

BGAN is the only mobile satellite service to offer broadband data – up to 492kbps – with simultaneous voice, through a single, truly portable device on a global basis. It is also the first service to offer guaranteed data rates on demand – up to 256kbps – for live video feeds and videoconferencing.



# Emergency response

## Transforming first responder communications



Inmarsat's Broadband Global Area Network service - BGAN - is set to transform emergency and disaster response operations with a compelling combination: voice and high-speed data, completely independent of terrestrial networks using small, highly portable terminals. BGAN provides communications *operability* from the first moment of a disaster response, even when terrestrial networks are disrupted. It also ensures *interoperability* for individual firefighters, police officers and emergency responders as they enter the disaster zone with different communications devices.

Whenever your first responders deploy, BGAN keeps them connected.

### Applications

- Broadband mobile command post: email, Internet, VPN, telephone
- Connectivity between individual first responders, mobile command posts and off-site leadership, including using their standard HF radios and cell phones
- Fixed or vehicular mobile command post: supporting multiple users from a single device via a WLAN
- Situational awareness using live video from isolated sites

### In-field equipment

- BGAN satellite terminal
- Handheld video camera
- BGAN voice handset
- Power adapters AC/DC, batteries, cables
- Laptop (MAC or PC)
- IP-based hardware and software interoperability solutions

## Key benefits

### Simultaneous voice and broadband data

- Quickly re-establish essential communications at a disaster zone, regardless of the state of terrestrial infrastructure
- Send status reports quicker in crisis situations
- Responders can speak to off-site leadership, while sending a live video update

### Reliable

- Continue rescue efforts unimpeded by disruption to terrestrial wireline and cell phone infrastructure
- Network capacity can be dynamically re-directed to areas of high usage
- Ensures bandwidth availability is maintained as other agencies enter the disaster zone

- Range of highly robust, satellite terminals to withstand challenging disaster environments

### Easy to use

- Quick and easy to set up and shut down
- No technical expertise required – enables connectivity for individual first responders

### Highly portable

- Easily carried in a backpack with other emergency equipment and transferred between locations within the disaster area
- Ideal for rapid deployment

### Flexible

- BGAN supports both ISDN and IP - compatible with US Defense Department encryptors - and supports wide range of IP-based interoperability solutions
- Vehicular version expected in late 2006,

providing on-the-move connectivity for smaller mobile command posts that fit in a standard garage

### Competitively priced

- Significantly lower costs for both terminals and airtime compared with previous mobile satellite services
- Can be deployed to more mobile teams, enabling real time communications from more locations - ensures the right assistance gets to the right place at the right time

### Global coverage

- Currently available across the lower 48 US states, Central and Eastern Canada. Worldwide coverage after the launch of the 3rd I-4 satellite.
- Deploy same device nationwide to all mobile teams

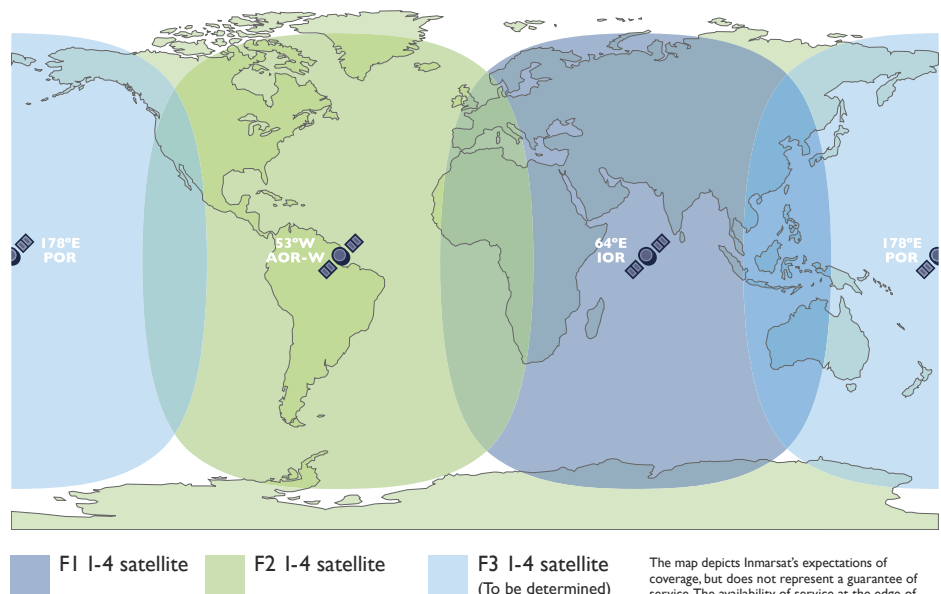


## How to buy BGAN

BGAN is available through select Distribution Partners and Service Providers in more than 80 countries. It is available through GSA and DISA contract vehicles. Visit our website to find the right partner for your organisation.

## Network coverage

BGAN is accessible in Europe, Africa, the Middle East, Asia, North and South America .



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.

[www.inmarsat.com/bgan](http://www.inmarsat.com/bgan)

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