

What is BGAN?

Inmarsat's BGAN (Broadband Global Area Network) is a global satellite communications service that provides simultaneous broadband data and telephony services.



BGAN is the only mobile satellite communications service that offers a variety of voice and data services in small, portable device. The BGAN service was launched in the Americas in 2006, and the service is being used for a variety of applications.

Customers all over the world are using BGAN for remote high quality audio, video transfers, and for voice and high speed data.

Voice and Data Communications over BGAN

BGAN can be used to maintain communications from a remote area with telephone, e-mail and messaging services. These communications services can be used simultaneously. Full communications capability from remote locations can be essential to broadcasters (media), military, emergency, expeditions or remote office operations. In addition to communications from remote areas, BGAN is also being used for emergency and contingency communications.



The BGAN terminals are portable, and some of them can be installed as fixed units. As a result, some customers are using BGAN terminals for portable emergency communications on trucks,

or to carry with them on trips. The BGAN terminals can go where the communications trucks cannot, and they can also be used in a backup capacity. The BGAN terminals are also being used at the base/office in fixed and portable applications for emergency and contingency communications.

Video Transfers over BGAN

BGAN is also being used for remote video broadcasting or tele-medicine. The service is being used for live and store and forward video with a variety of equipment configurations, depending on the desired quality. For remote video transmission, broadcasters are using standard internet connections, or 128 and 256 Kilobit per second data rate streaming channels with guaranteed bandwidth.



For optimal broadcast quality, the 256 Kilobit per second streaming channel is being used with high quality video encoders and decoders and digital cameras.

With a variety of IP services available, broadcasters can use different services for each project based on their quality requirements and budgetary constraints.

AID

BGAN also plays an integral role in disaster relief. It restores essential communications immediately, enabling the effective co-ordination of relief efforts when regular communication lines are down – improving response times, which could ultimately save lives.

Benefits

Portable, Reliable, Compact, Seamless network coverage.



Select guaranteed data rates up to 256kbps available via Streaming Channels. BGAN also supports on demand ISDN.



Make phone calls at the same time as accessing data applications via a standard desktop phone, wherever you are on the planet.



With a Standard IP connection you can access e-mail, the internet or connect to your VPN network, over a secure connection at speeds up to 492 kbps.



Send or receive text messages to or from any PC or mobile phone.

BGAN terminals may be purchased or rented from Mackay Communications, and there is a terminal for every budget.

For more information on BGAN and its applications, contact Mackay Communications at 919 850-3000 or e-mail mackaynews@mackaycomm.com



www.mackaysatellite.com

Inmarsat BGAN Equipment Sales • Airtime Services • Terminal Commissioning • Billing Consolidation

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