Inmarsat Global Xpress®
Global, Mobile, Trusted.
The New Standard in Mobile Satellite Communications

As a long-trusted partner of the U.S. government sector, we know it’s not about satellites, switches and terminals. It’s about worldwide coverage, reliability and the ability to redeploy easily anywhere, anytime. And—not least of all—it’s about cost.

That’s why Inmarsat designed Global Xpress as a seamless, affordable, wideband service. Built on a flexible platform, and using a new constellation of Inmarsat Ka-band satellites, it will sustain your flow of secure, high-performance communications—with assured access even in remote and distressed locations.

You’ve always faced trade-offs: Coverage for bandwidth. Speed and reach for cost. Flexibility for security. That has now changed—Global Xpress isn’t so much a new service as a new way to think about wideband connectivity — everywhere!

Global Xpress brings you mobile, high-throughput capacity enterprise wideband with enhanced security and true worldwide reach—affordably. And adding to that affordability, you can transition to or integrate Global Xpress as a seamless refresh of your legacy platforms.

Behind Global Xpress lie the new Inmarsat-5 satellite constellation and robust terrestrial network with deployable user terminals. It’s a platform that will adapt to the demands of evolving, mobile operations like yours—for years to come.
Global Xpress
Changes Everything:

- Worldwide wideband coverage
- Seamless mobile roaming
- Interoperable with U.S. government Mil-Ka systems
- Steerable beams for flexible network capacity
- Redundant terrestrial infrastructure
- Smaller, easy to use terminals
- Customized solutions
Why Global Xpress?

Seamless Worldwide Mobility

Wherever the next mission arises, Global Xpress has you covered with a network that’s owned and managed 24/7/365 solely by Inmarsat, the U.S. government’s number one provider of mobile satellite services. Purposely designed for mobility, Global Xpress will provide a continuous, consistent service as traffic is handed seamlessly across each spot beam. Inmarsat-5 F1, the first of our new-generation satellites was launched in December 2013, and Global Xpress entered into commercial service providing critical communication services in Europe, the Middle East, Africa and Asia in July 2014. Full worldwide coverage is expected to take place by the end of the first half of 2015.

Consistent Higher Performance

Because Global Xpress users are always near the peak of one of our worldwide beams, Global Xpress delivers consistently higher performance than any other solution in the market. And when there are surges in demand, Global Xpress can direct its spot beams to provide more local bandwidth than any other commercial satellite system. Global Xpress provides a high quality of service that is guaranteed to support the most critical government missions today and in the future.
Inmarsat Reliability

Inmarsat is the gold standard for safety services – we have been operating the most reliable commercial mobile satellite communication network for over 35 years, and quality of service is fundamental to our business. When Global Xpress is complemented in a hybrid offering by our L-band services on the Inmarsat-4s, which deliver over 99.9% network availability, the combined capability offers a unique blend of high throughput as well as the industry’s highest all-weather availability. Inmarsat offers the only network that combines the best mobility technologies – in Ka-band and L-band, and underpins them with a global, fully redundant ground infrastructure.

Affordable

Global Xpress is a cost-effective approach to wideband. It enables access to high-performance Ka-bandwidth through less-expensive compact terminals at a lower cost than existing VSAT service. And because we custom fit a communication solution for you, you’re not buying more capability than you need.

Wide Range of Compact Terminals

Global Xpress delivers wideband data rates through compact and affordable terminals. A broad portfolio of terminals is available from industry-leading manufacturers for expeditionary, aero and maritime environments in both commercial and military form factors.
Built with Government Users in Mind

Interoperable

Global Xpress is the only worldwide commercial satellite network that’s interoperable with MILSATCOM Ka-band networks. Built purposely with government users in mind, our worldwide service seamlessly complements the Wideband Global SATCOM (WGS) network allowing the U.S. government to cost-effectively augment its system when needed, without any up-front commitment. Our High Capacity Military (HCM) capability makes it easy for the military to supplement their satellite capacity for training, en route communications and mission support, using existing WGS-certified terminals.

Highest Security Standards

The Global Xpress network baseline supports government systems accreditable to U.S. Mission Assurance Category (MAC) level III, with secure gateways and satellite commanding. Global Xpress secure enclave supports enhanced security solutions up to MAC level I, separating government and commercial traffic. We employ a dedicated cyber security team, land and route our traffic only through allied countries and data and signaling are encrypted to the highest standards.

End-to-End Solution

Global Xpress is built on Inmarsat’s unrivaled worldwide satellite and terrestrial infrastructure. We, together with our trusted partners, ensure you have the capacity you need when and where you need it.
Applications enabled by Global Xpress:

- Manned/unmanned Airborne Intelligence, Surveillance and Reconnaissance (AISR)
- Government maritime
- Live full-motion video
- Operational theatre backhaul
- Tactical communications
- Video teleconferencing
- Command and Control (C2)
- Situational awareness
- Battlefield Information Systems
- Broadband IP network interconnectivity
- IP multicast
- Disaster recovery
- Emergency response
Interoperable with MILSATCOM

Focused feeder links to trusted, redundant gateways for resilient global access
**Government Users**

- **Maritime**
  - Steerable antenna resources support squadron movement anywhere in the satellite field of view

- **Communications on the Move (COTM)**
  - Steerable antennas support very high-rate connectivity to compact COTM terminals

- **Forward Operating Base (FOB)**
  - Inmarsat wideband channels provide major trunking or protected capability using existing WGS-certified terminals

- **Airborne**
  - Inmarsat high-performance wideband channels support high-speed AISR connectivity
Global Xpress Government Subscription Service

Global Xpress Government Subscription Service (GSS) is a managed service that offers wideband satellite access and consistent performance worldwide. GSS is a plug-and-play service that is customizable based on explicit mission requirements, such as specific uplink and downlink data rates for each terminal in the network. Assured Global Xpress GSS bandwidth will be delivered worldwide with burstable information rates, against which a service level agreement is provided.

With Global Xpress GSS, users have access to the only worldwide Ka-band network that offers regional or global coverage and full mobility throughout subscription plan areas. The service is ideal for communications-on-the-move platforms that require seamless beam-to-beam handover, a feature that is not readily supported on legacy patchwork VSAT systems. In addition, we offer satellite capacity that can be steered to meet wideband requirements whenever and wherever needed.

Global Xpress Lease Service

Global Xpress Lease Service allows U.S. government customers to purchase satellite capacity on a power- and bandwidth-equivalent basis and manage their own independent network, thereby, increasing operational flexibility when new, time-sensitive missions arise. The service is delivered via the steerable beams operating in military Ka-band frequencies and can be terminated at the customer or Inmarsat’s ground station.

U.S. government customers need access to reliable Ka-band capacity even when they are not within the footprint of the WGS system. Global Xpress is built to meet U.S. government requirements and security standards and is the only worldwide Ka-band commercial satellite network that is fully interoperable with WGS. Global Xpress seamlessly supports any U.S. Department of Defense-certified waveform and terminal that operates over WGS Ka-band network.

We can meet the most stringent security requirements for classified information with
Global Xpress Lease Service by hosting customer-specific technology and equipment in secure rooms built at each of our satellite access stations (SAS). Global Xpress secure enclave provides for the termination and transport of sensitive government data on a path that is physically separated from commercial traffic. It also incorporates the Spectrum Interference and Monitoring System (SIMS), a robust monitoring solution based on U.S. government technologies that measure carrier performance and RF interference. Our dedicated, U.S.-based Global Xpress secure enclave Network Operations Security Center (NOSC) maintains 24/7/365 hands-on control and provides round-the-clock coverage to take on any issue with a single call.
About the Inmarsat U.S. Government Business Unit

Inmarsat is a trusted provider of global, mobile satellite communication services that meet the mission-critical needs of the U.S. defense, intelligence, homeland security and civilian organizations. Since 1979, Inmarsat has delivered highly reliable, secure and affordable satellite services that satisfy expeditionary, maritime and aeronautical communication requirements anytime, anywhere.

The Inmarsat U.S. government business model reaches the market through value-added resellers, partners and service providers who enhance its services with specialized solutions government users need. For more information, please visit inmarsat.com/government.

How to Buy

Our services are available globally through Inmarsat U.S. government value-added resellers, distribution partners and service providers. To learn more, please visit inmarsat.com/partners.