

Maritime
Services

**World-class telecommunications
and Safety Of Life At Sea.**

Telkom
Business



TELKOM MARITIME SERVICES

We are committed to providing a world-class telecommunications and Safety Of Life At Sea service to all maritime customers. This brochure serves as a source of information for all maritime customers encouraging the use of Telkom maritime services thereby enhancing their safety of life at sea.



SOLAS

Nothing prevents a mobile station or mobile earth station in distress from using any means at its disposal to attract attention, make known its position and obtain assistance. Nothing prevents a coast or land earth station from using any means at its disposal to assist a mobile station in distress. Port Elizabeth Radio (ZSQ), Durban Radio (ZSD) and Cape town Radio (ZSC) all continue to exist but are centralised at Cape Town.

Services:

AUTOLINK - COSPAS - SARSAT - Digital Selective Calling - Distress Watchkeeping - Maritime Safety Information - Voice - NAVTEX - SafetyNET - Free Medical Advice (Medico's) - Acceptance of AMVER, OBS, PORTHEALTH Quarantine Pre-Arrival Reports and SAFREPS - Radio Telephony Ship to Shore, Shore to Ship and Land Mobile Service.

This service includes watchkeeping on all international distress and safety frequencies:

- **Very High Frequency (VHF)**
Channel 16, from 27 remote controlled stations
- **Medium Frequency (MF)**
21 82 kHz, from 17 remote controlled stations
- **High Frequency (HF)**
Radio telephone 4, 8, 12 and 16 MHz

- **Digital Selective Calling**
(DSC Sea Area A3) on 4, 6, 8, 12 and 16 MHz
- **COSPAS/SARSAT**
Satellite tracking of 406 MHz distress beacons

As a member of SASAR we are the first point of contact in any SOLAS related incident. We provide all the necessary communications to ensure that no lives are endangered or lost at sea during such instances by operating within IMO and ITU regulations.

AUTOLINK

An add-on item of equipment, interfaced with the ship station's RT transceiver, which allows crew-members to dial telephone numbers anywhere in the world, without the assistance of a coast radio station operator.

COSPAS/SARSAT

Low-earth, near-polar, sun-synchronous and geostationary orbiting satellites search the earth for active 406 MHz emergency beacons from aviation, maritime and terrestrial carriers in distress. Satellite downlink signals are converted at the LUT and fed to the MCC where the operator validates beacon information, matches position, resolves ambiguity and alerts the relevant aeronautical or maritime rescue co-ordination centre, so that a rescue may be launched.

The onus is on all beacon owners to ensure that all beacons are timeously and correctly registered with the relevant authorities.

Digital Selective Calling

Sea Area A3 & A4 – This technique uses digital codes to enable a radio station to establish contact with, and to transfer information to another station. Cape Town Radio guards: 4207.5, 6312, 8414.5, 12577 and 16804.5 kHz.

Subsequent radio telephone distress and safety traffic succeeding the original DSC alert is conducted on simplex on: 4125, 6215, 8291, 12290 or 16420 kHz.

Maritime Safety Information

The Cape Town, Port Elizabeth and Durban Radio navigational warnings and weather bulletins in force are combined and presented as one single-voice broadcast at 10:15 and 18:15 UTC daily. Transmission is affected on 4375, 8740 and 13146 kHz and on VHF channels:

Alexander Bay	04	Botha's Hill	25
Port Nolloth	01	Botha's Hill	27
Hondeklipbaai	25	Governorskop	83
Doringbaai	03	East London	26
Elandsbaai	23	Mazeppa Bay	28
Saldanha Bay	27	Port St Johns	24
Milnerton	25	Port Edward	27
Constantiaberg	26	Port Shepstone	26
Hermanus	04	Bluff (Durban)	26
Pearly Beach	85	Richards Bay	28
Struisbaai	84	Cape St Lucia	25
Albertinia	86	Sodwana	03
Knysna	23	Kosi Bay	01
Kareedouw	24		

The presentation comprises distress, urgency messages or gale warnings when present and latest weather forecasts for the following coastal and adjacent areas: Orange River to Cape Agulhas, Cape Agulhas to East London, East London to Maputo, Cape West, Cape East, Durban East and the Mozambique Channel.

This is followed with the NAVAREA and navigational warnings in force and the current traffic list. Weather forecasts for the high seas are available on request. The coastal weather reports, comprising observations taken at various stations around the South African coast at 12:00 daily, are combined and presented as one single-voice broadcast at 13:33.

NAVTEX 518 kHz F1B Medium Range

This Narrow-Band Direct-Printing telegraphy system is used for the transmission of navigational warnings and important information to ships. Cape Town, Port Elizabeth and Durban Radio have allocated transmission times. The highlighted time slots combine the coastal weather bulletins and navigational warnings in force.

Cape Town Radio					
00:20	04:20	08:20	12:20	16:20	20:20
Port Elizabeth Radio					
01:20	05:20	09:20	13:20	17:20	21:20
Durban Radio					
02:20	06:20	10:20	14:20	18:20	22:20

All times are in UTC.

SafetyNET

Enhanced Group Calls on SATCOM C addressing the high seas: Indian Ocean Region and the Atlantic Ocean Region East. This satellite-based service is used for the promulgation of meteorological and navigational warnings, forecasts and other urgent safety related messages.

09:40 Weather, 19:40 Weather and NAVAREA VII warnings.



Medico, SAFREP, OBS and Pre-Arrival Reports

Medical advice is free of charge. Medico messages are presented by telephone to the Metro doctor on duty who may request to speak to the Captain of the vessel to co-ordinate treatment for patients. Such RT calls are established by us.

Radio quarantine reports from vessels seeking health clearance are fed via our coast radio station operators to the relevant PORTHEALTH Officer who either grants "free pratique" or withholds pratique pending boarding on arrival. The submission of mutual assistance position and voluntary observing vessel weather reports by any means is encouraged. We accept International Ship and Port Facility Security code (ISPS) pre-arrival reports on behalf of MRCC Cape Town.

Radio Telephony Distress and Commercial

VHF Ch16: 27 transceiver sites.
Alexander Bay to Kosi Bay.

MF 2182 kHz: 6 transmitters and 11 receivers around the SA coast.

HF	ITU Channel	Coast Station	Ship/Aircraft
Simplex	Ch450	4125	4125
Duplex	Ch421	4417	4125
Duplex	Ch821	8779	8255
Simplex	Ch1250	12290	12290
Simplex	Ch1650	16420	16420
Duplex	Ch2221	22756	22060
Simplex	Ch 12 C	12359	12359
Simplex	Ch 16 D	16537	16537

The use of the duplex channels 1221 & 1621 ceased on 31 December 2003.

For commercial call and answer use, the simplex channels, Ch12 C and Ch16 D have been introduced.

The simplex frequencies 4125, 12290 & 16420 kHz are reserved for distress traffic only.

Manual Radio Telephony – Working Frequencies

ITU Channel	Cape Town Radio	Ship/Aircraft
403	4363	4071 *AUTOLINK
405	4369	4077
407	4375	4083
602	6504	6203
803	8725	8201 *AUTOLINK
805	8731	8207
808	8740	8216
1209	13101	12254
1224	13146	12299
1608	17263	16381
1633	17338	16456
2204	22705	22009
2206	22711	22015



Land Mobile

Cape Town Radio	Mobile Stations
4905	4817.5
6852	6836
8047	7610
14887	13895
14700	14585
20390	20050

TELKOM MARITIME SERVICES

- Automated and operator-assisted radio calls
- SOLAS for Safety Of Life At Sea

Enables you to stay in touch with your family, business and emergency services, while out to sea.

Switchboard: +2721 551 0700
Toll Free Fax: 0800 00 64 72
Enquiries and Bookings Toll Free: 0800 22 22 08
New Radio Telephone Accounts: 0800 22 33 39
Ships in South African Ports: 0800 20 19 87
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