



# Emergency response

BGAN applications



## Transforming first responder communications

➔ BGAN is the only mobile satellite service to offer broadband data 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.

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. 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, 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 using live video from isolated sites

### In-field equipment

- BGAN satellite terminal
- BGAN voice handset
- Laptop (MAC or PC)
- Handheld video camera
- Power adapters AC/DC, batteries, cables
- 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 a wide range of IP-based interoperability solutions

- Vehicular version provides on-the-move connectivity for small mobile command posts and fits into a standard garage

### Competitively priced

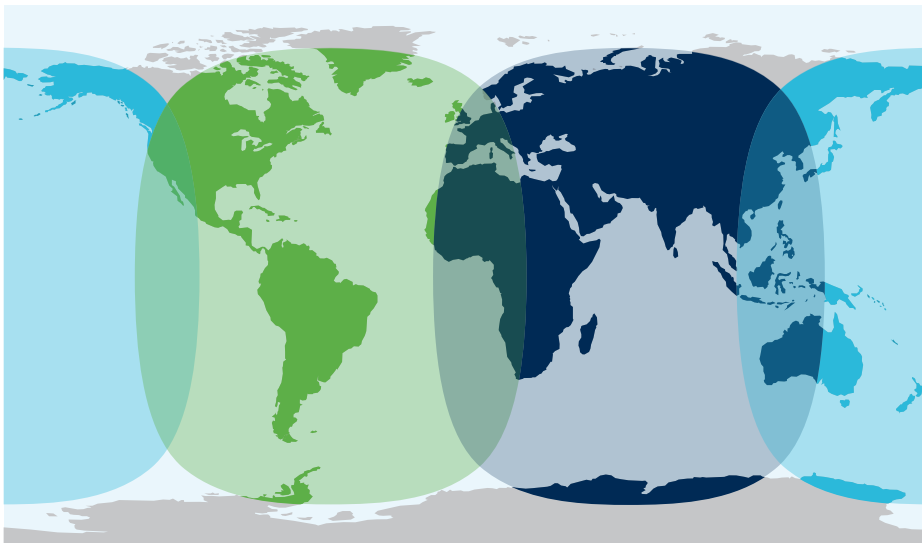
- Significantly lower costs for both terminals and airtime compared with previous mobile satellite services
- Can be deployed to more mobile teams, enabling real-time communications from more locations – ensures the right assistance gets to the right place at the right time

### Global coverage

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

## Coverage

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



- I-4 satellite F1
- I-4 satellite F2
- I-4 satellite F3 (launch planned for 2008)

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 date of the F-3 satellite will be determined in due course.

## How to buy BGAN

### Compagnia Generale Telemar

viale Tiziano , 19  
00196 Roma (Italy)

Tel: +39/06/3221800  
Fax: +39/06/3240148  
E-mail : sales@cgtelemar.com  
Web: www.telemarspa.it



Whilst the above information has been prepared by Inmarsat in good faith, and all reasonable efforts have been made to ensure its accuracy, Inmarsat makes no warranty or representation as to the accuracy, completeness or fitness for purpose or use of the information. Inmarsat shall not be liable for any loss or damage of any kind, including indirect or consequential loss, arising from use of the information and all warranties and conditions, whether express or implied by statute, common law or otherwise, are hereby excluded to the extent permitted by English law. INMARSAT is a trademark of the International Mobile Satellite Organisation, Inmarsat LOGO is a trademark of Inmarsat (IP) Company Limited. Both trademarks are licensed to Inmarsat Global Limited. © Inmarsat Global Limited 2008. All rights reserved.