
inmarsat
BGAN PTT+
INMARSAT GLOBAL GOVERNMENT
COMMUNICATIONS MADE CERTAIN
SECURE • MOBILE • FLEXIBLE • GLOBAL • RELIABLE
INMARSAT
TRUSTED BY
GOVERNMENTS

BGAN PTT+

Inmarsat's BGAN Push-To-Talk (PTT) service provides unrivalled resilience to terrestrial voice and data networks through satellite augmentation using Inmarsat's world leading BGAN network.

First responders and public safety teams need communications certainty, especially where fixed networks have failed. The BGAN PTT+ solution provides government users a way to maintain connectivity, on the move, regardless of the situation on the ground,in the air or at sea. BGAN PTT+ integrates seamlessly with existing radio systems, enabling users to operate as normal without the fear of losing voice and data networks due to cellular black spots, network overload in a crisis or after man-made or natural disasters hit the communications infrastructure.

BENEFITS

- Always on bandwidth, extend coverage areas, reduce infrastructure cost with existing radio solutions
- Fixed price VoIP - use as much as you need for the equivalent of a cellular subscription
- Expands reach to include your UHF/VHF devices beyond-line-of-sight (BLOS)
- Real-time data - add Wi-Fi to your vehicles
- Creates a bubble around a vehicle so existing radios can be used inside buildings
- No need to bulk-integrate - take one radio at a time
- Simple, single fixed price for talk groups of any size - national to global
- Inter-agency talk groups on the fly - can immediately communicate directly from vehicle-vehicle, all connected devices and respective HQ configured over the air
- Remote support through our 24x7 Network Operations Centre

MAXIMISED RESILIENCE

- In case the existing Emergency Services network fails, Satcom will take over
- In case Emergency Services network is out of reach in remote areas, satcom will take over
- Existing radio equipment can be used (no changes, no training needed)
- Vehicle equipped with Cobham PRISM+PTT Crisis Proof Mission Critical Communications for land, sea and air
- AES 256 CRT encryption protects communications between gateway and server

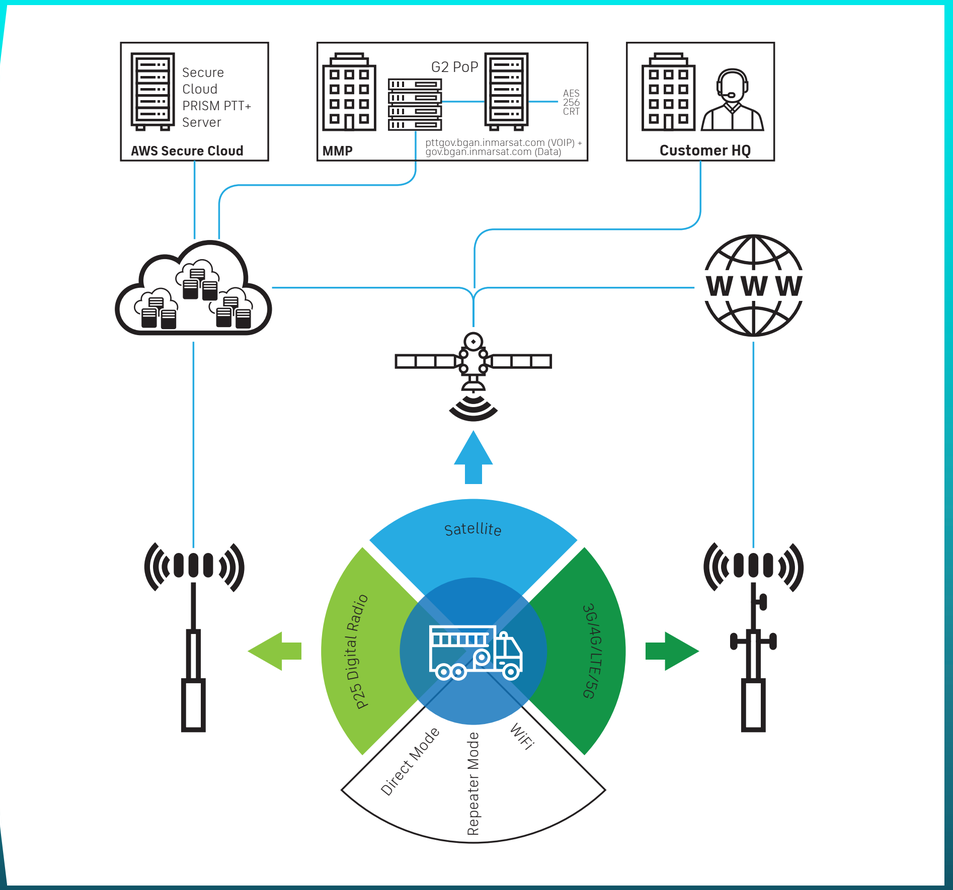
INTEROPERABILITY

- Interoperability between all radio networks and types of radios (device / system independent)
- Enables full collaboration between government agencies
- Also provides WI-FI hotspot for mobile phone or laptop connectivity in and around the vehicle and can function as a relay to Command and Control for other radio users

THE FUTURE OF RADIO

BGAN PTT+ provides ubiquitous, resilient communications whilst integrating seamlessly with existing equipment on board. The solution utilises the BGAN satellite network, providing industry-leading reliability of more than 99.9% uptime. Low profile, lightweight, one piece satellite terminals, such as the new Cobham EXPLORER 323, are mounted on vehicles providing real-time GPS, telemetry and PTT capabilities, through the EXPLORER Mobile Gateway anywhere in the world.

This means control centres can efficiently and safely monitor the movement and performance of their vehicles, while enabling communications with crew wherever they are located



MOBILE MISSION CRITICAL COMMUNICATIONS

THE CHALLENGE

As seen in California, Australia, Portugal and other countries, wildfires have caused widespread cell site failures and power outages, these disruptions to emergency communications are a public safety threat.

In all cases, Command and Control were unable to communicate with firefighters, ambulance staff and Police officers. This lack of co-ordinate within and interoperability between agencies resulted in chaos.

Find a solution that allows government Push-To-Talk (PTT) radio users to be fully interoperable with all other radio users and have crisis proof communications using their existing equipment.

THE SOLUTION...

Multi-bearer, interoperable system

Inmarsat offers satellite communications (SATCOM) solutions that provide first responder teams with secure and reliable connectivity to public safety networks

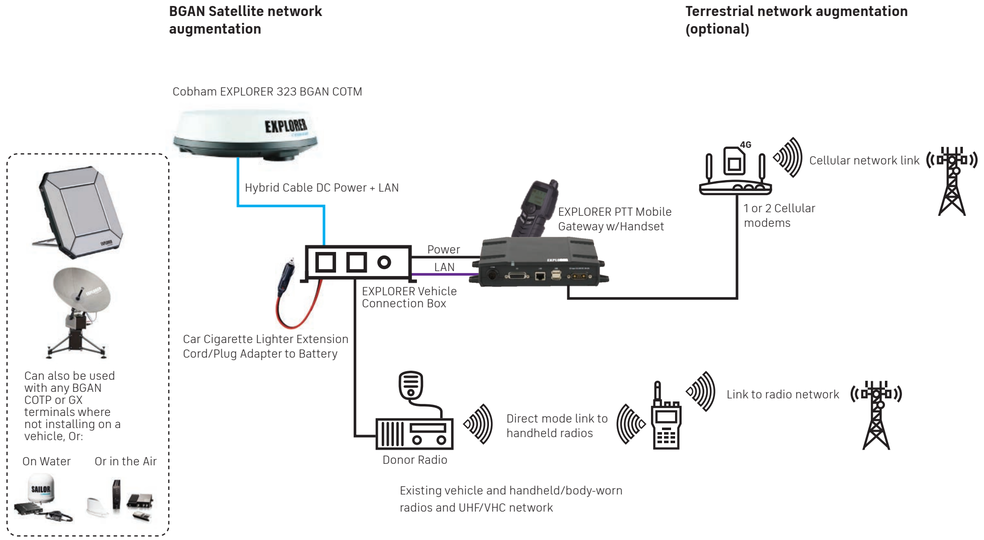
Our Vehicle as a Network (VaaN) provides always-on connectivity—in vehicles, command centers and on-scene — essential for public safety agencies to perform their missions.

Enables public safety agencies to roam seamlessly across multiple networks

PUBLIC SAFETY PTT SOLUTION

Cobham's EXPLORER Mobile Gateway is an IP-based radio and data communications device that supports satellite/3G/LTE/LAN backhaul and Land Mobile Radio (LMR) integration to provide seamless switching between available networks in any situation.

The EXPLORER Mobile Gateway is managed and configured in the Cobham PRISM PTT+ Portal. The web-based portal ensures a simple and easy configuration of any EXPLORER Mobile Gateway, no matter its location and with over-the-air updates to vehicles.



Can also be used with any BGAN COTP or GX terminals where not installing on a vehicle, Or:

On water

Or in the air

Note: Standard GX, FleetBroadband and SwiftBroadband airtime plans apply

THE TERMINAL

EXPLORER 323: ULTRA-COMPACT COMMS-ON-THE-MOVE BGAN TERMINAL.

Cobham's EXPLORER 323 is an ultra-compact BGAN terminal for voice and data communication on-the-move. The one-piece system consists of a combined transceiver and switched beam antenna with integrated Wi-Fi. It is designed for robust and durable use with no moving parts. Simply place the terminal on the roof - it is easily mounted with optional magnetic mounts - and connect your phone to the EXPLORER app or log onto the wireless network with your PC to turn the vehicle into a mobile communication hub.


EXPLORER
COBHAM

HOW TO BUY

Inmarsat products and services are available through select Inmarsat distribution partners and service providers.

Visit our website to find the right partner for you.

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BGAN Push to Talk. September 2020