

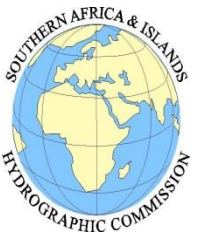
15th Meeting

SOUTHERN AFRICA AND ISLANDS HYDROGRAPHIC COMMISSION (SAIHC)

MSI Self Assessment – NAVAREA VII

South Africa

Presented by Captain (SAN) Theo Stokes
South African Navy Hydrographer, NAVAREA VII Coordinator



Aim

- To provide the SAIHC15 a brief report on the following:
 - Current status
 - Highlighting significant events in the previous period
 - Identified deliverables/outputs and capacity building
 - Matters requiring action

(Full reports can be downloaded from the SAIHC15 website)



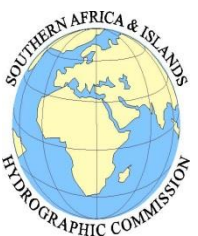
Scope

- Background
- Current status
- Significant events
- Identified deliverables and outputs
- Capacity training
- Challenges and concerns
- Closing



Background

- The South African Navy Hydrographic Office, 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 at
 - Cape Town (C)
 - Port Elizabeth (I)
 - Durban (O)



Current Status

- NAVTEX (Contd.)
 - Coast Radio Stations at Walvis Bay, Namibia (**B**) NAVTEX service is not operational
 - Cape Town Radio includes Namibian Maritime Safety Information with its NAVTEX and SafetyNET MSI broadcasts
 - Plans are currently formulated to bring a dedicated Namibian NAVTEX service back into operation

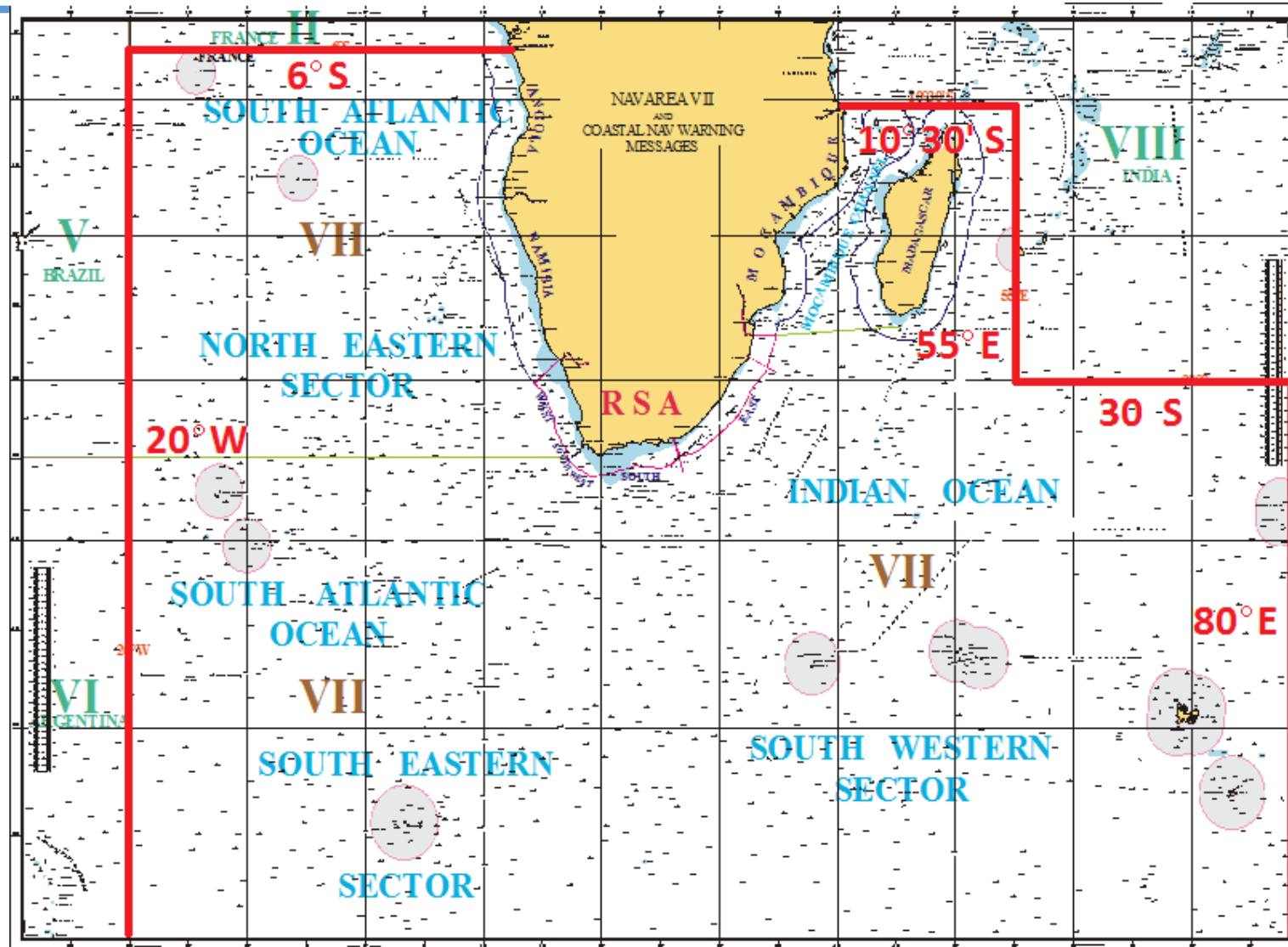


Current Status

- 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
 - Coastal Weather Reports



Current Status



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 subsequently took place on 06 June 2018. The exercise consisted of France simulating a total loss of capability, with South Africa broadcasting a self-canceling message on France's behalf.
- The message was successfully broadcasted within 30mins of receipt by the SANHO.
- No response was received from Australia during the planning phase of this exercise and as a consequence was not involved in the exercise.



Identified deliverables and outputs

2015 (379)		2016 (338)		2017 (420)	
E-mail	Fax	E-mail	Fax	E-mail	Fax
129	250	112	226	144	276

NAVAREA VII Messages

2015 (766)		2016 (581)		2017 (748)	
E-mail	Fax	E-mail	Fax	E-mail	Fax
261	505	193	388	80	668

Coastal Navigation Warning Messages



Capacity Building

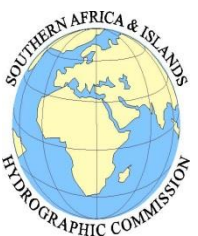
- MSI Training Courses:

- As part of the CBSC initiatives, the IHO hosted an IHO SAIHC MSI Course at Fish Hoek, Republic of South Africa, from 05 to 07 September 2017. Delegates from the following states attended:
 - Angola, Bangladesh, Comoros, Gambia
 - Kenya, Madagascar, Mauritius, Mozambique
 - Namibia, Nigeria, Oman, Pakistan, Seychelles
 - South Africa, Sri Lanka, Sudan and Thailand
- Consequently, one delegate from South Africa has already been utilized as the standby MSI Officer at the SANHO on several occasions, proving the effectiveness of the course.



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.



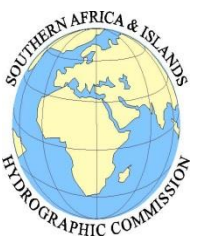
Challenges and Concerns

- Namibia:
 - NAVTEX service is not operational
 - Challenge mitigated by inclusion of Namibian MSI with its NAVTEX and SafetyNET MSI broadcasts via Cape Town Radio
 - Plans are currently formulated to bring a dedicated Namibian NAVTEX service back into operation
 - MSI reports mainly consist of gunnery exercise warnings, port construction operations and the status of Aids to Navigation.



Challenges and Concerns

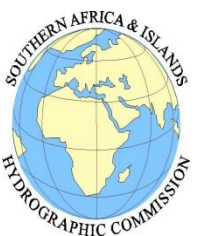
- Madagascar:
 - Few MSI reports are received from Madagascar and mainly consist of the deployment of Aids to Navigation and related equipment being out of order
- Iles Comores:
 - There remains a near total lack of communication from Iles Comores
- Lack of transmitting stations:
 - There remains a lack of NAVTEX transmitting stations north of the South African international borders
 - No apparent acquisition of MSI transmitting apparatus or implementation of MSI dissemination by States in the Great Rift Valley in the Southern African region
 - MSI capacity building and training does take place



Closing

- Summary:

- There remains a lack of NAVTEX Stations north of the South African international borders.
- Plans are currently formulated to bring a dedicated Namibian NAVTEX service back into operation.
- This requirement is constantly communicated to the delegates of these countries at SAIHC Conferences
- 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 contingency plan between NAVAREA VII and NAVAREA II and NAVAREA X acting as backup for the NAVAREA VII SafetyNET broadcasts have been tested operationally in June 2018



Summary

- Recommendations:
 - Mozambique, Angola and Iles Comores should be encouraged to communicate MSI matters to the NAVAREA VII Coordinator in order to disseminate these potentially hazardous matters to mariners operating in the relevant areas of interest
 - SAIHC Members, Associate Members and the IHO Secretariat are invited to take note of the report



Thank You



SAIHC15, SEYCHELLES, 27-30 AUGUST 2018