

Input to the IHO Publication P-5 (*Yearbook*)

Country: REPUBLIC OF SOUTH AFRICA
Organization: SOUTH AFRICAN NAVY HYDROGRAPHIC OFFICE

(Please provide the information in English)

Contact information/ Informations de contact / Información de contacto	
-National Hydrographer or equivalent -Directeur du service hydrographique ou équivalent -Director del Servicio Hidrográfico o equivalente	Post: HYDROGRAPHER Name: THEO STOKES Postal address: SA NAVY HYDROGRAPHIC OFFICE, PRIVATE BAG X1, TOKAI, 7966 Tel: +27 21 787 2408 Fax: +27 21 787 2233 Email: HYDROSAN@IAFRICA.COM
-Head of the Hydrographic Office (if different from the person indicated above) -Directeur du Service Hydrographique (si différent de la personne indiquée ci-dessus) -Director del Servicio Hidrográfico (si diferente de la persona indicada anteriormente)	Post: Name: Postal address: Tel: Fax: Email:
-Other point(s) of contact -Autre(s) point(s) de contact -Otros punto(s) de contacto	CDR C. THEUNISSEN (ASSISTANT HYDROGRAPHER) MRS J. NENGWENANI (SUPP. DIGITAL CHARTS) MR A. VAN CRAEYNST (SUPP. PAPER CHARTS) MS R. FARRE (SUPP. TIDAL INFORMATION) MS C. HENDRICKS (ADMINISTRATION OFFICER) MRS E. VAN WYK (FRONT OFFICE MANAGER)
-Web site -site web -sitio web	NO CHANGE REQUIRED
Country information / Informations sur le pays/ Información sobre el país	
-Declared National Tonnage -Tonnage national déclaré -Tonelaje Nacional Declarado	NO CHANGE REQUIRED
-National day -Fête nationale -Fiesta nacional	NO CHANGE REQUIRED

-Date of establishment and Relevant National Legislation -Date de mise en place et législation nationale pertinente -Fecha de constitución y legislación nacional pertinente	NO CHANGE REQUIRED
-Date first joined IHO -Date d'adhésion à l'OHI -Fecha de adhesión a la OHI	NO CHANGE REQUIRED
-Date ratification Convention -Date de ratification de la Convention -Fecha de ratificación de la Convención	NO CHANGE REQUIRED
-Remarks on membership -Remarques sur l'adhésion -Comentarios sobre la adhesión	NO CHANGE REQUIRED
Agency information/ Information sur l'agence/ Información sobre la agencia	
-Top level parent organisation -Organisme mère -Organización asociada de nivel superior	NO CHANGE REQUIRED
-Principal functions of the organisation or the department -Attribution principales de l'organisme ou du département -Principales funciones de la Organización o departamento	NO CHANGE REQUIRED
-Annual operating budget -Budget annuel -presupuesto anual	NO CHANGE REQUIRED
-Total number of staff employed -Effectifs totaux -Número total de personal empleado	NO CHANGE REQUIRED

-Number of INT charts published -Nombres de cartes INT publiées -Número de cartas INT publicadas	44			
-Total number of paper charts published-Nombre total de cartes papier publiées-Número total de cartas de papel publicadas	104			
-Number of ENC cells published -Nombres de cellules ENC publiées -Número de células ENC publicadas	57			
-Number of Other charts -Nombre d'Autres cartes -Número de Otras cartas	0			
-Type of publications produced -Type d'ouvrages produits -Tipo de publicaciones producidas	SAN HO-1 South African South African List of Lights, Fog Signals and Radio Services SAN HO-2 South African Tide Tables SAN HO-3 South African Chart Catalogue SAN HO-6 (INT 1) Symbols and Abbreviations SAN HO-15 International Regulations for Preventing Collisions at Sea 1972 SAN HO-21 South African Sailing Directions Vol I SAN HO-22 South African Sailing Directions Vol II SAN HO-23 South African Sailing Directions Vol III SAN HO-9 Sight Form (Book of 50 forms)			
-Detail of surveying vessels/ aircraft -Détail des bâtiments hydrographiques / aéronefs -Detalle de los buques hidrográficos / aeronaves	-Name -Nom -Nombre	-Displacement -Déplacement - Desplazamiento	-Date Launched -Date de mise en service -Fecha de botado	-Number of crew -Nombre de l'équipage - Tripulación
	NO CHANGE REQUIRED			

Input to the IHO Publication C-55 (*Status of Hydrographic Surveying and Charting Worldwide*)

Country: REPUBLIC OF SOUTH AFRICA
(Please provide the information in English)

C-55 Summary for:				Comments on Charts:
Country:	REPUBLIC OF SOUTH AFRICA			
Country Iso Code:				
Country SubCode:				
INT Region:	REGION H			
Country/Depend:				
Last updated:				
Provided by:				
Chart coverage	Passage (%)	Coastal (%)	Port (%)	Comments on Surveys:
INT	96	100	100	
RNC	0	0	0	
ENC	100	100	100	
Status of Paper Charts				
Paper charts with depths in meters (%)			100 %	
Paper charts referenced to a satellite datum (%)			92%	
Status of surveys	Adequate (%)	Resurvey (%)	No survey (%)	
0-200m				
> 200m				

MSI	Y/N	Comments on MSI:
Local warning	Y	
Coastal warning	Y	
Nav warning	Y	
Port warning	Y	
GMDSS	Y/N	Comments on GMDSS:
Master Plan	Y	
Area A1	N	PLANNED FOR
Area A2	N	NOT IMPLEMENTED
Area A3	Y	
NAVTEX	Y	
SafetyNet	Y	

National MSI Self-Assessment

Country: REPUBLIC OF SOUTH AFRICA

Organization: SOUTH AFRICAN NAVY HYDROGRAPHIC OFFICE

1. Maritime area

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, via Telkom Radio services, is the GMDSS service provider and as such, transmits all MSI on behalf of the Coordinator.

SafetyNET

MSI transmission is to Indian Ocean Region (IOR) and to Atlantic Ocean Region East (AOR-E). Meteorological Forecasts and NAVAREA VII Warnings: 0940 and 1940 UTC. Land Earth Station 12 Burum; Service Provider: Stratos Mobile Networks.

Radio Telephony

South Africa: For the benefit of non-GMDSS adapted vessels, the Cape Town, Port Elizabeth and Durban Radio 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. The coastal weather report as at 1200 UTC is broadcast at 1333 UTC. Transmission is on HF on 4375, 8740 and on 13146 kHz and on 29 VHF traffic channels sited around the South African coast from Alexander Bay in the West to Kosi Bay in the East.

Namibia: All RT MSI broadcasts are on VHF LZ Ch23; WVS Ch26 & 27 and on HF: 4357 & 8719 kHz

0903 UTC: Navigational Warnings

0935 UTC: Weather Forecasts and Traffic List

1235 UTC: Coastal Weather Reports

1635 UTC: Weather Forecasts and Traffic List

Newly received navigational warnings are broadcast on receipt and thereafter are included in the once daily navigational warning broadcast at 0903 UTC.

Geographical Limits of NAVAREA VII:

Southern Africa – South Atlantic Ocean (AOR-E):

6° 00'S, 020° 00'W (Angola international border with The Democratic Republic of the Congo (DRC),

(West Coast) to the coast of Antarctica

and

Southern Africa – Indian Ocean (IOR):

10° 30'S, 055° 00'E (Mozambique international border with Tanzania, (East Coast) to 30° 00'S, 055° 00'E to 30° 00'S, 080° 00'E to the coast of Antarctica.

2. Operational Points of Contact for the National Coordinator

Operational Point of Contact for the National Coordinator within NAVAREA VII is:

Country	Institution	Telephone	Facsimile	Email
South Africa	South African Navy Hydrographic Office	+27 21 787 2445 +27 21 787 2408	+27 21 787 2233	hydrosan@iafrica.com

3. GMDSS Master Plan

Equipment Type	Software Version	Date of Up-date
SafetyNET MSI via E-mail (SATCOM C)	Outlook 2016	June 2017
Navtex 518 kHz NBDP	Frequentis Tracking and Tracing Message Centre	2019
MSI via VHF and HF voice broadcast	Frequentis PC Dispatcher	2019

The GMDSS Master Plan for NAVAREA VII is up to date (May 2019).

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

NAVAREA VII Messages with Immediate Priority

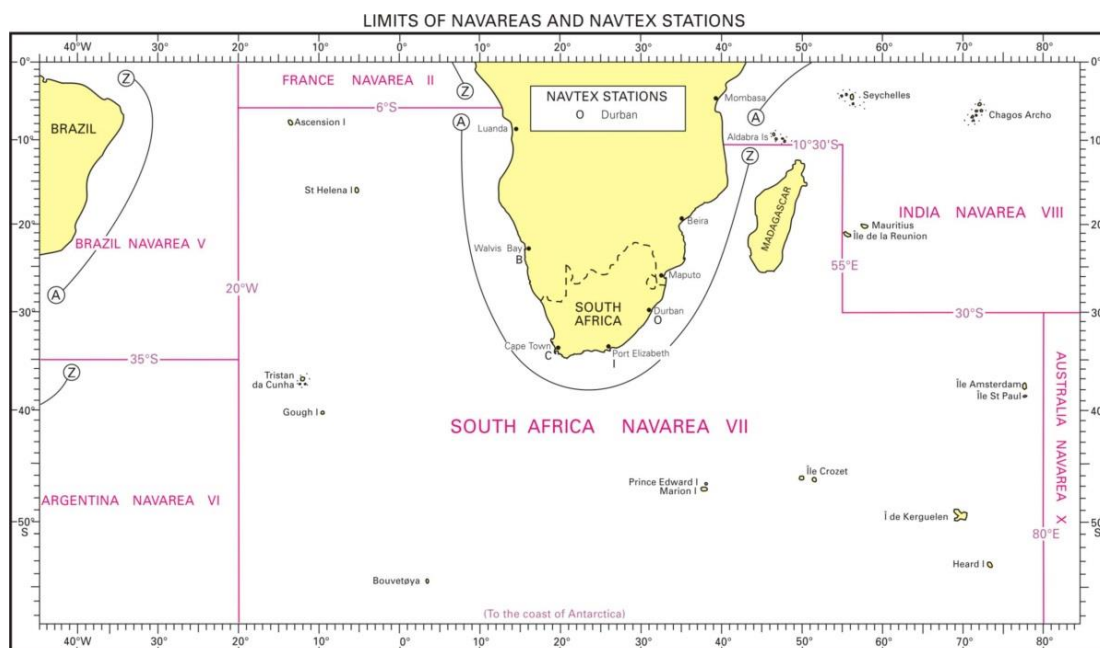
2016		2017		2018	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
338	30 minutes	420	30 minutes	424	30 minutes

All MSI messages are promulgated with Immediate Priority. Average time elapsed between receipt of the message request by the SANHO and promulgation of the message by Cape Town radio is 30 minutes.

4. NAVTEX Coverage

NAVTEX coverage out to 200 nm from the Namibian and South African Coasts is passed from the Coast Radio Stations at Cape Town (C), Port Elizabeth (I) Durban (O) and Cape Columbine (U). The Coast Radio Station at Walvis Bay, Namibia (B) NAVTEX service is operational since 28 June 2019. Cape Town Radio includes Namibian Maritime Safety Information with its scheduled NAVTEX and SafetyNET MSI broadcasts, subject to notification from Namibia that South Africa may cease Namibian broadcasts.

Station	Transmitter Identification Character (T.I.C) – B1 Character	Contact No
Walvis Bay Maritime Radio	B	+264 64 203581 (24H) Mobile: +264 811242697
Cape Town	C	+27 21 551 0700 Port Elizabeth, Cape Columbine and Durban is remotely controlled from CT Radio.
Port Elizabeth	I	
Durban	O	
Cape Columbine	U	



5. Operational Issues:

Nil.

6. Contingency Planning

To ensure the continuous operational capability of MSI dissemination via SATCOM C SafetyNET, a contingency plan has been proposed and agreed in principle between South Africa, France and Australia. During WNWNS-SC 9th Meeting, South Africa, France and Australia agreed to test the contingency plan during 2018, and the joint exercise subsequently took place on 06 June 2018. No contingency plan exercise has been conducted in the current reporting period.

7. Capacity Building

SAIHC have identified Capacity Building initiatives with MSI as a very important first phase component. The IHO Capacity Building Sub-Committee (CBSC) has established a capacity building fund (CBF) to facilitate seed-corn activities such as technical workshops, visits and training courses within the region. As part of the SAIHC16 meeting in September 2019 in Cape Town, MSI responsibilities and capacity building initiatives will be on the agenda for discussion. The possible hosting of such workshops at the SANHO Training Facility, as well as an eLearning initiative has also taken shape, hosted by the SANHO, in order to facilitate capacity building initiatives into the future. South Africa has also distributed a contact details table similar to the attached appendix in July 2019 to all states within SAIHC for input and comment.

8. Other Activities

MSI awareness must be improved and the installation of radio communication equipment and associated operator training is imperative. The continuous efforts of SAIHC through courses, technical visits and discussions at conferences are aimed to achieve this objective.

9. National Maritime Website

NAVAREA Website. (http://www.sanho.co.za/_navarea7_bulletins/bulletin.htm).

SafetyNET and NAVTEX messages are published on both the website and internal SA Navy website (Intranet) and updated daily during office hours from Mon to Fri (07:30 – 16:00 SAST). The date and time is displayed at the very top of the messages in force. Outside normal office hours, MSI is monitored by Cape Naval Radio who provides a 24H watch-keeping service and is in constant telephone contact with the MSI Officer. Cape Town Radio is the primary 24H service operator responsible for the dissemination of MSI messages. All navigational warnings in force are published and displayed on the SA Navy Intranet, as well as the Internet. These include messages older than 42 days.

10. Recommendations

With the reintroduction of NAVTEX broadcasts from Walvis Bay, the necessity for South Africa to continue Namibian NAVTEX broadcasts need to be verified.

11. Summary:

- a. 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, via Telkom Radio services, is the GMDSS service provider and as such, transmits all MSI on behalf of the Coordinator by means of SafetyNET (MSI transmission is to Indian Ocean Region (IOR) and to Atlantic Ocean Region East (AOR-E)), radio telephony broadcasts and NAVTEX broadcasts.
- b. NAVTEX broadcasts in the region have been bolstered by the introduction of broadcast stations at Cape Columbine for South African broadcasts as well as Walvis Bay for Namibian broadcasts. The GMDSS master Plan have been updated to reflect both.
- c. All navigational warnings in force at are published and available at http://www.sanho.co.za/navarea7_bulletins/bulletin.htm. These include messages older than 42 days.