

MSI Self Assessment NAVAREA V

Submitted by BRAZIL

SUMMARY

Executive Summary: Overview of activities undertaken within NAVAREA V since WWNWS12

Action to be taken: Paragraph 12

Related documents: None

1. Background:

NAVAREA V is bounded by the coast of Brazil, the parallels of 07°00'N and 35°50'S, the meridian of 020°W. The Brazilian jurisdictional waters border with France (French Guiana) in the north and with Uruguay in the south.

Navigational Warnings and SAR information are issued daily at 0030 and 1230 UTC or as necessary via satellite by Inmarsat C covering East Atlantic Region East (AOR-E), and in the periods from 0400 to 0500 UTC, from 1430 to 1545 UTC and from 2130 to 2245 UTC via radio and internet (<https://www.marinha.mil.br/chm/dados-do-segnav-aviso-radio-nautico-tela/radio-navigational-warnings-and-sar-warnings>).

Operational Points of Contact for National Coordinators within the NAVAREA V:

COUNTRY	INSTITUTION	TELEPHONE	EMAIL
BRAZIL	Directorate of Hydrography and Navigation	+55 21 2189-3210	avradio@marinha.mil.br rafaela.castro@marinha.mil.br

2. Comments:

There are no new updates on the GMDSS Master Plan for NAVAREA V.

The following table shows the equipment used to monitor MSI broadcast by NAVAREA V.

Equipment Type (for SafetyNET)	Software Version	Date of Update
Primary: Thrane&Thrane TT-3026S	EasyMail v2.02	28 Feb 2013
Secondary: Thrane&Thrane TT-3022D	EasyMail v2.02	28 Feb 2013

Brazil received the Certificate of Authorization Number 5 from the IMO EGC Coordinating Panel issued on 8 January 2020 to broadcast Navigational Warnings through all the recognized service providers on GMDSS. Brazil does not have a service agreement with Iridium and is following closely the process for adoption of Iridium as an IMO provider for MSI broadcast. The Brazilian cost for issuing MSI through SafetyNET service is approximately US\$ 50,000.00 per year. The transmitted data volume is in the order of 10,000 KB per year, divided into equivalent information between NAVAREA V and METAREA V.

The table below shows the number of Navigational Warnings identified as immediate priority (requiring transmission within 30 minutes) and the average elapsed time per broadcast of these Navigational Warnings via SafetyNET over the past three years.

2018		2019		2020	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
174	19 Mins	450	18 Mins	97	17 Mins

The following table shows the total number of MSI (Coastal, Local and Oceanic Area) messages issued over the past three years.

2018	2019	2020
4040	5194	4867

3. NAVTEX Coverage: No.

4. Operational Issues:

4.1. MSI Messages Monitoring System

MSI messages broadcast through SafetyNET for the entire AOR-E footprint are constantly monitored in the NAVAREA V operations area. The monitoring system is operational since July 2015.

4.2. SafetyNET Service

The NAVAREA and Coastal Warnings are broadcast by SafetyNET, in English. The messages are issued twice a day, in programmed times at 0030Z and 1230Z, since March 2013 by the Service Provider Stratos with Burum - The Netherlands Land Earth Station (LES) - AOR-E satellite. This service provider is represented in Brazil by OnixTec Serviços Tecnológicos Ltda. (tel: +55 43 9914-3027; e-mail: suporte@onixtec.com.br).

4.3. “In force” Warnings Bulletins

NAVAREA V issues every Wednesday an “in force” warning bulletin.

Coastal State/Country	Number of MSI messages	Topics/Subjects of messages
South Coast of Brazil	138	Ship-to-Ship Operations
Amazon Basin in Brazil	111	Changes in the position of Aids to Navigation

5. Quality Management Survey:

NAVAREA	ISO 9001 -2008	Promulgate "In-Force" Bulletins	Promulgate "No-Warning" Messages	Monitor Broadcast	24/7 contact information provided	Promulgate two scheduled broadcasts	Certificates for all recognised service providers	IMO Master Plan updated
V	YES	YES	YES	YES	YES	YES	YES	YES

6. Contingency Planning:

The Brazilian Hydrographic Office (Directorate of Hydrography and Navigation) that operates NAVAREA V and the Argentine Hydrographic Office (*Servicio de Hidrografía Naval*) that operates NAVAREA VI have established a contingency plan in 2015 in order to take over MSI transmissions in the event of an unexpected interruption by one of the NAVAREAs. Once a year an exercise to execute the contingency plan is carried out by both NAVAREAs. This year the exercise was conducted in June with satisfactory results.

7. Capacity Building:

Between 16 and 18 October 2018, a Maritime Safety Information (MSI) Training Course under the responsibility of the South-West Atlantic Hydrographic Commission (SWAtHC) on behalf of the IHO Capacity Building Sub-Committee (CBSC) was held at the Directorate of Hydrography and Navigation (Brazil) with the support the IHO World-Wide Navigational Warning Service Sub-Committee (WWNWS-SC). SWAtHC invited representatives from adjacent Regional Hydrographic Commissions, the South-East Pacific Regional Hydrographic Commission (SEPRHC) and the Meso American - Caribbean Sea Hydrographic Commission (MACHC). Also, in order to publicize the importance of the subject as well as to disseminate the Capacity Building training program available to IHO Member States, it was possible to register a representative from Liberia. This training provided the opportunity for the participants to gain insight into the importance of the MSI and how to act to report certain events preventing a significant impact on the safety of navigation within its coastal region.

8. Other Activities:

Participation in IHO subsidiary organs virtual meetings and Regional Hydrographic Commissions conferences over past year.

9. NAVAREA V Website:

9.1. Website address: <https://www.marinha.mil.br/chm/dados-do-segnav-aviso-radio-nautico-tela/radio-navigational-warnings-and-sar-warnings>

9.2. Update frequency: twice a day.

9.3. Availability of cancelled warnings: since 2008, even if a warning is cancelled it will continue to be available on the website.

10. NAVAREA V Contact Information:

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11. Recommendations: None.

12. Actions requested:

a. to note the report.

b. to update the WWNWS-SC list of NAVAREA and Sub-area Coordinators Permanent Members with the information of the NAVAREA V Contact Information.

13. Summary:

The MSI Messages Monitoring System is a very important tool to confirm the receipt of the Navigational Warnings throughout the NAVAREA V region.

The Contingency Plan with NAVAREA VI provides peace of mind that there will be no interruption in the broadcast of MSI messages of interest to NAVAREA V.

There have been no other significant changes since our previous report to WWNWS12.

Annex:

Map of NAVAREA V

