



FleetBroadband



Full ahead

To a broadband future

➔ FleetBroadband is the first maritime communications service to provide cost-effective broadband data and voice, simultaneously, through a compact antenna on a global basis.

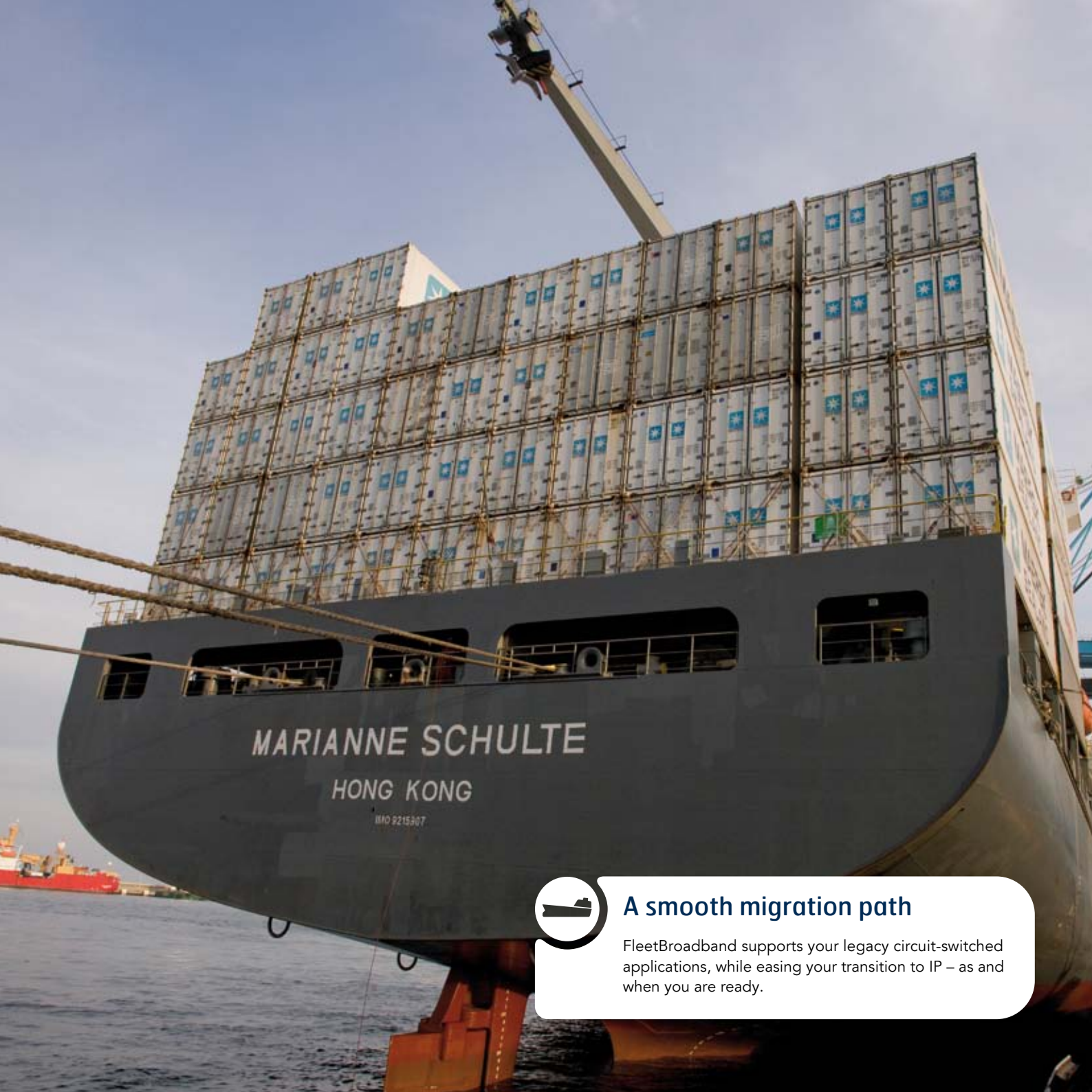
Life at sea has never been easy. Increasing commercial demands on ship operations mean that enhanced connectivity is essential – regardless of your vessel's position. Aside from navigation, the Master needs to perform a host of other duties, from updating weather information, route-planning and ordering supplies, to maintaining crew morale by enabling them to call and email home or read the latest football results online. On top of everything else, you also need to keep a tight control on costs.

FleetBroadband gives you the power to meet these challenges head on. This next generation service from Inmarsat takes your vessel into the IP era. But if you are not quite ready to move to IP, FleetBroadband still supports the core voice and ISDN data capability of our existing maritime services.

Delivered via the most advanced commercial communications satellites ever launched, which are expected to be in operation into the 2020's, you can be sure that you're choosing a stable platform for the future.

Based on 3G standards, FleetBroadband provides constant, simultaneous access to voice and high-speed data services, on a global basis. You can send and receive email with large file attachments, comfortably run complex data applications and make voice calls at the same time – more affordably than ever before. The terminal is quick and easy to install and you can be sure that it has been tested and approved to Inmarsat's exacting standards.

Regardless of the type or size of vessel, FleetBroadband offers a compact solution that can easily be accommodated, providing you with optimal connectivity – no matter what your position or the conditions at sea.



MARIANNE SCHULTE
HONG KONG

MNO 9215307



A smooth migration path

FleetBroadband supports your legacy circuit-switched applications, while easing your transition to IP – as and when you are ready.

Improving operational

Delivering commercial advantage



“The performance of FleetBroadband during the trial period was excellent and I am delighted we have been able to keep it permanently.”

Captain Mohan

Marianne Schulte, Bernhard Schulte Group

Superior performance

FleetBroadband gives you faster, more cost-effective access to data services. Besides constant, real-time weather and ECDIS updates, you can use more complex applications with confidence. Its simultaneous voice and data capability means that operational systems can be running online and you can still access email, your intranet and make voice calls – all via a single terminal. So the Captain can get on with managing the ship, while the crew are calling or emailing home.



Global coverage

FleetBroadband ensures you are never out of touch, wherever you sail. The service is accessible globally except for the extreme polar regions.

Unrivalled reliability

You can depend on Inmarsat, whatever the weather. We provide the toughest communications links in the business, with average network availability exceeding 99.99 per cent. FleetBroadband terminals are designed specifically for use within the marine environment and are rigorously tested to our exacting standards. The whole system is supported by our worldwide network of partners.

efficiency

Easy installation and network integration

FleetBroadband can be rapidly deployed across your entire fleet and, as a standard IP service, seamlessly integrated with head office networks. Terminals operate globally and the user interface will be standard across all manufacturers' products.

Total flexibility

FleetBroadband supports the latest IP services, as well as traditional circuit-switched voice and data for your legacy applications. You can choose between a standard, contended IP service and guaranteed data rates on demand – with the ability to select the rate according to your application. Three types of terminal are available, which offer different performance capabilities via standard hardware.

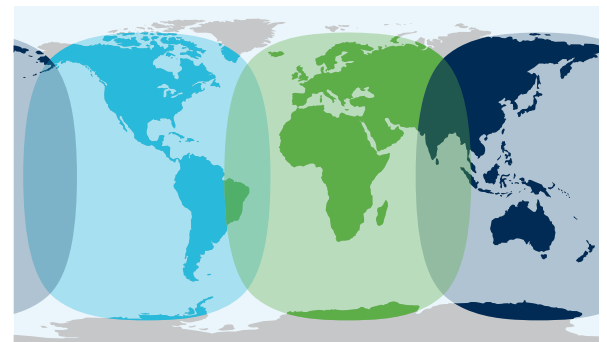
Cost-effective

With FleetBroadband, performance and flexibility don't come at a high price. Terminal costs are relatively low, with a choice of airtime pricing packages to best suit your needs. And you don't have to commit to a lengthy contract. It makes global voice and broadband data services more accessible than ever before, enabling you to achieve greater operational efficiencies and reduce the costs of crew communications.

Complete security

Inmarsat has vast experience in providing secure communications to military and government customers, as well as multinational businesses. If required, our network can support additional security products, such as VPNs and ISDN cryptos.

Service coverage



I-4 Americas

I-4 EMEA

I-4 Asia-Pacific

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.

Enhanced connectivity

The global broadband floating office



Standard IP

For email, internet and intranet access via a secure VPN connection, at speeds up to 432kbps over a shared channel.



Streaming IP

Guaranteed data rates on demand up to 256kbps. Choose the data rate on a case by case basis, depending on your application.



Voice

Make voice calls at the same time as accessing your data applications. Voicemail is also available. Group 3 fax is supported via the voice channel.



ISDN

Supports ISDN at 64kbps for your legacy applications.



SMS

Send and receive text messages – up to 160 characters.

Terminals

Three types of terminal with different performance capabilities are available from multiple manufacturers. All use stabilised, directional antennas and vary in size and weight.

| | FB150 | FB250 | FB500 |
|----------------|------------------------------------|---|-----------------------------|
| Data | | | |
| Standard IP | Up to 150kbps | Up to 284kbps | Up to 432kbps |
| Streaming IP | – | 8, 16, 32, 64, 128kbps | 8, 16, 32, 64, 128, 256kbps |
| ISDN | – | – | 64kbps |
| Voice | 4kbps AMBE+2 | 4kbps AMBE+2 and 3.1kHz audio** | |
| Fax | – | Group 3 fax via 3.1kHz audio, access to efax applications | |
| SMS | Standard 3G (up to 160 characters) | | |
| Antenna | | | |
| Diameter from | 27.5cm | 32cm | 60cm |
| Height from | 22.1cm | 28cm | 63cm |
| Weight from | 2.5kg | 3.9kg | 16kg |

Applications

FleetBroadband supports an extensive range of commercially available, off-the-shelf software, as well as specialised user applications. It is ideal for:

- ➔ Email and webmail
- ➔ Real-time electronic chart and weather updates
- ➔ Remote company intranet and internet access
- ➔ Secure communications
- ➔ Large file transfer
- ➔ Crew communications
- ➔ Vessel/engine telemetry
- ➔ SMS and instant messaging
- ➔ Videoconferencing
- ➔ Store and forward video

**FB250: Above 20 degree elevation.



Affordable global broadband

FleetBroadband gives you enhanced data performance in a cost-effective package – helping you to improve operational efficiency and cut costs.

How to buy FleetBroadband

FleetBroadband is available through our worldwide network of partners. Contact your existing Inmarsat service provider or visit our website to find the right partner for your company.

inmarsat.com/fleetbroadband

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, the Inmarsat LOGO is a trademark of Inmarsat (IP) Company Limited. Both trademarks are licensed to Inmarsat Global Limited.
© Inmarsat Global Limited 2009. All rights reserved. FleetBroadband November 2009.