance communications across diverse environments has long required tradeoffs.

Fragmented coverage can cause service disruptions across regions. Fixed bandwidth supply can't keep pace with demand. And large, costly systems make fleet-wide integration challenging. A one-size-fits-all approach simply doesn't work.

Viasat removes these constraints. Our aviation capabilities integrate multi-band services, multi-orbit networks, and intelligent orchestration into one unified solution. The result: resilient, adaptive connectivity that delivers seamless performance across every mission, environment, and airframe — on your terms.

Our solutions serve:



Fixed wing

Connectivity capabilities include persistent global coverage, secure data exchange, and scalable bandwidth to enable situational awareness, real-time collaboration, and mission data backhaul across all phases of flight.



Unmanned Aerial Systems/Vehicles (UAS / UAV)

We support beyond visual line of sight and extended endurance unmanned operations with reliable command and control connectivity and efficient data transmission. Services are optimized for SWaP-constrained platforms.



Rotary wing

Our reliable connectivity enables real-time voice, video, and data sharing between air and ground teams, supporting rapid decision making in time-critical scenarios for search and rescue, law enforcement, disaster response, and special operations.

One network. Mission-focused flexibility.

Viasat delivers a unified, adaptable connectivity approach that scales with mission complexity. This ensures today's operational requirements are met while enabling the capabilities needed for the future.

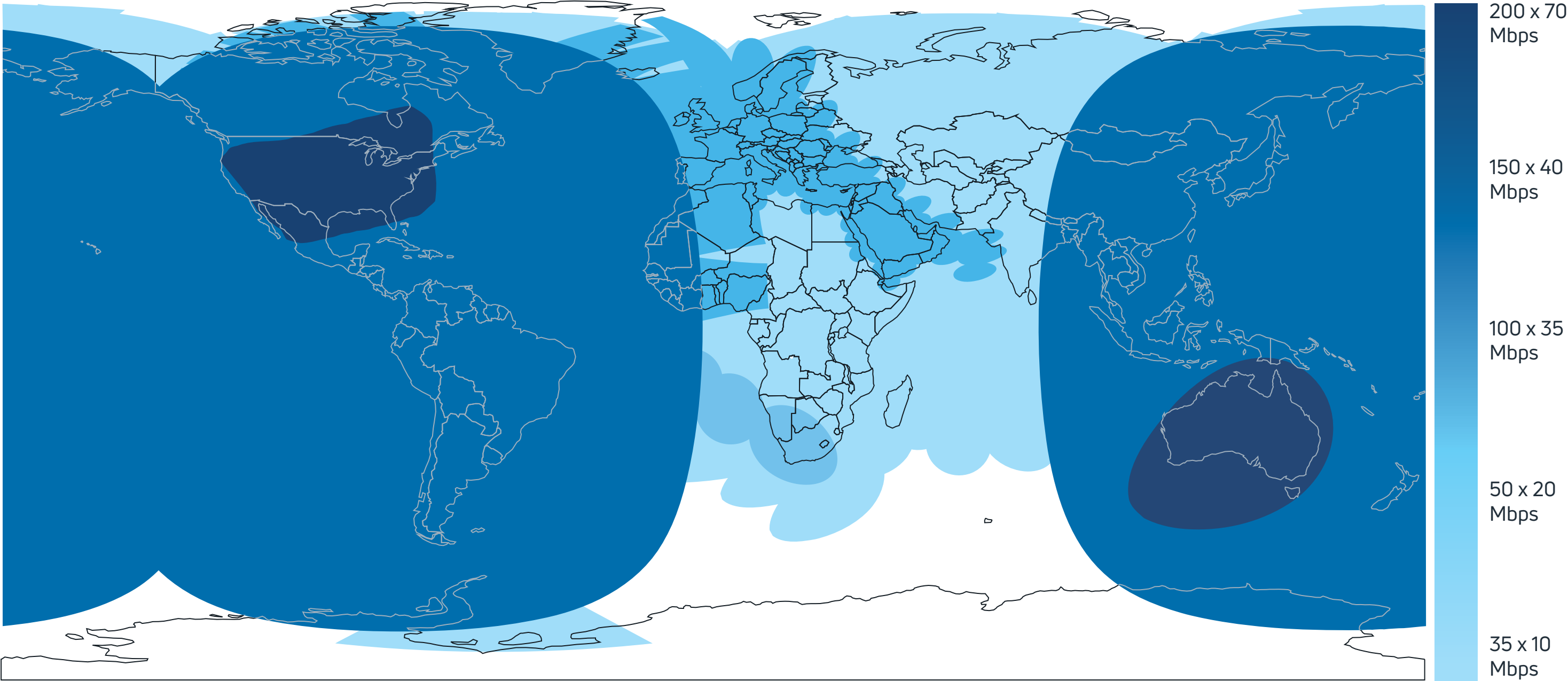
Broadband connectivity

Viasat’s global satellite network provides continuous, high-availability communications across continental, oceanic, polar, and remote regions. Engineered for defense, civil, and special missions, our network provides seamless connectivity for ISR, command and control, and executive transport, backed by intelligent traffic management.

Multi-band, multi-orbit expansion

To meet growing demand, we are expanding our NextGen Ka network architecture. Through strategic partnerships with LEO providers like OneWeb and Telesat, we offer a deeply integrated ecosystem that provides assured, highly resilient connectivity worldwide.

Viasat NextGen Ka coverage



For illustrative purposes only. Coverage is approximate and subject to change. Not representative of any single product or service. Data rates shown are based on a 45cm equivalent antenna.

A broadband terminal for every mission

Viasat offers a comprehensive portfolio of broadband terminals engineered to meet the unique physical and operational demands of government aviation, enabling high-performance connectivity across a wide range of airframes.

To keep pace with evolving mission requirements and network advancements, our terminals are fully software upgradeable. Updates can be seamlessly delivered over-the-air (OTA) or applied locally to accommodate specific customer preferences and security protocols, equipping your fleet with the latest capabilities without requiring hardware replacements.



			
	Hybrid SATCOM Approach (HSA)	GAT-5710 (VGX30) GAT-5510 (G-12)	GAT-5518 (G-18)
Antenna type	ARINC 791/792 fuselage-mount	30-cm parabolic tail/hatch-mount	45-cm parabolic tail or fuselage mount
Band & orbit	1-3 bands Ka, Ku, L, X* multi-orbit	Ka multi-orbit	Ka multi-orbit
FL/RL	Up to 200 x 70 Mbps	Up to 150 x 50 Mbps	Up to 200 x 70 Mbps
*Future waveform Note: Other terminals are available through our partners Honeywell, Satcom Direct, and ThinkKom.			

Terminals include:

- › Anti-jam, secure boot security
- › Compatibility with future Ka capacity
- › Third-party modem support
- › Automated network orchestration
- › WGS certification in progress by configuration
- › Mil-Ka support



L-band connectivity

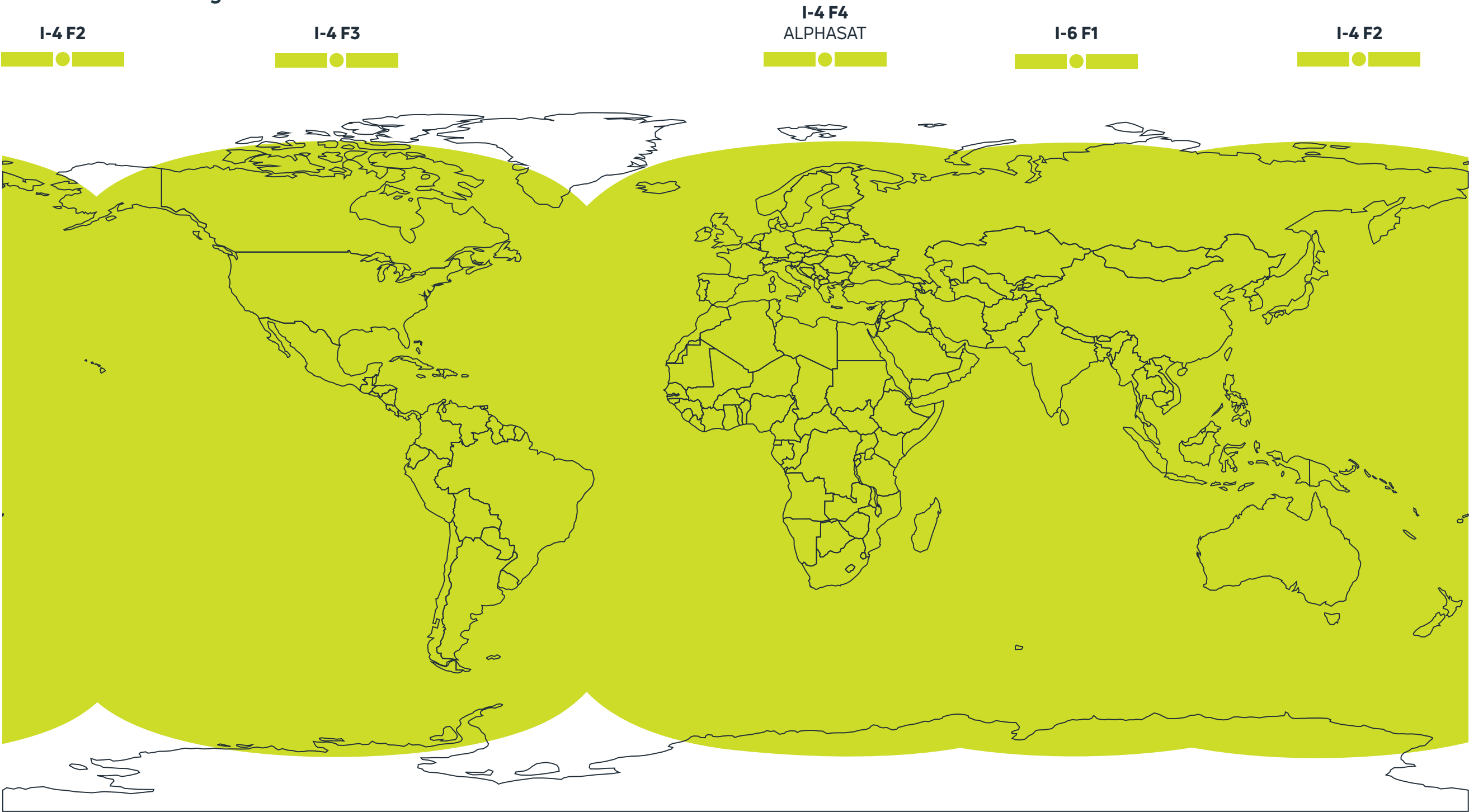
Premium lease services for critical missions

Engineered for missions demanding dependable performance, our bespoke lease services provide dedicated spectrum capacity for reliable, low-latency throughputs into the low Mbps, tailored to your exact operational footprint. Crucial for contested environments, these services operate independently of GPS and route strictly segregated data through our secure MPLS network for flexible global delivery. These advanced capabilities are supported by our L-band ultra-lightweight terminals, for highly constrained platforms.

Scalable subscription services for global coverage

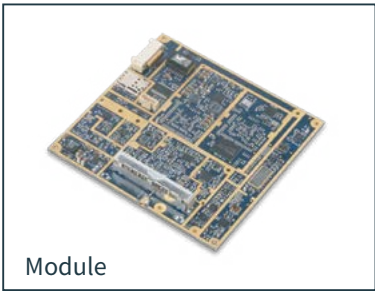
For operations requiring connectivity across dozens of platforms simultaneously, our subscription services offer a highly scalable and cost-effective solution. Utilizing standard spot beams and shared network capacity to provide reliable background IP connectivity up to 200 Kbps, this is the ideal choice for large fleets that need consistent, global coverage for standard communications, tracking, and logistics without the premium cost of dedicated spectrum.

Viasat current L-band coverage

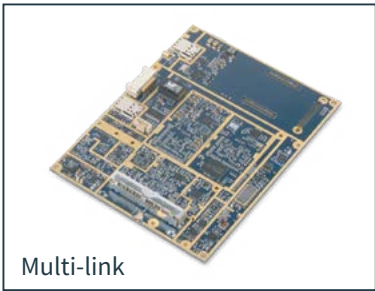


L-band terminals

Our L-band airborne terminals provide secure, resilient, and flexible communications for mission-critical government operations. These compact, low-power, lightweight units provide a dependable command and control (C2) link, enabling continuous communication even in challenging environments.



Gotonomi Module
195g



Gotonomi Multi-link
245g



**Gotonomi 200
A-Omni Antenna**
240g



Gotonomi V200
(Integrated terminal)
580g



LAISR-LW 4035
5.4lbs



LAISR-LW 4040
7.9lbs

Low SWaP / shared network			High data rate / dedicated network		
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Kbps (low)
Command & control (C2)
SwiftBroadband (off-the-shelf)

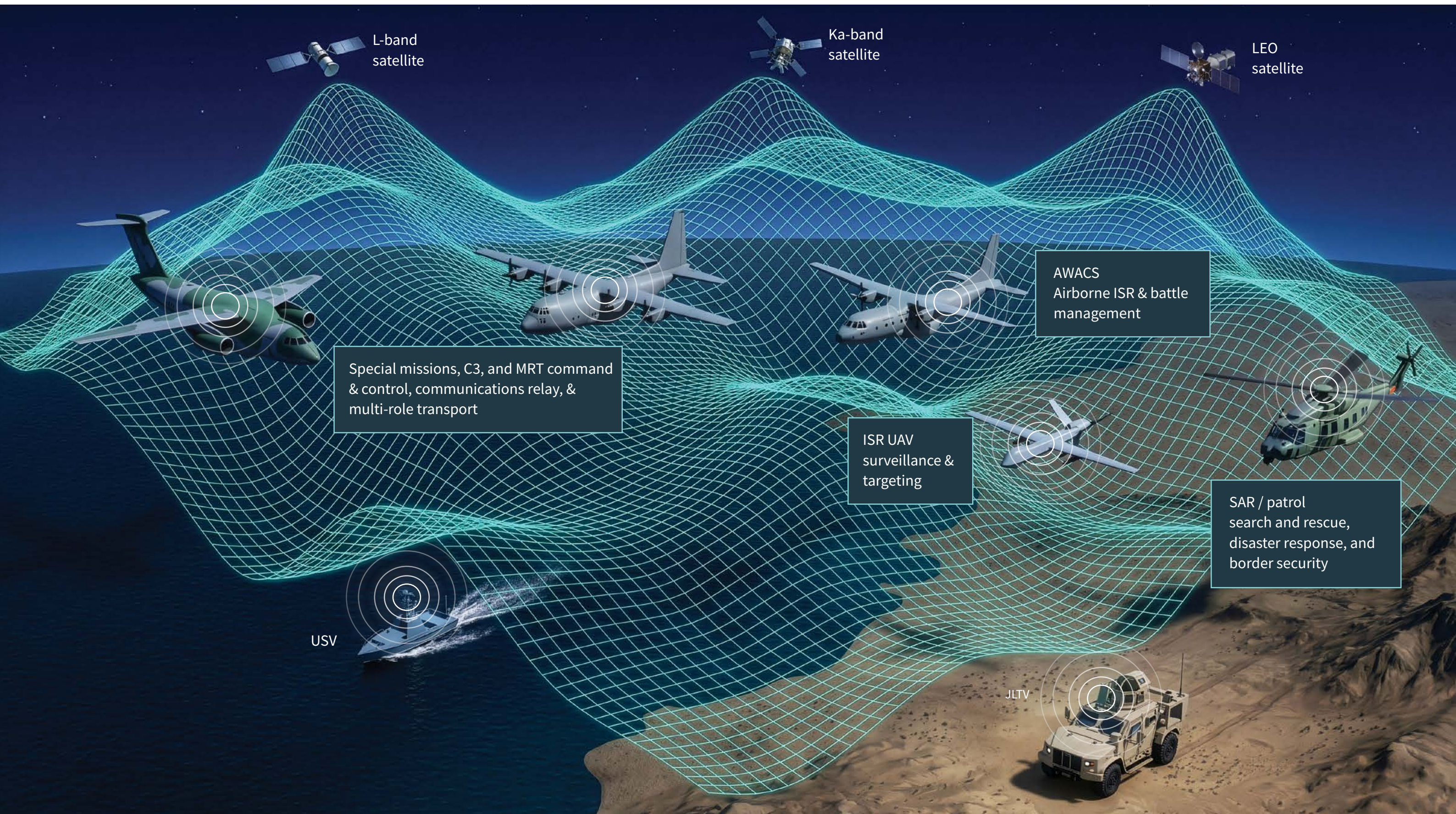
Mbps (high)
Full-motion video (FMV)
LAISR (bespoke / tailored)

Resilient multi-domain operations

Built-in resiliency

Viasat keeps your communications secure and operational in critical moments through:

- › Jam-resistant connectivity for highly contested airspaces
- › Link redundancy and built-in architecture, supporting automated Primary, Alternate, Contingency, and Emergency (PACE) for secure communications
- › Tactical edge networking for real-time, multi-domain decision-making
- › Comprehensive cryptography to protect sensitive coalition data



Multi-band/network/orbit connectivity

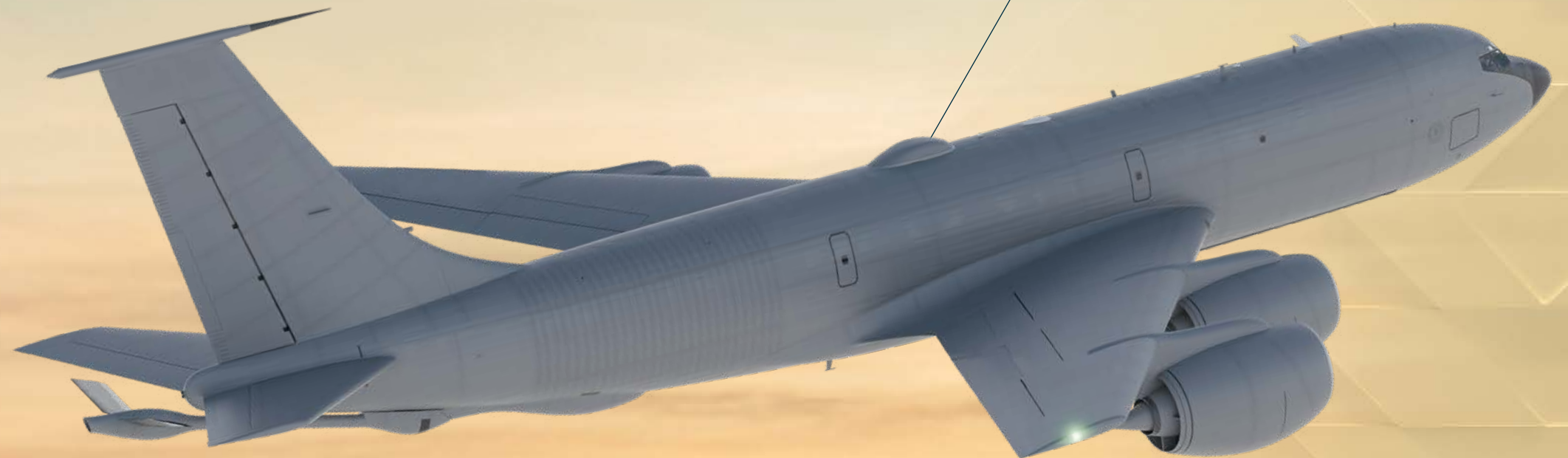
Global agility & resilience

Viasat's Hybrid SATCOM Approach (HSA) delivers the flexibility, interoperability, and resilience required for global missions. By seamlessly connecting to the best available network across GEO, MEO, and LEO orbits, HSA meets today's operational needs and scales for tomorrow.

- › **Unmatched connectivity:** Ku- and Ka-band BLOS, global cellular-like roaming, and support for up to three antennas (LEO Tile, Ku/Ka, L-band, MUOS).
- › **Mission resilience:** Automated Primary, Alternate, Contingency and Emergency (PACE) and environmental threat monitoring for contested environments.
- › **Future-forward design:** A modular adapter plate utilizing the industry-standard ARINC 791/792 layout and Open Manufacturing Language (OML).

Platform compatibility & integration: Supported by our comprehensive aircraft engineering services, FAA STC-approved structural designs are available for a wide range of aircraft (pending HSA integration approval):

- › **Widebody:** Boeing 767/777 series, Airbus A330 series
- › **Narrowbody:** Boeing 737/737 MAX/757 series, Airbus A319/320/321 series
- › **Active programs (expected Q4 2026):** Embraer C-390 (line-fit), Airbus A330 MRTT+ demonstrator (retrofit/line-fit), Boeing KC-135 (retrofit), and C-130J (line-fit).



Network orchestration

While the Hybrid SATCOM Approach provides the physical architecture for resilient connectivity, Viasat's Multi-Network Orchestration (MNO) delivers the intelligence to manage it. MNO brings simplicity and interoperability to complex multi-orbit, multi-band, and multi-vendor environments. Integrated directly within an HSA installation, MNO serves as the primary interface for situational awareness and command and control offering fully automated, human-in-the-loop and human-on-the-loop operations.

Fully software-defined, MNO continuously monitors link performance, accounts for coverage and regulatory boundaries, and orchestrates based on environmental threats like cyber risks, and electromagnetic interference (EMI) to ensure optimal connectivity with minimal disruption.

Additional benefits include:

- › Unified management that integrates and visualizes networks, terminals, modems, and antennas from any provider into a single, intuitive interface
- › Elimination of unnecessary steps and reduced training demands, enabling users to remain connected and informed in the toughest situations
- › A fully-featured, standards-based API for rapid integration into existing architectures, customer-owned portals, and operational systems

Intelligence at the ready

True mission resilience requires intelligent software that transforms complex, multi-orbit networks into actionable insights. Viasat's intuitive, interactive interfaces bring operators real-time visibility into network status, coverage, threats, and performance—across the edge and enterprise. At the tactical level, built-in alerts, policy overrides, and human-in-the-loop controls keep decisions fast, and missions aligned.

By proactively anticipating communication changes and continuously monitoring system health, operators maintain complete control and uninterrupted mission continuity wherever they fly.



With Viasat, your mission always comes first

We're here to be your dedicated mission partner. From initial network engineering and custom service design to ongoing operations, we support our customers at every touchpoint. Our global service teams and cleared field personnel provide direct, value-added support tailored to government requirements.

The result is secure, resilient connectivity supported by a partner who adapts to your aircraft, your mission, and your operational environment.

Connect with us
Viasat.com/Air



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