



**INMARSAT FLEET F55  
RULE THE WAVES**



# VERSATILE MARITIME COMMUNICATIONS –



**For over 22 years, Inmarsat has provided the maritime industry with a broad range of services, each suited to the operational requirements of different sectors.**

In March 2002, Inmarsat successfully launched a new family of services, Inmarsat Fleet – offering advanced data and voice services to the maritime community. Fleet F77 was the first service in the Fleet family to enter into operation, offering a comprehensive range of speech, data and voice Distress and Safety services.

The most recent additions to the Fleet family of services are Fleet F55 and Fleet F33, which have been designed for vessels requiring a smaller antenna, lighter above-deck equipment and a low-cost, simple hardware installation. Fleet F55 offers a unique range of voice and data functions and gives access to advanced online services such as Inmarsat Mobile Packet Data and Mobile ISDN.

Fleet F55 provides both the high quality and speed of a full 64 kbit/s Mobile ISDN service and the flexibility of the Inmarsat Mobile Packet Data service, where users are charged for the amount of information sent and received rather than the time for which they are connected. This

combination provides cost-effective, powerful communications, with immediate and secure access to business critical information, image transfer and video communications while away at sea.

## **Instant connectivity**

Fleet F55 enables maritime users to benefit from access to their standard communications applications, bringing full connectivity to the home or office whilst at sea. Users can benefit from “always-on” connectivity, with instant notification of incoming communications.

## **Choice and flexibility**

By offering a choice of data channels, Inmarsat Fleet F55 delivers versatile solutions designed to meet the specific needs of the maritime user, allowing mariners to create a communications solution that suits their individual needs.

## **High speed**

Inmarsat Fleet F55 delivers fast e-mail, internet and intranet access, image transfer and video communications at speeds of up to 64 kbit/s, virtually wherever they are.

## **Compatibility**

Inmarsat Fleet is accessed through a widely compatible terminal unit, connecting with standard hardware and software, giving users direct access to a broad range of

# MOBILITY, PERFORMANCE AND CONTROL

communications solutions. Fleet F55 provides fully integrated IP and ISDN functionality.

## **Security and control**

By providing advanced connectivity, Fleet F55 brings increased security and control to your communications. Through applications such as telemedicine, a more effective management of users' living and working environments can be exercised whilst at sea.

## **Inmarsat Fleet F55 in Action**

### **E-mail**

Via Inmarsat Fleet, users have reliable, quick and easy access to e-mail whenever and virtually wherever it is needed. With Fleet F55's online connectivity, users can choose to access e-mail as soon as it is received, without needing to wait to log on to the system.

### **Secure online access**

Reliable and secure access to online information on the Internet or corporate intranet has become an everyday communications need. Inmarsat Fleet makes this a reality for those at sea, and seamlessly integrates corporate IT networks, facilitating access to secure information resources through Internet Protocol (IP) and Virtual Private Network (VPN) functionality.

### **Crew communications**

With an increased global reach for voice services (all Inmarsat Ocean Regions), and greatly improved data services, Fleet F55 offers an advanced range of services for crew and welfare communications. As a dedicated terminal for crew communications, Fleet F55 offers crew the ability to stay in touch by voice and to access secure online information through managed user accounts.

### **Video and digital image communications**

Access to videoconferencing via Inmarsat Fleet F55 ensures that today's commercial and leisure vessels match the communication facilities to meet increasing requirements for the immediate transmission of still and moving images.

### **Voice communications**

Through Inmarsat Fleet's integral voice service, maritime users are provided with immediate and clear digital voice communications, in all the world's Ocean Regions\*. Additionally, SIM and pre-paid card call operation offers increased flexibility for social calling and multiple users.

\* Polar restrictions apply



## Key markets

- Medium to large yachts with growing requirements for both voice and data can access Fleet's online services, from instant access to chart and meteorological information to data accessible on a company intranet.
- Ship operators can rely on Inmarsat Fleet for significantly enhanced and more efficient data-driven communications: from technical management or crew rostering to checking the head office intranet or accessing services such as weather routing applications. Store-and-forward video is also available for onboard diagnostics and telemedicine applications.
- Large fishing vessels requiring access to deep-sea areas, such as trawlers, can utilise Fleet's range of communications services to meet their increased operational requirements, both to reach and make the catch, as well as finding the best prices ashore.
- Offshore / Energy operations can benefit from Fleet F55's high transmission rates, thereby speeding up the analysis process. Offshore / Supply vessels can benefit from Fleet F55's smaller hardware and antenna, for greater ease of installation.
- The security and speed of Inmarsat Fleet allows government and patrol operations, including customs and coastguard organisations, to use the Inmarsat service during sensitive work at sea, particularly with vital applications such as image transfer or online database queries.

## Service Flexibility

### Mobile ISDN and Mobile Packet Data service

Two key data services are available via Inmarsat Fleet F55. Selecting the more appropriate of the two will depend on what you want to send and receive. As a general rule, the Mobile ISDN service is best used when transmitting large files or if speed is of the utmost importance. The Mobile Packet Data service can be more efficient for applications that are interactive in nature such as e-mail, web or intranet access.

Mobile ISDN	Mobile Packet Data service
Videoconferencing	Navigational data updates
Video Streaming	Interactive e-mail
Large file transfer	Database queries
Store & forward video	E-commerce
Photo transmission	IP/corporate LAN access
High quality audio	Intranet access
Secure voice and data	Vessel Telemetry transmission
	Online Dialogue

## Summary

Inmarsat Fleet F55 brings the advanced data services of the Fleet family to a broad range of vessels, offering spot beam data and global\* voice. For both merchant and medium-sized vessels, the high performance communications offered by the Fleet family can now be a reality for vessels previously restricted by size and cost of the terminal hardware. Online connection and powerful data transfer capability are now a reality for such vessels, bringing a versatile range of solutions directly onboard.

\* Polar restrictions apply



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