



Maritime services

A quick reference guide



Inmarsat offers an unrivalled range of reliable maritime communications and safety services.

From small fishing boats and leisure craft, to large merchant ships and other deep-sea vessels, our maritime services deliver global reach, security and reliability regardless of the type and size of your vessel.

		FleetBroadband						
		FleetPhone	Fleet 33	Fleet 55	Fleet 77	FB150	FB250	FB500
Maritime services	Coverage	Areas of Asia, Indian Ocean and Africa	Voice through global beams. Fax, 9.6kbps data and MPDS through spot beams	Voice through global beams. Fax, ISDN, MPDS and 3.1Khz audio through spot beams	Voice, fax, MPDS, 64kbps ISDN through global beams. 128kbps ISDN through spot beams	Voice and data are available globally except for the extreme polar regions	Voice, fax and data are available globally except for the extreme polar regions	
	Voice	3.6kbps digital	4.8kbps digital	4.8kbps digital 3.1kHz audio	4.8kbps digital 3.1kHz audio	4kbps AMBE+2	4kbps AMBE+2 3.1kHz audio**	4kbps AMBE+2 3.1kHz audio
	Fax	N/a	9.6kbps Group 3 fax	Group 3 fax (option) 9.6kbps Group 4 fax 64kbps	Group 3 fax (option) 9.6kbps Group 4 fax 64kbps	N/a	Group 3 fax via 3.1kHz audio	Group 3 fax via 3.1kHz audio
	SMS	N/a	Via 3 rd party IP applications	Via 3 rd party IP applications	Via 3 rd party IP applications	Standard 3G – up to 160 characters	Standard 3G – up to 160 characters	Standard 3G – up to 160 characters
	Data – Circuit-switched	N/a	9.6kbps circuit-switched channel*	Euro ISDN: 64kbps (128kbps with 2 bonded channels/terminals)	Euro ISDN: 64kbps standard Up to 128kbps option (subject to service provision and a 128kbps enabled terminal)	N/a	N/a	Euro ISDN: 64kbps standard
	– Mobile Packet Data Service (MPDS)	N/a	Up to 28/64kbps (send/receive) through a shared channel	Up to 64kbps through a shared channel	Up to 64kbps through a shared channel	N/a	N/a	N/a
	– Standard IP – Streaming IP	N/a N/a	N/a N/a	N/a N/a	N/a N/a	Up to 150kbps N/a	Up to 284kbps 32, 64, 128kbps	Up to 432kbps 32, 64, 128, 256kbps
	Pre-pay option	Yes	Yes	Yes	Yes	Yes	Yes	Yes

*Effective up to 40kbps using V.42Bis and V.44 compression ** Above 20 degree elevation

		FleetPhone	Fleet 33	Fleet 55	Fleet 77	FB150	FB250	FB500
Maritime services	Call waiting	Yes	Yes, on voice during MPDS data sessions	Yes, on voice during MPDS data sessions	Yes, on voice during MPDS data sessions	Yes	Yes	Yes
	Safety	N/a	N/a	N/a	Fully compliant for GMDSS voice prioritisation and pre-emption to IMO A.888 (21)	N/a	N/a	N/a
	Antenna – weight – size	750g 16.2cm diameter 14.6cm tall	4.5-8kg 25-35cm diameter	15-18kg 50-60cm diameter	27-80kg 75-90cm diameter	2.5kg From 27.5cm diameter From 22.1cm tall	From 3.9kg From 32cm diameter From 28cm tall	From 16kg From 60cm diameter From 63cm tall
	Operating conditions (ADE)	-25°C to +55°C	-25°C to +55°C	-25°C to +55°C	-25°C to +55°C	-25°C to +55°C	-25°C to +55°C	-25°C to +55°C
	Below deck equipment – approx. weight – typical size	1.3kg 8.2 x 22.1 x 23.1cm	1.5kg 31 x 18 x 8cm	2.5kg 38 x 16.4 x 5.5cm 22 x 27 x 7.5cm	2.5-7kg 38 x 37.2 x 8.6cm 53.75 x 37.2 x 16.3cm	2.0-2.8kg 27.8 x 23.1 x 4.1cm 28.7 x 22.9 x 6.9cm	2.0-4.1kg 26.4 x 27.3 x 4.2cm 22.1 x 16.6 x 6.4cm 37.5 x 26.5 x 6.5cm	2.0-4.1kg 26.4 x 27.3 x 4.2cm 22.1 x 16.6 x 6.4cm 37.5 x 26.5 x 6.5cm
	Telephone handsets	Integrated 3m handset cable	2-wire analogue or ISDN. May be placed up to 100m from the BDE	2-wire analogue or ISDN. May be placed up to 100m from the BDE	2-wire analogue or ISDN. May be placed up to 100m from the BDE	2-wire analogue or IP. May be placed up to 100m from the BDE	2-wire analogue or IP. May be placed up to 100m from the BDE	2-wire analogue or IP. May be placed up to 100m from the BDE
	Connectors include	RS-232 serial data port	RJ-45 RS-422 serial port USB serial port RS-232 serial data port	X.21 RJ-11 RJ-45 RS-449 serial port USB serial port RS-232 serial data port	X.21 RJ-11 RJ-45 RS-449 serial port USB serial port RS-232 serial data port RS-422 serial data port	Ethernet/PoE NMEA-0183 - GPS output	RJ-11 RJ-45 Ethernet/PoE USB NMEA - 0183 - GPS output	RJ-11 RJ-45 Ethernet/PoE USB
	Configuration	N/a	Through a PC connected to control ports (RS-232/USB/Ethernet)	Through a PC connected to control ports (RS-232/USB/Ethernet)	Through a PC connected to control ports (RS-232/USB/Ethernet)	Through a PC connected to control ports (Ethernet)	Through a PC connected to control ports (RS-232/USB/Ethernet)	Through a PC connected to control ports (RS-232/USB/Ethernet)
	User interface	Integrated handset	ISDN control handset, menu screens on PC	ISDN control handset, menu screens on PC	ISDN control handset, menu screens on PC	IP control handset, menu screens on PC	IP control handset, menu screens on PC	IP control handset, menu screens on PC
	Indicative vessel type	Small fishing vessels, leisure craft and regional merchant fleets. Suitable for crew calling and bridge communications	Short-sea merchant ships patrol boats, workboats yachts, fishing vessels	Medium-size merchant ships, large yachts, fishing vessels, patrol boats, offshore support craft	Large merchant ships, deep-sea vessels, government vessels, research ships, super yachts, offshore vessels	Small to medium-sized vessels in merchant, fishing, leisure, government, offshore industries	Small to medium-sized vessels in merchant, fishing, leisure, government, offshore industries	Large merchant ships, deep-sea vessels, government vessels, research ships, super yachts, offshore vessels

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