Broadband for a mobile planet™

bgan | inmarsat

Introducing the Broadband Global Area Network

Inmarsat's Broadband Global Area Network – BGAN – is the world's first mobile communications service of any kind to provide both voice and broadband data simultaneously through a single, truly portable device on a global basis.

It is also the first mobile communications service to offer guaranteed data rates on demand.

In today's challenging military and security environment, broadband access is now taken for granted.

But for deployments to more remote locations, accessing the enterprise network or the Internet often means a return to slow dial-up connections, or worse still, no access at all.

With Inmarsat's BGAN service, you can set up a broadband mobile office in minutes – wherever you are on the planet.

Delivered via the world's most sophisticated commercial communications satellites, BGAN provides affordable, mobile broadband services at speeds up to half a megabit through highly portable, easy to use terminals.

Military and government personnel and other established users of mobile satellite communications will welcome the superior performance and lighter load of BGAN.

In fact, any unit, no matter how big or small, wanting dependable, secure broadband access when deployed in locations with unreliable or no telecoms networks – can now reap the benefits of mobile satellite communications.

Set up a broadband mobile environment in minutes – wherever you are on the planet.

Enhancing communications and operational advantage

Global coverage

BGAN delivers seamless worldwide network coverage. Users are able to get broadband wherever they go – not just in major cities or at the airport. BGAN is accessible in Europe, Africa, the Middle East, Asia, North and South America.

Simultaneous voice and broadband data

With a single BGAN device, you can access data applications at speeds up to half a megabit and make a phone call at the same time. In a world-first for mobile services, you can also select guaranteed data rates on demand, with a choice of data rates to suit your application requirements. And to ensure bandwidth availability, network capacity can be re-directed to areas of heavy usage.
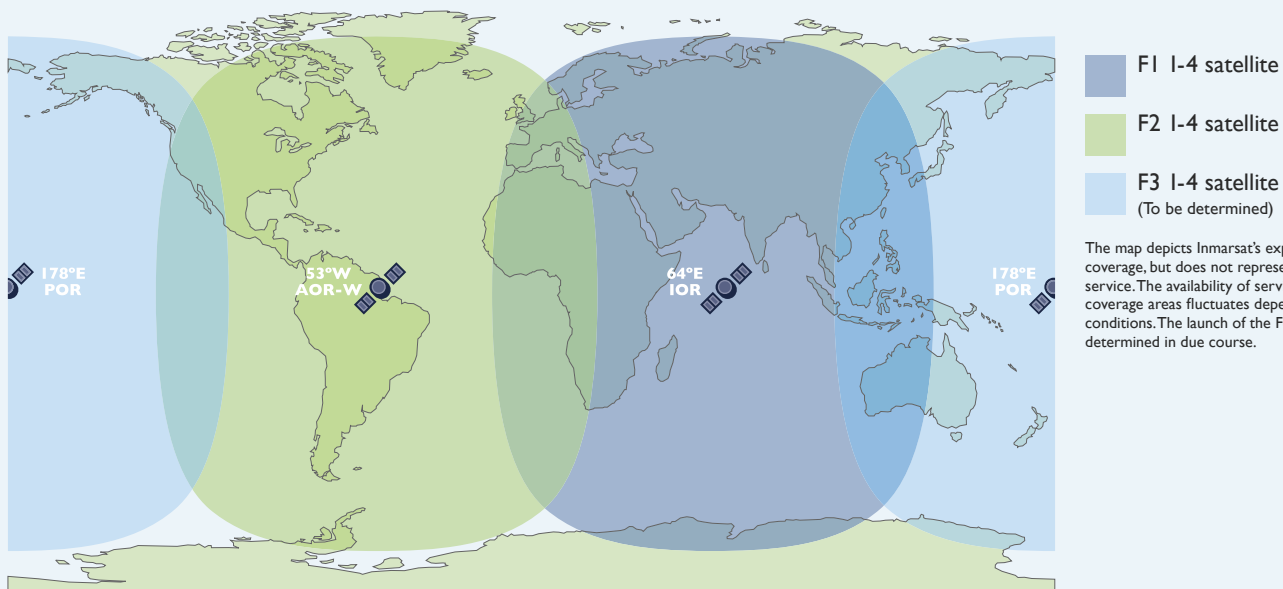
Highly mobile

BGAN terminals are compact, lightweight and ideal for rapid deployment. Vehicular terminals provide voice and broadband data on-the-move. A fully functional broadband environment can be set up in minutes.

Interoperability

BGAN supports the latest IP services, as well as traditional circuit-switched voice and data. Integrating seamlessly with your own enterprise networks, it supports legacy applications while providing a smooth upgrade path to IP. There are terminals for single users and small units, and the BGAN user interface can be customised according to your requirements.

Planned BGAN service coverage

178°E POR
53°W AOR-W
64°E IOR
178°E POR

F1 I-4 satellite

F2 I-4 satellite

F3 I-4 satellite
(To be determined)

The map depicts Inmarsat's expectations of coverage, but does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions. The launch of the F-3 satellite will be determined in due course.
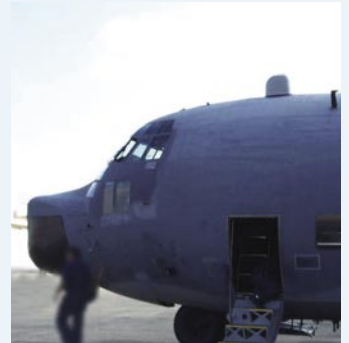
Trademark reliability

Inmarsat's name is synonymous with reliable communications, given our responsibilities in providing maritime safety services. The network capacity of our new satellites is 16 times greater than before, delivering a massive boost to an already highly available network. And the whole system is backed by 24/7 customer support from our partner organisations.

Easy to use

BGAN is designed for simplicity and ease of use. No specialist technical expertise is required to set it up and use it. It's easy to manage costs, because you can track service usage and charges in real-time. You can use the same device worldwide and the user interface is standard across all terminals. And there are never any compatibility issues with local telecoms networks, because you connect directly to the satellite.

Encryption support

Inmarsat has vast experience in providing secure communications to military and government customers. BGAN meets these exacting requirements and supports legacy voice and ISDN cryptos, as well as VPN products and government-approved type 1 cryptos.

Delivering a global broadband mobile environment

BGAN extends the boundaries of the broadband mobile office/environment that 3G services are beginning to deliver.

Data

With the Standard IP service you can access your enterprise network via a secure VPN connection at speeds up to 492kbps, to use e-mail and other office applications, browse the Internet and send large file attachments.

Streaming IP

For applications where quality of service is paramount, such as video teleconferencing (VTC) or time-critical data exchange, BGAN offers a Streaming IP service up to 256kbps on demand. You have the flexibility to choose the data rate on a situational or case-by-case basis, depending on your application. BGAN also supports ISDN.

Phone

With BGAN, you can make a phone call at the same time as accessing your data applications. You can use a standard desktop phone or connect to secure telephones such as STU IIB/III and STE. Voicemail and other standard 3G mobile supplementary services are also available.

Text

BGAN enables you to send and receive text messages via your laptop – up to the standard 160 characters – to or from any mobile phone.

BGAN terminals

BGAN is accessible via a range of small, lightweight satellite terminals, which provide performance options to suit different operational needs. Terminals can be connected quickly and easily to a laptop, or multiple laptops, via wired or wireless connections, depending on your choice of terminal.

The smallest terminals are designed to suit a single user, for whom portability is the primary concern. Larger terminals within the range offer higher bandwidth and are particularly suitable for small teams and units, which may need to establish temporary command posts for longer periods. Terminals can be used indoors and outdoors, being robust enough to withstand challenging environments and extremes of temperature. Vehicular terminals provide voice and broadband data communications on-the-move.

How to buy BGAN

BGAN is available through select Distribution Partners and Service Providers in more than 80 countries.

Access your enterprise network
at speeds up to 492kbps.

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Inmarsat: the world leader in global mobile satellite communications

Inmarsat has been developing, building and operating satellite networks for more than a quarter of a century. Through our commitment to innovation, we continue to introduce new technologies that redefine the standard for the industry. Our customers include major corporations and governments across the world and our name is synonymous with reliable, secure communications, no matter where you are on the planet.

With the introduction of BGAN, Inmarsat has once again established a new era in mobile communications.

The age of Broadband for a mobile planet™ has arrived.

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