



ISR SOLUTIONS

INMARSAT GLOBAL GOVERNMENT
COMMUNICATIONS MADE CERTAIN



MISSION FIRST.
CONNECTIVITY ALWAYS



FUTURE PROOF YOUR ISR ROADMAP WITH INMARSAT

Intelligence, Surveillance and Reconnaissance (ISR) systems are integral to the ultimate success of both military and civil operations. The timely delivery of the information gathered in the field is critical to mission success.

A critical component of your ISR plan is the strength of the relationship between the many organisations involved in the design, acquisition and operation of these systems. When you partner with Inmarsat in the design and delivery of your ISR architecture, you ensure that the planning, processing, exploitation and dissemination of critical information is fully integrated and efficiently shared amongst all assets, helping with the success of your mission.

One of the challenges in developing an ISR roadmap is that ISR technologies are never static. Committing to a rigid plan would inhibit the ability to utilise new technologies as they arise and render your plan dated before it even deploys.

However, with Inmarsat as your ISR partner, not only will you have access to the very latest in satellite communication technology and networks, but our in-house solutions engineers are constantly sourcing the latest in applications and systems to ensure that you are

kept up to date with the latest, most efficient ISR technologies from collection to analysis to distribution.

Remote or unattended land, maritime or air-based ISR operations can be enhanced by linking them over the I-4 network directly to tactical units, deployed or national HQ, enabling more rapid access to live motion video, still imagery or other sensor products.

INMARSAT NETWORK

Inmarsat's capabilities are growing as innovation and demand for data increases. Our network programs continue to meet today's needs, whilst also preparing to equip the government requirements of tomorrow. By enhancing our current services and expanding into the world of Global Xpress we are committing that our network capability will continue to grow with your operational requirements. Inmarsat is your network for the future.

INMARSAT I-4 DELIVERS:

Standard IP

For email, Internet and intranet via a secure VPN connection, at speeds of up to 492kbps over a shared channel.

Streaming IP

Guaranteed data rates on demand up to 384kbps. Choose your required data rate on a case-by-case basis, depending on your chosen application. Also supports ISDN at 64kbps.

Voice

Make phone calls at the same time as accessing your data applications. Voicemail and other standard 3G mobile supplementary services are also available.

Text

Send and receive text messages via your laptop – up to 160 characters – to or from any mobile phone.

YOUR COMMUNICATIONS LINK

The separation of land, sea and air operations has fallen away and communications that enable interoperability have become increasingly important. Inmarsat provides the crucial communications link.



ON THE GROUND

BGAN is accessible through a range of compact, highly portable terminals with performance options to suit your ISR needs in remote or congested locations. Standard terminals are highly portable and robust enough to withstand challenging environments and weather conditions.



ON THE MOVE

Vehicular comms-on-the-move systems comprise an interior rack-mountable terminal and roof-top tracking antenna delivering real-time, high speed connectivity during fast moving operations.



AT SEA

FleetBroadband is available through three types of terminal, differing in size and performance capability. All terminals are designed specifically for the maritime environment and support a range of off-the-shelf software, as well as specialised user applications.



IN THE AIR

SwiftBroadband terminals are mounted inside the aircraft and utilise existing high-gain Aero H+/Swift 64 antennae, if present. Smaller, lighter units are available for UAV applications.

**INMARSAT:
WHEN YOU NEED
INSIGHT, NOT
JUST AIRTIME**





No matter how fast, secure and reliable your communications link, your ISR system is dependant on a complete answer - not merely a list of components. Inmarsat works with local partners, end-users and leading technology providers to deliver world-class ISR solutions.

UNMANNED UAVS

UAVs are increasingly being used for intelligence, surveillance and reconnaissance missions. Current developments in satellite technology have seen Inmarsat services being utilised on these very small airframes to an ever-growing extent. We have worked with partners to develop bespoke satellite-based communications solutions that allow ISR activities to be rapidly relocated and deployed as necessary within a broad area of operations.

AN EYE ON HOTSPOTS

Inmarsat has access to a number of advanced surveillance technologies that enhance situational awareness and deliver real-time intelligence. The Tristar solution from Digital Barriers is such a technology currently in use today supporting the operation of governments and enforcement agencies all over the world. These solutions protect high profile locations such as borders, airports, military bases, oil and gas facilities and public transportation systems.

INMARSAT L-TAC

Utilising your existing in-service tactical radios to provide Beyond Line of Sight Communications, Inmarsat's L-TAC service offers the unique capability to provide single-hop L-L band relay from a global constellation of geostationary satellites. The service complements existing UHF channel availability over a leased L-band channel to provide reliable voice and data connectivity independent of local infrastructure.

GLOBAL INTEROPERABILITY

With a global constellation of satellites, highly reliable connectivity, seamless mobility and secure communications links, the Inmarsat satellite network allows your ISR architecture to operate across your air, land and sea assets, thus maximising your operational effectiveness.

KEY SERVICE FEATURES

GLOBAL COVERAGE



BROADBAND DATA AND VOICE



NEAR-INSTANT CONNECTIVITY

MOBILE, QUICK TO DEPLOY AND EASY TO USE



COMPACT, LIGHTWEIGHT TERMINALS

STANDARD, INTUITIVE INTERFACE



RELIABLE NETWORK AVAILABILITY



INTEROPERABLE AND FLEXIBLE



HOW TO BUY

Inmarsat products and services are available through select Inmarsat distribution partners and service providers.

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