



## Transforming first responder communications

BGAN is the only mobile satellite service to offer broadband data with simultaneous voice, through a single, highly compact device on a global basis. It is also the first service to offer guaranteed data rates on demand for live video streaming, videoconferencing and telemedicine. BGAN terminals can be used indoors and outdoors, being robust enough to withstand challenging environments and extremes of temperature. Vehicular BGAN terminals comprise a tracking antenna for mounting on the vehicle roof and an interior unit.



Inmarsat's Broadband Global Area Network service - BGAN - is transforming 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. First responders can send status reports, images and live video from the moment they arrive on site, enabling the immediate, effective co-ordination of

relief efforts – improving response times, which can ultimately save lives. If responders need to move between locations they can use vehicular BGAN to send emails and make calls while on the move.

BGAN also ensures interoperability for individual firefighters, police officers and emergency responders as they enter the disaster zone with different communications devices. So, whenever your first responders deploy, BGAN keeps them connected.

### KEY BENEFITS

- Broadband mobile command post: email, internet, VPN, telephony
- 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 and reassurance using live video from disaster sites.

### BGAN IN-FIELD EQUIPMENT

- BGAN satellite terminal
- BGAN voice handset
- Laptop (MAC or PC)
- Power adapters AC/DC, batteries, cables

## Key benefits

### Simultaneous voice and broadband data

- Quickly re-establish essential communications in a disaster zone, regardless of the state of terrestrial infrastructure
- Send status reports, images and video footage 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 compact

- Easily carried in a backpack with other emergency equipment and transferred between locations within the disaster area
- Vehicular interior units take up minimal space in the car, with a discreet tracking antenna mounted on the roof

### Flexible

- Compatible with sector-specific 3rd party peripherals e.g. interoperability bridging equipment/pico cells
- BGAN supports both ISDN and IP – compatible with US Defense Department encryptors – and supports a wide range of IP-based interoperability solutions

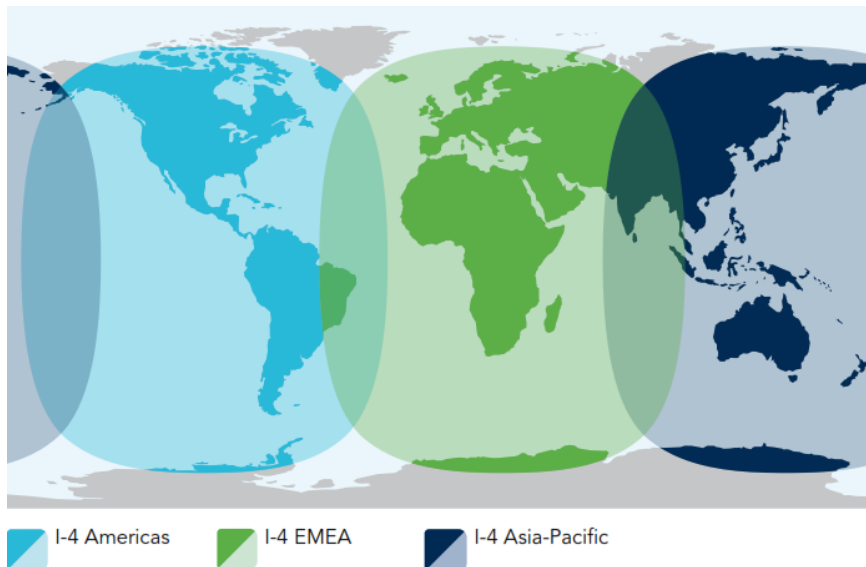
- There are terminals that enable an instant wireless LAN so that remote teams can share a single BGAN connection
- Vehicular version provides on-the-move connectivity for small mobile command posts and fits into a standard garage
- Can be used without a laptop interface

### 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

## Coverage

BGAN is accessible worldwide so connectivity for your first responders is assured.



This 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.