

Summary Sheet

Inmarsat Fleet F77/F55/F33

Fleet F77, F55 and F33 provide high-quality mobile voice and flexible data communications services, e-mail and secure Internet access for the maritime industry.

Fleet F77:

Commercially available since April 2002.
Primary markets: Merchant marine, deep-sea vessels.

Fleet F55:

Primary markets: Medium/large leisure, various data -centric, medium-sized vessels (Merchant, Patrol, etc.)

Fleet F33:

Primary markets: Leisure, Fishing, Small/Medium sized vessels, data-enabled crew phones.

All Fleet services provide global* voice, and a range of data channels (please see table below).



Service	Coverage	Voice	Data - Circuit Switched	Data - Packet Mode	Fax	GMDSS - Distress & Safety	Antenna Size (approx.)
Fleet F77	Global -all services except 128kbps (spot-beam)	Global/ Digital	64kbps ISDN (Standard fit) 128kbps ISDN (Data variant option)	MPDS	2.4kbps (option) 9.6kbps (option) 64kbps G4 Fax	Voice - IMO A888(21)	75- 90cm Diameter
Fleet F55	Global Voice Spot Data and Fax	Global/ Digital	64kbps ISDN (Euro standard)	MPDS	9.6kbps (option) 64kbps G4 Fax	Not Applicable	50-60cm Diameter
Fleet F33	Global Voice Spot Data and Fax	Global/ Digital	9.6kbps dialup data	MPDS	9.6kbps Fax	Not Applicable	25-35cm Diameter

Fleet Services Family Summary Sheet - Notes

1. Voice

For all Fleet variants, 4.8kbps voice services are available globally in all four Inmarsat ocean regions. High quality voice is also available on F55 and F77 via the 3.1KHz audio channel.

See separate Fleet service coverage map, available at: www.inmarsat.com/fleet

2. Mobile ISDN and 3.1KHz Audio

Inmarsat Mobile ISDN delivers a Euro standard "IB+D" UDI (Unrestricted Digital Information) presentation at speeds of up to 128kbps, giving access to a broad range of data, fax (including Group 4 or ISDN Fax) and voice services. A 3.1KHz Audio channel is also provided, enabling a range of options including high quality audio, standard modem connection and Group-3 fax.

Mobile ISDN is provided on F77 with two distinct channel variants.

1. Euro ISDN: 64kbps (standard fit)

2. Euro ISDN: 128kbps (optional fit)

The 128kbps channel may require a specific terminal software and /or hardware upgrade (consult your hardware manufacturer for details). Coverage for the 128kbps service is provided via Inmarsat-3 spot beams, to be extended to include Inmarsat-4 coverage areas (planned Q2, 2005 for IOR and Q4 2005 for AOR-W)

3. Fleet F33 9.6kbps dial-up data

Fleet F33 enables data connectivity via standard AT commands, with the Fleet terminal acting as a satellite modem responding to the user's PC. The basic data channel for this service is 9.6kbps.

Integrated V42bis/V44 compression is available as an embedded MES functionality with this service, delivering effective enhanced throughput of up to 40kbps and beyond. Compression rates are variable and will depend on the file data format. With the functionality enabled at the MES end the link will automatically be established with highest compression ratio possible.*

4. Mobile Packet Data Service (MPDS)

The Mobile Packet Data Service (MPDS) is suited to network transmissions that are frequent, are non-urgent or involve small amounts of data. MPDS will also let you to stay online longer, regardless of the volumes of data exchanged. Charges are made for the amount of data sent and received, not the time spent online, making it ideal for small e-mails, Instant Messaging and web browsing. For Fleet F77 and F55, a 64kbps shared-bearer channel is provided for both send and receive. For F33, a 28kbps shared-bearer channel is provided for send mode, and a 64kbps shared bearer is provided for receive mode.

N.B. A sheared-bearer structure means that you as a user are sharing the channel with other concurrent users and that connection speed will vary. This does not affect usage costs.

5. Fax

ITU Group-3 Fax services are now available as an option on all Fleet platforms.

- On Fleet F77, two distinct options* are provided for either 2.4kbps Fax or 9.6kbps Fax in addition to the 3.1 kHz Audio service (see 2 above).

N.B. The 2.4kbps and 9.6kbps fax services cannot be commissioned together.

- On Fleet F55, 9.6kbps Fax is available on option*.
- On Fleet F33, 9.6kbps Fax services are available with the 9.6kbps dialup data service variant option*.

6. Voice GMDSS Distress and Safety functionality

Voice Distress and Safety functionality is provided on Fleet F77 only, according to IMO resolution A.888(21), providing four-stage prioritisation and pre-emption. For further details, see: www.inmarsat.com/safety

7. Call Waiting

All Fleet services (F77, F55, F33) provide the option of Call Waiting. This enables the user to choose either to receive voice calls, or not to be interrupted during an ongoing data session, facilitating "always-on" data communications. See your service provider for further details*.

Further information

For further technical and commercial information, see: www.inmarsat.com/fleet

For detailed service and reference manuals, see: <http://fleet.inmarsat.com/support.htm>

*For users to access relevant service options, suitably equipped providers must be accessed for both terminal and network.