

Clarifying the jargon

Unravelling the terminology relating to VSAT services, solutions, antennas and other satellite communication solutions referred to in this guide

ABS	automatic beam switching	MB	megabytes (million) of data
ACM	adaptive coding and modulation	Mbps	million bytes per second data speeds
ACU	antenna control unit	MBR	maximum burst rate
BUC	block up converter (for data conversion)	MHz	megahertz (unit of frequency)
C, Ka, Ku	frequency bands used by maritime VSAT	MIR	maximum information rate
CIR	committed information rates	MPLS	multi-protocol label switching
CDMA	code division multiple access	MSS	mobile satellite services
DP	dynamic positioning	MPX	media exchange point
DVB-S2	digital video broadcasting for a second generation of satellites	NMEA	National Marine Electronics Association (US)
Ecdis	electronic chart display and information system	OpenAMIP	internet protocol for communication between antenna, controller and satellite
ENC	electronic navigational chart	OSV	offshore support vessel
EVDO	evolution-data optimised	PAYS	pay as you sail (ENC supply)
FAP	fair access policy	PEP	performance enhancement proxy
FEC	forward error correction	PLL	phase-locked loop
GB	gigabytes of data	PSTN	public switched telephone network
GMDSS	global maritime distress and safety system	QHSE	quality, health, safety, and environment
GPS	global positioning system	QoS	quality of service
GSE	generic stream encapsulation (of data)	RCS	return channel via satellite
GSM	global system for mobile communications	RF	radio frequency
gt	gross tonnage of ships	ROSS	roaming oceanic satellite server
GUI	graphic user interface	SCPC	single channel per carrier
IBS	integrated bridge system	SCADA	supervisory control and data acquisition applications
ICT	information and communications technology	Solas	(international convention for the) safety of life at sea
IEC	International Electrotechnical Commission	STCW	(international convention on) standards of training, certification and watchkeeping for seafarers
IMA	integrated marine antenna	TCP	transport control protocol
IMO	International Maritime Organization	TDMA	time division multiple access protocol
INS	integrated navigation system	USB	universal serial bus (standardised computer port)
IMSO	International Mobile Satellite Organization	VCM	variable coding and modulation
IPTV	television over an internet protocol	VHF	very high frequency
Kbps	thousand bytes per second data speeds	VoIP	voice over an internet protocol
L-band	frequency band used for VSAT back up	VPN	virtual private network
LAN	local area network	VSAT	very small aperture terminal
LDPC	low-density parity-check	WAN	wide area network
Leo	low earth orbit satellites	WiFi	wireless fidelity (short range wireless connectivity)
LNB	low-noise block down converter		
LO	local oscillator (frequency oscillation)		