



 Trusted Mobile Communications  
for the U.S. Government

# 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 sustains 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, Global Xpress provides the desired flexibility and cost-efficiency, allowing government users to augment their Mil-Ka systems when needed, without any up-front commitment.

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.



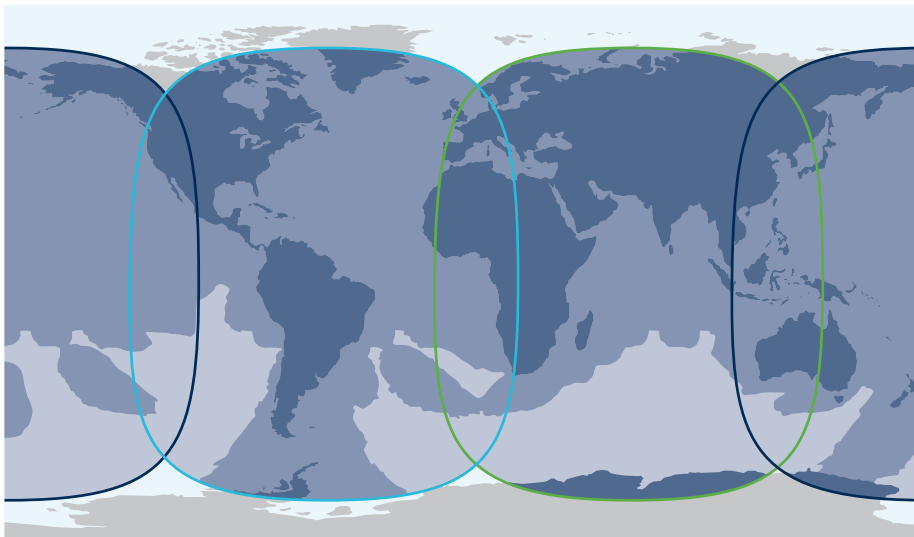
## Global Xpress Changes Everything:

- > 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 provides a continuous, consistent service anywhere in the world - on land, sea and air as traffic is handed seamlessly across each spot beam.



□ I-5 Atlantic Ocean Region

□ I-5 Indian Ocean Region

□ I-5 Pacific Ocean Region

■ Global Xpress network available over at least 99% of this area

■ Extendable Global Xpress coverage via steerable beams

## 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 our ability to deliver Global Xpress as an end-to-end managed service often means additional cost savings for government users as well.

## Wide Range of Compact Terminals

Global Xpress delivers wideband data rates through compact and affordable terminals. A broad selection of easy-to-use terminals is available in mobile, portable and fixed formats from industry-leading manufacturers for expeditionary, aero and maritime environments in both, commercial and military form factors.



# Built with Government Users in Mind

## Interoperable

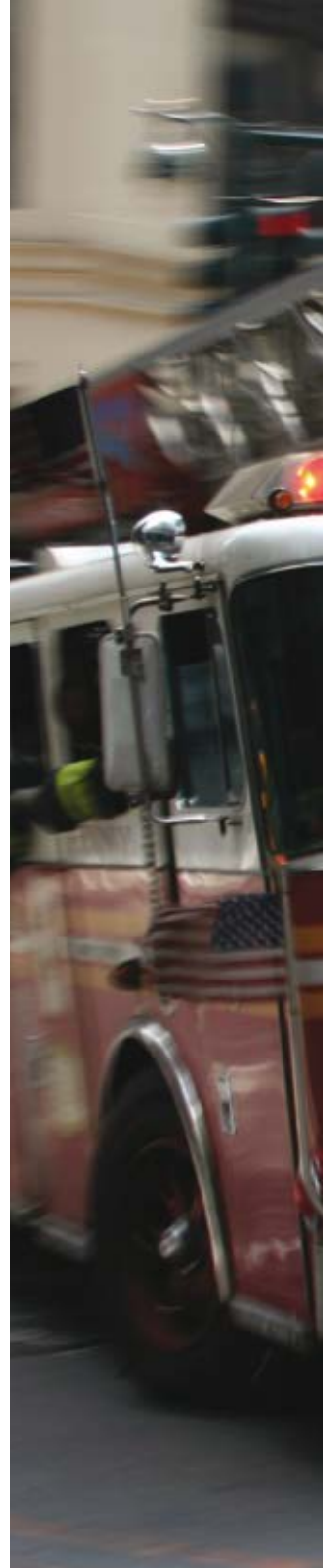
Global Xpress is the only worldwide commercial satellite network that is fully interoperable with MILSATCOM Ka-band networks. Built purposely with additional capabilities specific to government and military users, our worldwide service seamlessly complements the Wideband Global SATCOM (WGS) network and allows government users to supplement their capacity using existing WGS-certified terminals. Global Xpress provides the desired flexibility and cost-efficiency, allowing the U.S. government to augment its system when needed, without any up-front commitment.

## Cybersecurity best-practices

Inmarsat's U.S. government users can trust that our secure network infrastructure provides reliable assured access that is built to meet cybersecurity best-practices and is supported by a dedicated cybersecurity team. Global Xpress commercial services and infrastructure are built to meet U.S. DoD 8500 Mission Assurance Category (MAC) level III/ National Institute of Standards and Technology (NIST) 800-53 Low Assurance standards. Global Xpress secure enclave and network can be built to meet higher security standards requirements

## 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.

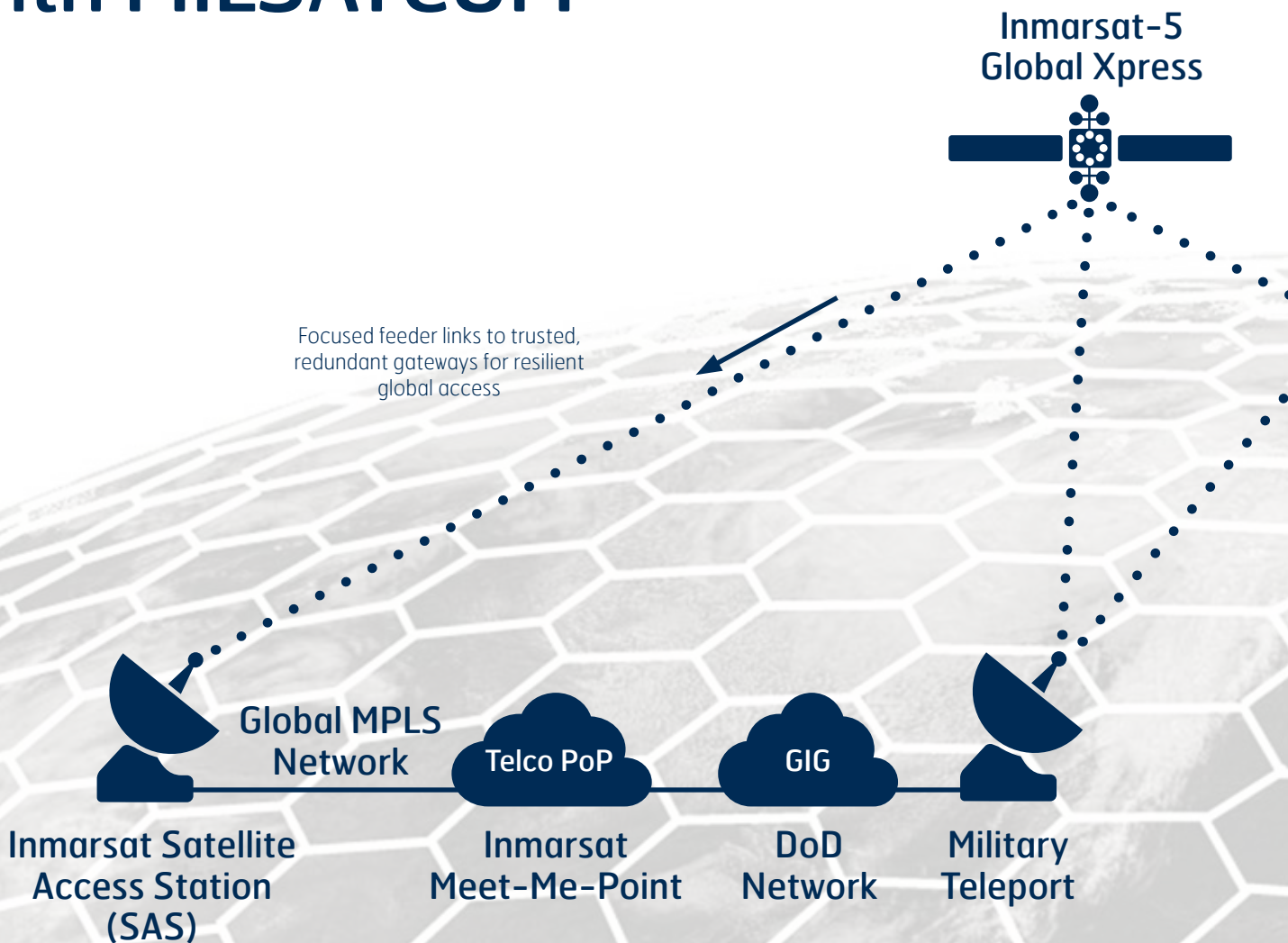




## Applications enabled by Global Xpress:

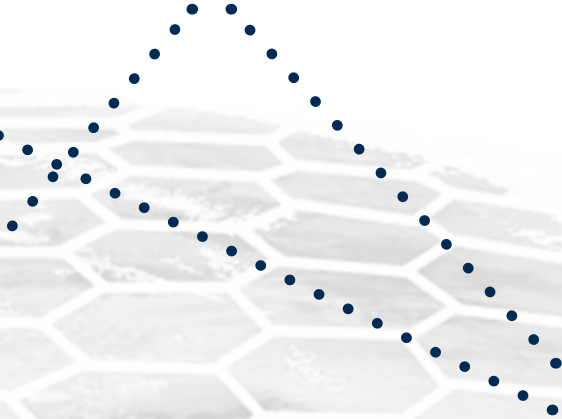
- > Manned/unmanned Airborne Intelligence, Surveillance and Reconnaissance (AISR)
- > Live full-motion video
- > Operational theatre backhaul
- > Tactical communications
- > Video teleconferencing
- > Command and Control (C2)
- > Situational awareness
- > Battlefield Information Systems
- > IP multicast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

# Interoperable with MILSATCOM





# MILSATCOM

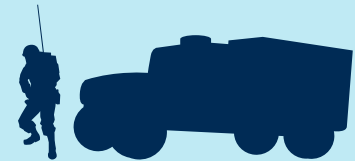


## Government Users



### Maritime

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



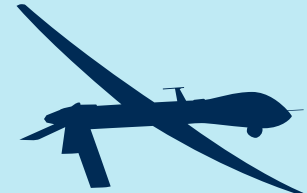
### Comms on the Move (COTM)

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

# Available via ‘Satcom as a Service’ or Mil-Ka lease

## Global Xpress ‘SATCOM as a Service’

Global Xpress is provided as an end-to-end managed service everywhere – delivered by an ecosystem of our world-renowned partners. This unique ‘SATCOM as a Service’ capability offers globally mobile high-throughput connectivity the way you need it: simple, affordable and operationally available – anywhere, anytime.

Global Xpress terminals are easy to use and provide committed information rates throughout the world. Today’s highly mobile wideband military users need more than “up to” data rates to support their operations. Global Xpress delivers guaranteed, “at least” data rates for individual mission requirements at a moment’s notice. Global Xpress terminals connect to the world’s only global Ka-band service, built from the ground up to service government end users and their critical mission needs.

## Global Xpress Mil-Ka lease

Global Xpress high capacity beams operating in the military Ka-band allow NATO and AUSCANZUKUS users to access and control wideband capacity as part of their own independent network, in the same frequency band as national systems like WGS.

On the ground, in the air or at sea, DoD users can steer their capacity anywhere in the world to augment their WGS coverage. They can connect their same mil-Ka SATCOM terminals, using any DoD-certified waveform, to the same destined Point of Presence, or through Inmarsat-provided Global Xpress secure gateways.





# 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/global-xpress-us-government](http://inmarsat.com/global-xpress-us-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](http://inmarsat.com/partners).