

NAVAREA VII REPORT TO THE SAIHC16

16TH MEETING OF THE SOUTHERN AFRICAN AND ISLANDS
HYDROGRAPHIC COMMISSION (SAIHC16)
Cape Town, South Africa, 2 - 5 September 2019



International Hydrographic Organization
Organisation Hydrographique Internationale

Southern African and Islands Hydrographic Commission



Background



- The South African Navy Hydrographic Office (SANHO), Coordinator of NAVAREA VII, in conjunction with the South African Meteorological Service, promulgates and disseminates shipping safety messages and weather information.
- Cape Town Radio is the GMDSS service provider and as such, transmits all MSI on behalf of the Coordinator.



Current Status



- SafetyNET
 - MSI transmission is to the Indian Ocean (South Western Sector), and to the South Atlantic Ocean (South Easterly Sector)
 - Meteorological Forecasts and NAVAREA VII Warnings: 0940 and 1940 UTC
 - Land Earth Station 12 Burum; Service Provider: Stratos Mobile Networks
- NAVTEX
 - NAVTEX coverage out to 200 nm from Namibian and South African Coasts
 - Coast Radio Stations (South Africa) at:
 - Cape Town (**C**)
 - Port Elizabeth (**I**)
 - Durban (**O**)
 - (New) Cape Columbine (**U**)

Current Status



- NAVTEX (Contd.)
 - Coast Radio Stations at Walvis Bay, Namibia (**B**) NAVTEX service operational as of May/June 2019
 - Cape Town Radio includes Namibian Maritime Safety Information with its NAVTEX and SafetyNET MSI broadcasts until further notice

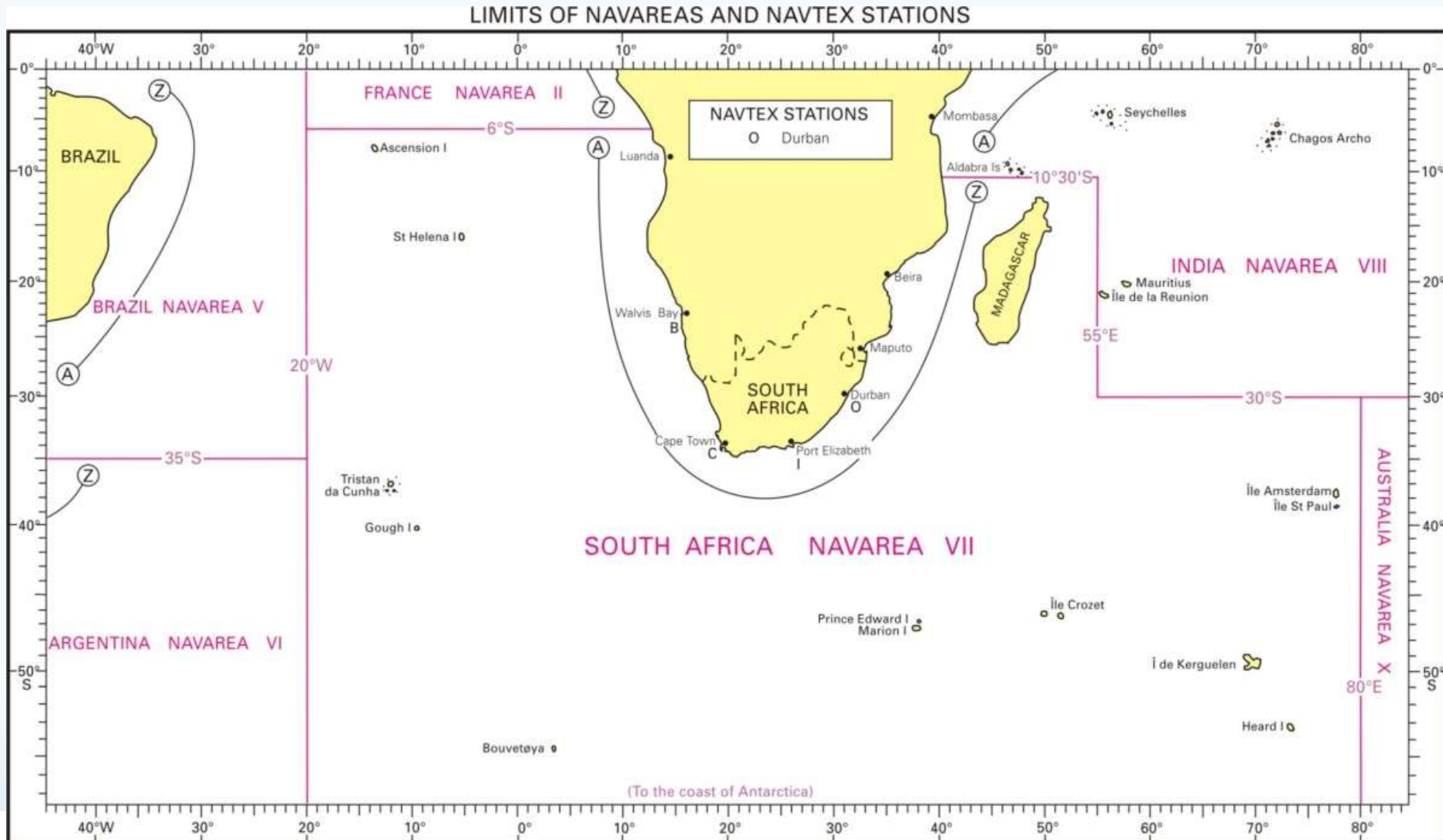


Current Status



- Radio Telephony: South Africa
 - Coastal Weather Bulletins and Navigational Warnings in force are combined and presented as one single-voice broadcast from Cape Town Radio at 1015 and 1815 UTC daily.
 - Transmission is on 3 HF channels, 27 VHF traffic channels sited around the South African coast from Alexander Bay in the West to Kosi Bay in the East.
- Radio Telephony: Namibia
 - MSI broadcasts are on 3 VHF channels and 2 HF channels from 2 coastal stations
 - Broadcast includes:
 - Navigational Warnings
 - Weather Forecasts and Traffic List and Coastal Weather Reports

Current Status



Current Status



Country	A1 Area	A2 Area	A3/A4 Area	NAVTEX	SafetyNET	Notes
Angola	P	P	P	No	Yes	warnings broadcast by SafetyNET
Madagascar	P	P	NI	No	Yes	warnings broadcast by SafetyNET
La Reunion	No	No	Yes	No	Yes	warnings broadcast by SafetyNET
Comores	NI	NI	NI	NI	Yes	
Mozambique	P	Yes	P	No	Yes	warnings broadcast by SafetyNET
Namibia	P	P	P	Yes	Yes	warnings broadcast by SafetyNET
South Africa	P	NI	Yes	Yes	Yes	warnings broadcast by SafetyNET

- P = Planned or to be decided
- NI = No Information

Significant Events



- Contingency Planning:
 - Contingency plan proposed and agreed between South Africa, France and Australia. During WNWWS-SC 9th Meeting, South Africa, France and Australia agreed to test the contingency plan during 2018.
 - Joint exercise successfully took place on 06 June 2018.
 - No contingency plan exercise was conducted in the current reporting period – planned for 2020

Identified deliverables and outputs



SafetyNET Messages Promulgated

2016 (338)				2017 (420)				2018 (424)			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
112	226	Nil	Nil	144	276	Nil	Nil	154	270	Nil	Nil

Coastal Navigational Warning Messages Promulgated

2016 (766)				2017 (748)				2018 (754)			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
193	388	Nil	Nil	80	668	Nil	Nil	85	669	Nil	Nil

Capacity Building



- SAIHC have identified Capacity Building initiatives with MSI as a very important first phase component.
- In accordance with the IHO and SAIHC capacity building initiatives, South Africa continues to provide or facilitate training and courses to develop expertise in the SAIHC region. Member states are invited to make use of the learning opportunities offered by the SANHO.
- The SANHO is aiming to become the centre of excellence in the region through its Training Facility, by embarking on achieving IHO/FIG CAT B accreditation for survey as well as cartography training.
- The SANHO is also embarking on developing an eLearning programme which will enable interested parties to raise awareness on matters relating to MSI and basic survey techniques, via an online learning facility.

Challenges and Concerns



- Angola:
 - No MSI reports received from Angola, except from Oil and Gas Industry - regularly reports on the movements of rigs, as well as other industry related matters, promulgated in Riglist warning
 - The concern remains that Angola does not report on MSI related matters in terms of events taking place on its coastal areas and ports
- Mozambique Institute of Hydrography and Navigation:
 - INAHINA promulgate monthly Notices to Mariners. Relevant MSI is passed to the NAVAREA VII Coordinator for transmission on SafetyNET
 - MSI reports mainly consist of Aids to Navigation being out of order, and the concern exists that no other information regarding maritime safety is generated and communicated to South Africa.

Challenges and Concerns



- Namibia:
 - NAVTEX service is operational as of May/June 2019
 - Inclusion of Namibian MSI with its NAVTEX and SafetyNET MSI broadcasts via Cape Town Radio still taking place.
 - MSI reports mainly consist of gunnery exercise warnings, port construction operations and the status of Aids to Navigation. Oil, gas and diamond mining sector provides updates on their vessels and activities.

Challenges and Concerns



- Madagascar:
 - Few MSI reports are received from Madagascar and mainly consist of the deployment of Aids to Navigation and related equipment being out of order
- Iles Comores:
 - There remains a near total lack of communication from Iles Comores
- Lack of transmitting stations:
 - The lack of NAVTEX Stations north of South African borders, namely Angola, Mozambique and Madagascar, is a persistent challenge.
 - The installation of radio communication network equipment, and operator training, are the two most important components that need to be addressed

Closing



- Summary:
 - The lack of NAVTEX Stations north of South African borders, namely Angola, Mozambique and Madagascar, is a persistent challenge. The installation of radio communication network equipment, and operator training, are the two most important components that need to be addressed. A dedicated Namibian NAVTEX service back has been brought into operation, and the station at Cape Columbine is now fully operational.
 - The slow progress and the lack of adequate MSI implementation by States in the Great Rift Valley in the Southern African region remains a persistent matter of concern.
 - The RHC (SAIHC) continuously strives to instil the awareness of maritime safety and encourages the implementation of MSI measures by member states.

Summary



- Recommendations:
 - Angola, Mozambique, Madagascar and Iles Comores are be encouraged to communicate MSI matters to the NAVAREA VII Coordinator in order to disseminate potentially hazardous matters to mariners operating in the relevant areas of interest.
 - Members are invited to note the SAIHC 16-25 NAVAREA VII Report, as well as SAIHC 16-SA-Annex A-VII



Thank you

