

INFORMATION ABOUT INMARSAT **INTERNATIONAL MARITIME SATELLITE**

INMARSAT has stood at the forefront of mobile satellite services for nearly 30 years. We are internationally recognized as pioneers in our field and we continue to introduce new technologies that redefine the standard for our industry.

Our new Broadband Global Area Network (BGAN) service, for example, is now enabling TV broadcasters to beam breaking news 'live via videophone' into millions of homes. And in future, when you make a mobile phone call or send a text message from an aircraft, most likely it will be transmitted via INMARSAT satellites to the ground.

For the maritime community, however, our communication and safety services are nothing new. Their lives and livelihoods have depended upon INMARSAT for more than a quarter of a century.

We were founded in 1979 to ensure that ships could stay in constant touch by telephone. In 1999, we became the first intergovernmental organization to transform into a private company and, in 2005, were floated on the London Stock Exchange.

INMARSAT's goal is to remain in the vanguard of mobile satellite service delivery - through a combination of extensive portfolio, global coverage and technological innovation. We also aim to deliver the highest standards of reliability in the market, while offering excellent value for money.

**The launch of our INMARSAT-4 satellites in 2005 - with their significantly enhanced power and capacity - laid the foundations for the evolution of our services.
Global voice and broadband data**

Our Broadband Global Area Network service - BGAN - offers global voice and high-speed data connectivity to our land-based customers, through terminals which are about the size of a laptop.

Fleet Broadband and Swift Broadband deliver this capability to our maritime and aeronautical customers - completing our vision of Broadband for a mobile planet™.

INMARSAT's leadership of the mobile satellite communications industry was reinforced with our entry into the satellite phone market. A global service based on a new generation of handsets will be rolled out in 2009.

INMARSAT owns and operates the world's most advanced fleet of commercial mobile communications spacecraft, flying in geostationary orbit, 35,786km (22,240 statute miles) above the Earth.

This includes our two latest generation satellites, the INMARSAT-4s (I-4s), which were launched in 2005. Together, they provide coverage to around 85 per cent of the world's landmass and 98 per cent of the world's population.

INMARSAT is also planning to launch a third I-4 satellite in 2008. This will deliver complete mobile broadband coverage of the planet, except for the extreme polar regions.

SPOT BEAM TECHNOLOGY

INMARSAT's first wholly owned satellites, the INMARSAT-2s, were launched in the early 1990s, and the INMARSAT-3s - the first generation to use spot beam technology - followed later in the decade.

The total fleet now comprises 10 satellites. The I-4s set a new benchmark for mobile satellite communications in terms of their power, capacity and flexibility. One I-4 satellite is 60 times more powerful than an INMARSAT-3, and the I-4 fleet is expected to have a commercial life until around 2020.

ALPHASAT

INMARSAT has also entered into agreement with the European Space Agency (ESA) to become the commercial operator of a new satellite called Alphasat. The satellite is part of an ESA initiative to develop a new spacecraft platform capable of carrying a large communications payload. Alphasat is scheduled for completion in 2012 and will supplement the existing I-4 satellites. It will provide service over Europe, the Middle East and Africa.

INMARSAT SERVICES AT A GLANCE

INMARSAT has been at the leading edge of satellite communications for nearly 30 years. Here is a list of all our services, from the pioneering present-day voice and broadband data offerings, to the tried-and-tested originals that brought global communications to the world for the very first time.

IsatPhone - mobile satellite phone

A lightweight, pocket-size dual-mode satellite and GSM 900 mobile phone, with an easy to use icon-driven menu and a full range of accessories. The service is available across Asia, Africa and the Middle East via the INMARSAT-4 Indian Ocean satellite and is expected to go global in 2009.

LandPhone - fixed satellite phone

A low-cost, fixed voice service, which can be used indoors or outdoors as a private or business telephone, or as a payphone-type solution in conjunction with prepaid cards. Connects to a standard telephone and remote antenna, and is currently available across Asia, Africa and the Middle East.

Broadband Global Area Network (BGAN)

Delivers simultaneous voice and broadband data communications via a lightweight, notebook-size device. Provides seamless network coverage across most of the world's landmass and offers Standard IP at speeds up to 492kbps and "on-demand" Streaming IP at up to 256kbps.

FleetBroadband

Our most advanced maritime service is designed to provide cost-effective, high-speed data and voice

communications, including simultaneous voice and data, Standard IP with speeds of up to 432kbps over a shared channel, ISDN at 64kbps, and streaming data up to 256kbps.

Fleet 77, 55 and 33

These three maritime services offer a combination of global voice and fax communications, Mobile ISDN data at 64kbps and 128kbps, and our original always-on IP-based Mobile Packet Data Service (MPDS) for email, web browsing and other office applications.

FleetPhone - maritime satellite phone

A low-cost phone service ideal for smaller vessels, consisting of below-decks equipment with an integrated voice handset connected to an omni-directional antenna. Available now in the INMARSAT-4 Indian Ocean Region and going global in 2009.

SwiftBroadband

Designed to meet the high-speed data communications needs of passengers, cabin crew and pilots in airliners, business jets and government aircraft. Offers a package of simultaneous voice and data, plus contended IP-based data up to 432kbps per channel and 64kbps ISDN.

Swift 64

Provides bandwidth for applications such as high-quality voice, email, internet and intranet access, and videoconferencing, via its Mobile ISDN and IP-based Mobile Packet Data Service (MPDS) offerings.

INMARSAT A

The original INMARSAT system, which was withdrawn from service at the end of 2007. Based on analogue techniques, it provided global two-way telephony, facsimile, data and telex communications to the maritime community for a quarter of a century.

INMARSAT B

The first digital successor to INMARSAT A, capable of high-quality telephony, facsimile, data and telex services, and compatible with the Global Maritime Distress and Safety System (GMDSS).

INMARSAT C and Mini C

A digital system based on a low-cost satellite terminal, providing two-way store-and-forward messaging, distress calling, EGC SafetyNET™ and FleetNET™, data reporting and polling. The system is approved for use under the Global Maritime Distress and Safety System (GMDSS) and mandatory for Solas-compliant ships operating outside Navtex coverage areas.

IsatM2M

A two-way burst messaging service enabling a wide range of machine-to-machine applications for tracking and monitoring remote fixed or mobile assets on a global basis - whether on land, at sea or in the air.

INMARSAT D+

The predecessor to IsatM2M. A two-way data communications service that uses very small equipment, with integrated GPS, for data transfer, remote monitoring, tracking and tracing.

INMARSAT M

The first briefcase satphone, introduced in 1993. Also available in the maritime market, as a smaller, digital alternative to INMARSAT B, offering two-way voice telephony, distress alerting, fax and data services at lower data rates.

Mini M

Introduced in 1995, based on digital technology and capable of two-way voice telephony, alerting, fax and data services. Operates only in the reduced coverage offered by the INMARSAT-3 spot beams, but its notebook size has made it one of the most popular INMARSAT services on land and at sea.

GAN

A precursor to BGAN, the Global Area Network (GAN) service offers high-quality voice, plus a combination of the 64kbps Mobile ISDN and packet-based MPDS data services via a portable terminal.

R-BGAN

An IP-based entry level device within the BGAN range of terminals. It was formerly known as Regional BGAN. INMARSAT chose Hughes Network Systems (HNS) for the development and production work associated with the Regional BGAN network, including the R-BGAN satellite IP modem, which provides data only packet-data connectivity. This service will be withdrawn at the end of 2008.

Aero H / H+

Supports multi-channel voice, fax and data communications at speeds up to 9.6kbps anywhere in the global (hemispherical) beams of INMARSAT's satellites.

Aero I

Brings multi-channel voice, fax and data at up to 4.8kbps to corporate aircraft, military transports and regional airliners through smaller, cheaper terminals.

Aero L

Provides airline and government operators with global, real-time, two-way data communications, principally to support air traffic control and airline operations.

Mini M Aero

Suited to border patrol, coastguard, emergency services and remote-area operations applications.

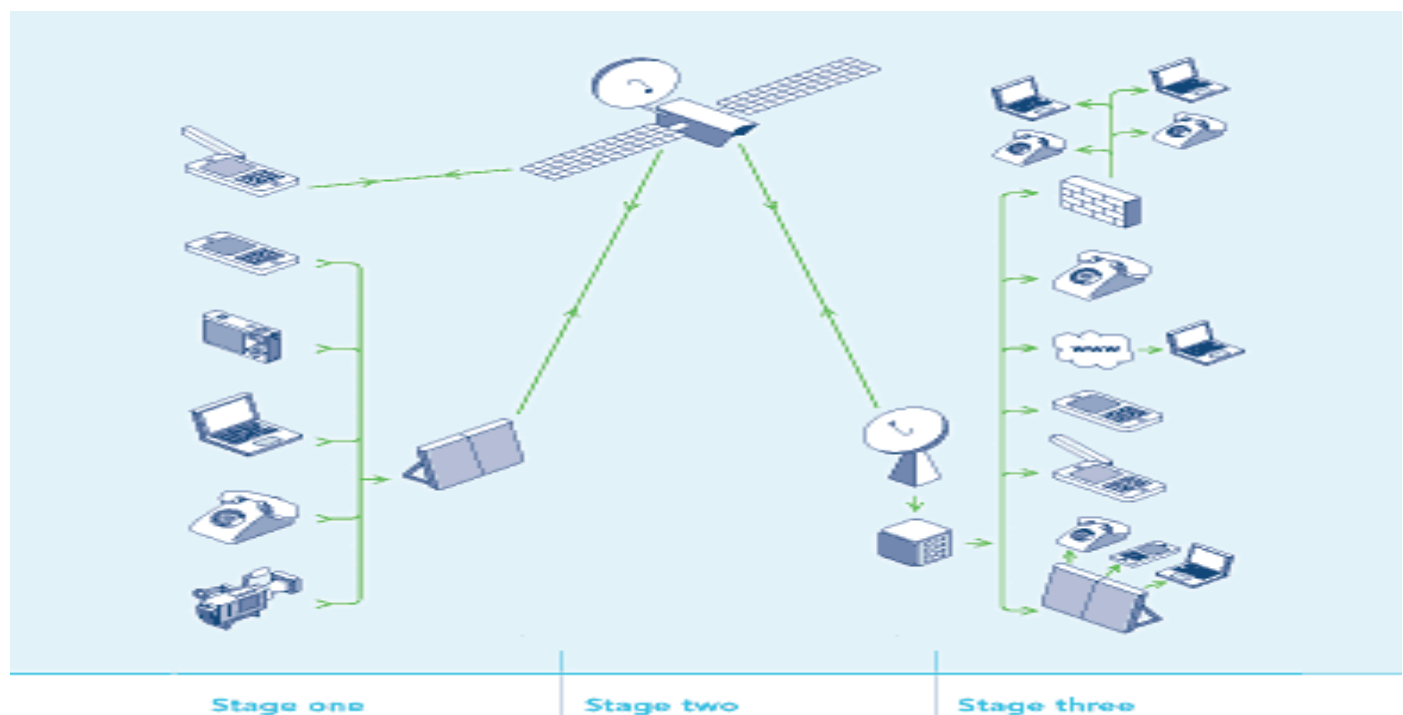
Supports a single channel for voice, fax or 2.4kbps PC data, SIM-card capability and STU-III encrypted voice.

Aero C

For non-safety-related text or data messages from anywhere in the world. With integrated GPS, it can be readily installed in corporate and general-aviation aircraft and helicopters, and offers two-way store-and-forward data communications, messaging, polling and position-reporting.

Innovation via satellite

We provide voice and data connectivity to end-users through the most versatile and reliable satellite network in the world, giving us the capability to deliver innovative services on an unprecedented scale.



Stage one

Use any phone or internet connection in the world.

Stage two

Connect using an INMARSAT satellite terminal. The terminal sends and receives communications signals from an INMARSAT satellite connecting with your telephone handset, notebook PC or camera.

Stage three

The satellite signal is received back into the terrestrial network and the communication link is completed to virtually any phone or internet connection in the world.

Enhance vessel efficiency

Many modern commercial vessels are effectively multi-million dollar floating assets, requiring highly efficient operation and management.

Seafarers and vessel operators depend on INMARSAT to keep in touch, whatever the conditions. No other operator can offer such comprehensive coverage, reliability and performance. And we have the only satellite network that meets GMDSS requirements.

Applications

INMARSAT services enable all key vessel operations:

Email and webmail

Real-time chart and weather updates

GMDSS safety

Remote intranet and internet access

Secure communications

Large file transfer

Crew communications

Vessel / engine telemetry

SMS text and instant messaging

Videoconferencing

Store and forward video

Key benefits

Global coverage

Seamless ocean coverage on a global basis, except the extreme polar regions.

Reliability

The highest network availability in the industry.

High performance

Data speeds comparable with those ashore.

Easy integration

Rapid deployment and seamless integration with shore-based networks.

Flexibility

Scaleable solutions that enable smooth migration.

Security

Services that support major VPN products and encryption standards.

Our services

A range of performance options to suit your needs:

FleetBroadband

Simultaneous voice and data up to 432kbps.

Fleet 77

Global voice, fax, 64/128kbps ISDN, packet data, GMDSS.

Fleet 55

Global voice, spot beam fax, 64kbps ISDN, packet data.

Fleet 33

Global voice, spot beam fax, 9.6kbps circuit-switched data, packet data.

FleetPhone

Simple, low-cost voice and 2.4kbps data.