



Inmarsat Fleet F55



Whatever your needs, Fleet F55 offers a single, integrated communications solution that delivers versatility and choice



Inmarsat is the pre-eminent provider of global* mobile communications, with over 25 years' experience in the maritime sector. The company is also renowned for its dependable network, consistently delivering reliability levels of 99.99 per cent as part of its maritime safety obligations.

The increasing sophistication of the maritime society demands communications access at all times for business, social and leisure requirements. To meet ever growing needs for data connectivity at sea, Inmarsat's advanced Fleet family of services (Fleet F77, Fleet F55 and Fleet F33) offers comprehensive data and voice solutions for all vessel sizes.

Single solution

Whatever your needs, Fleet F55 offers a single, integrated communications solution that delivers versatility and choice to ensure that you and your vessel are no longer isolated while at sea.

Because Fleet F55's antenna and below deck unit package is smaller and more economical than the Fleet F77 equivalent, Fleet F55 is suitable for use onboard a wide range of vessels, including medium-sized merchant ships, large motor and sailing yachts, larger fishing vessels, patrol boats, research vessels, survey ships and offshore support craft.

Fleet F55 is designed to be simple to install for both new vessel or retrofit applications. In addition, the terminals feature a range of industry standard connections and interfaces for maximum hardware compatibility.

Voice

Fleet F55 provides digital voice communications on a virtually global basis* as standard with a 4.8kbps voice channel. A high quality 3.1kHz audio channel is also available. Additionally, SIM and pre-paid calling options are available to offer increased flexibility for social and crew calling and/or multiple users.

Call waiting is also available as an option to notify users of the presence of an incoming voice, fax or data calls while they are conducting an MPDS session. When the call-waiting alert is received, the user will have the choice of whether to accept the incoming call or not.

Fax

Fleet F55's ISDN channel enables 64kbps Group 4 fax for vessel-to-shore, shore-to-vessel and vessel-to-vessel applications. A 9.6kbps Group 3 fax option is also provided.

Data

High-speed data

Fleet F55's key differentiator is its ability to deliver high-speed Internet Protocol (IP) data transmissions. The service's Mobile ISDN channel offers data transfer rates of up to 64kbps in the Inmarsat spot beams**. Two units can be bonded to offer 128kbps.

Mobile ISDN enables users to send and receive e-mail, access virtual private networks (VPNs), transfer large data files and digital images, as well as run live videoconferencing.

Always on

In addition, Fleet F55 gives users the choice of Inmarsat's unique Mobile Packet Data Service (MPDS). By charging only for the amount of data sent and received, not the time spent online, this packet-based service provides cost-efficient 'always on' Internet or corporate/private network access at speeds of up to 64kbps.

For enhanced data security, both the ISDN and MPDS channels support anti-virus software and firewalls, as well as the majority of Virtual Private Network (VPN) protocols.

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Business or pleasure

Inmarsat Fleet F55 is an ideal solution to increase vessel management and operational efficiency, as well as link those onboard with business colleagues, family and friends.

E-mail: The service provides reliable, quick, cost-effective and easy e-mailing, with the choice of virtual instant access with the always on capability of MPDS.

Secure online access: Internet and corporate/private network access is now taken as an everyday requirement. Fleet F55's Mobile ISDN and MPDS channels extend this capability to vessels at sea for vessel operational needs as well as office, management and e-commerce applications.

Digital video and images: Fleet F55 ensures that commercial and leisure vessels can meet increasing business requirements for the immediate transmission of still and moving images. This facility also provides enhanced telemedicine as well as greatly improved capability to respond to equipment breakdowns or vessel damage.

Voice: Fleet F55 delivers immediate, clear digital voice communications on a virtually global* basis.

Crew communications: Fleet F55 supports crew calling such as pre-paid solutions that enable users to

take advantage of discounted voice calling rates. Other interfaces can provide crew with e-mail, SMS and voicemail facilities.

Key markets

As organizations and individuals increasingly use data and web-based technology, high-speed, cost-effective and reliable communications are critical to operational success. Fleet F55 adds value to all maritime markets.

Leisure: With Fleet F55, owners and operators of medium to large yachts, as well as passengers, guests and crew, can utilize the system's voice, e-mail, Internet or fax connections, allowing them to keep in contact at all times. This could mean that the passenger or guest can remain onboard for longer. It also improves safety and comfort, as the master can download the latest accurate weather forecasts and chart updates.

Merchant: Ship owners and managers can take advantage of Fleet F55's data channels for enhanced control, efficiency and safety. The service facilitates technical ship management and crewing software applications, corporate network access, e-procurement, electronic chart updates and notices to mariners, online weather downloads as well as vessel telemetry and monitoring applications. In addition, videoconferencing and digital images can be used to speed equipment/

damage repairs and for telemedicine. Fleet F55 also enables social crew calling.

Fishing: Fleet F55 enables targeted fishing and safety through the delivery of accurate oceanographic and weather data. Online access to the latest fish market prices lets skippers or fishing managers choose where and when to land a catch for maximized profits.

Government: Fleet F55 offers secure voice and real-time data communications, which greatly aids increased coastal zone and offshore security and monitoring for patrol and customs vessels. Primary applications include digital image and video transfer, as well as secure online database access.

Offshore/research: The choice of high-speed Mobile ISDN and MPDS provides offshore and research vessels with a cost-effective method of sharing research and operational data for improved efficiencies.

Fleet F55 also enables the craft to work longer and safer thanks to online weather access.

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Service flexibility

Because Fleet F55 is IP compatible, it supports an extensive range of commercial off-the-shelf software, as well as specialized maritime and business applications. Fleet F55 also ensures cost-effective communications by offering the choice of Mobile ISDN or MPDS channels.

Mobile ISDN is best suited for applications where data throughput and speed are important, including:

- videoconferencing
- store-and-forward video
- video streaming
- large data file transfer, including FTP and digital images
- high quality digital voice
- secure voice and data communications
- electronic chart downloads
- anti-virus updates

MPDS is more suitable for interactive, short-burst data and web-based applications, such as:

- e-mail
- Internet and private network access
- instant messaging
- universal messaging, including SMS
- office/management software applications
- 'thin client' applications
- electronic chart downloads
- real-time online weather/oceanographic information
- vessel telemetry, SCADA and technical support applications
- telemedicine



Summary

Inmarsat Fleet F55 provides a single integrated communications solution, delivering reliable high-speed data and fax links at up to 64kbps in the Inmarsat spot beams, as well as global* voice. Fleet F55 adds value to all maritime markets and is fully evaluated and proven in service onboard merchant, government, leisure, fishing, research and offshore vessels. Fleet F55 is a long term solution as it is designed to operate with Inmarsat's latest generation Inmarsat-4 satellites.

* Polar restrictions apply



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Ref: Fleet F55 prop July 05