

TDI-Brooks International, Inc.

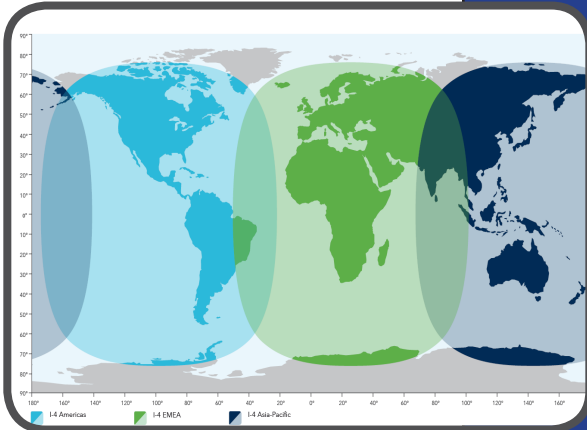
Scientific Services on a Global Basis

SAILOR 250 FleetBroadband System

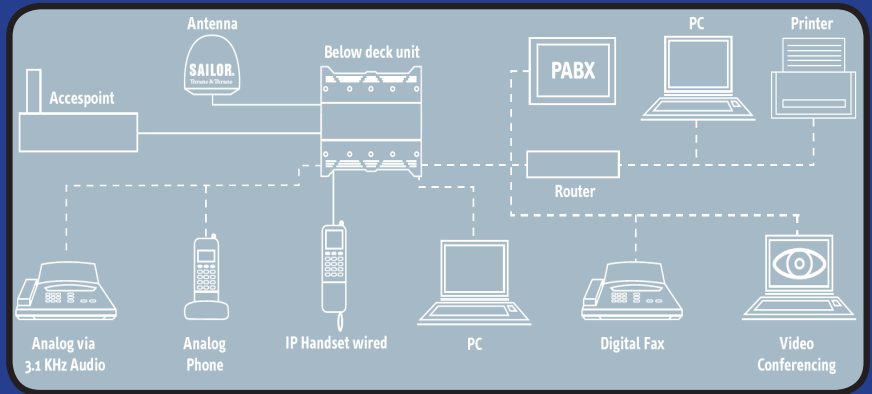


TDI-Brooks International has installed the SAILOR 250 FleetBroadband system on all five of its vessels. The SAILOR 250 FleetBroadband employs Inmarsat's next I-4 satellite service, FleetBroadband, which gives communication with our vessels exceptional reliability and functionality worldwide.

- IP connection for e-mail and internet/intranet access including secure VPN
- Ability to receive program data and products immediately from vessel
- Voice and data simultaneously
- Data speeds up to 284 kbps from an antenna less than 30 cm and 5 kg.



Sailor 250 Options



Sailor 250 Specifications



Specifications		Telephone Functionality	
Inmarsat FleetBroadband approved		Phone book	
Compliant to RTTE, CE Marked		Message indication	
FCC	Tested to FCC part 25	Restricted dialing	
Frequency Band		Traffic logging	
Rx	1525.0 - 1559.0 MHz	Ship Motion	
Tx	1626.5 - 1660.5 MHz	Roll	+/- 30 deg. per. 4 s, max 0.7 g tan.
Ch. width	10.5 - 189 kHz, Rx 21 - 189 kHz, Tx	Pitch	+/- 15 deg. per. 3 s, max 0.6 g tan.
Global Services		Yaw	+/- 10 deg. per. 5 s, max 0.3 g tan.
Voice	4 kbps AMBE+2 3.1 kHz Audio	Surge	+/- 0.5g
Standard IP	284/284 kbps	Sway	+/- 0.5g
SMS	Up to 160 characters	Heave	+/- 0.7g
Fax	Group 3 (via 3.1 kHz Audio)	Turning rate	+/- 36°/s; ACC 12°/s²
		Headway	speed 22 m/s (42 knots)
		Wind	100 knots
		Dimensions and Weight	
		ADU	329.2 x Ø275.6 mm, 4.2 kg
		BDU	42.5 mm/264.5 mm/273 mm, 2.5 kg



1902 Pinon Dr, College Station, TX 77845
Tel 979-693-3446, www.tdi-bi.com

Dr. James M. Brooks
President, CEO
Tel 979-696-3634
Drjmbrooks@aol.com

Dr. Bernie B. Bernard
Vice-President, Chief Technology Officer
Tel 979-693-3446
Berniebernard@tdi-bi.com