

MSI Assessment for NAVAREA V

Reporting period from 1st Jan 2021 to 31th December 2021

Submitted by BRAZIL

SUMMARY

Executive Summary: Overview of activities undertaken within NAVAREA V

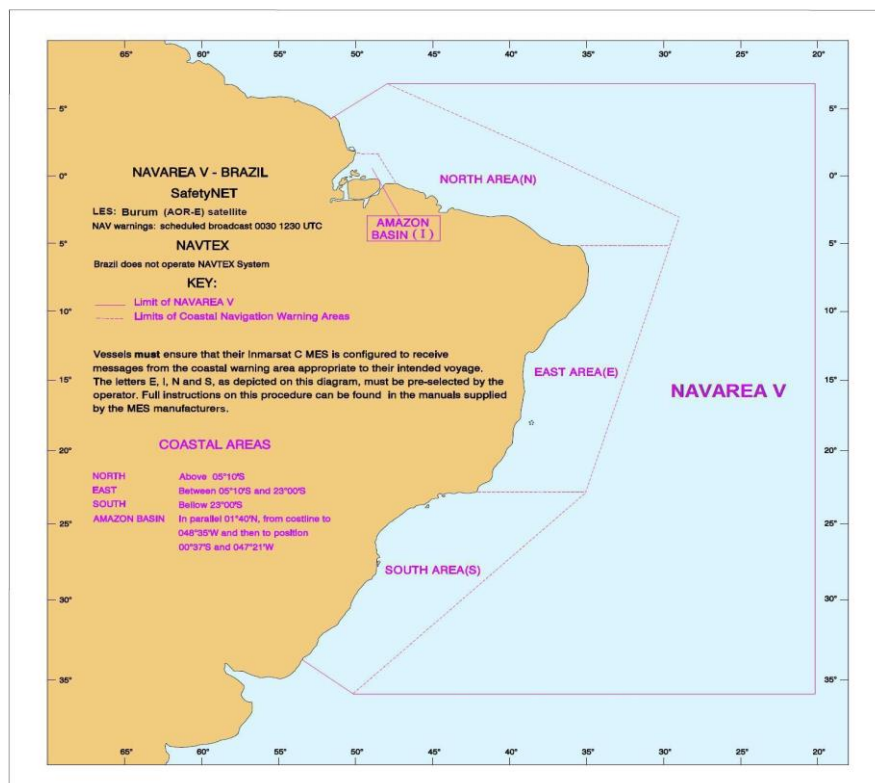
Action to be taken: Paragraph 12

Related documents: None

1. General information:

1.1. Geographic Boundaries of the NAVAREA including boundaries for any coastal warning Areas and NAVTEX Stations

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.



1.2. Operational Points of Contact for National Co-ordinators within the NAVAREA

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

GMDSS Master Plan:

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

2. NAVAREA EGC broadcast and monitoring equipment or software:

2.1. Details of EGC services:

Broadcast Equipment/Software	Broad cast schedule/Satellite	Manufacturer/Location (LES)/Implementation
SafetyNET	0030 and 1230, AOR-E	Burum
Iridium SafetyCast		Require cost assistance to begin trials
Monitoring Equipment/Software		Manufacturer/Software
TT-3026S		Thrane and Thrane / EasyMail 2.02

NAVTEX:

No NAVTEX coverage.

2.2. Other methods of promulgation:

None.

3. NAVAREA Metrics

3.1. Coastal Warnings issued by International NAVTEX or EGC coastal warning area:

Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times (UTC)	2021			
				Total number of warnings broadcast	Number of warnings broadcast with urgent priority (EGC) or vital (NAVTEX)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
Brazil	N/A	I	0030,	50	0	771	1,94

			1230				
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2021							
Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times UTC	Total number of warnings broadcast	Number of warnings broadcast with urgent priority (EGC) or vital (NAVTEX)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
Brazil	N/A	N	0030, 1230	63	0	608	1,4

2021							
Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times (UTC)	Total number of warnings broadcast	Number of warnings broadcast with urgent priority (EGC) or vital (NAVTEX)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
Brazil	N/A	E	0030, 1230	331	0	2276	6,07

2021							
Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times (UTC)	Total number of warnings broadcast	Number of warnings broadcast with urgent priority (EGC) or vital (NAVTEX)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
Brazil	N/A	S	0030, 1230	552	0	4427	11,37

2022							
Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times UTC	Total number of warnings broadcast	Number of warnings broadcast with urgent priority (EGC) or vital (NAVTEX)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
Brazil	N/A	I	0030, 1230	7	0	64	0,16

2022							
Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times UTC	Total number of warnings broadcast	Number of warnings broadcast with urgent priority (EGC) or vital (NAVTEX)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
Brazil	N/A	N	0030, 1230	34	0	470	0,97

2022							
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Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times UTC	Total number of warnings broadcast	Number of warnings broadcast with urgent priority (EGC) or vital (NAVTEX)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
Brazil	N/A	E	0030, 1230	200	0	1414	4,02

2022							
Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times UTC	Total number of warnings broadcast	Number of warnings broadcast with urgent priority (EGC) or vital (NAVTEX)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
Brazil	N/A	S	0030, 1230	246	0	2380	5,35

3.2. NAVAREA Warnings broadcasts:

Provider	2020			2021			2022 (until June)		
	Total number of warnings issued	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes	Total number of warnings broadcast	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes	Total number of warnings broadcast	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
SafetyNet	429	2768	8,37	901	3703	11,88	420	3162	9,23

3.3. Urgent EGC Warnings:
None.

3.4. VITAL Coastal Warnings:
None.

3.5. In-force warnings.

In-force bulletins issued:

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

Warnings older than 42 days are no longer issued via EGC are published in the Notices to Mariners.

3.5.1. Requests for In-force warnings:

2020	2021	2022
Total	Total	Total
01	13	60

3.6. Arctic navigational warnings broadcast by HF NBDP.
Not applicable.

4. Operational Issues:

4.1. MSI Messages Monitoring System

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).

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.

5. National Coordinator Communication:

5.1. IRCC Strategic Performance Indicator:
Not applicable.

5.2. Procedures.
Not applicable.

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 Website:

9.1. <https://www.chm.mb/dados-do-segnav-aviso-radio-nautico-tela/radio-navigational-warnings-and-sar-warnings>

9.2. Update frequency: twice a day.

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

10. NAVAREA Contact Information:

10.1. Lieutenant Rafaela Pereira de Castro
Tel: +55 (21) 2189-3210
E-mails: rafaela.castro@marinha.mil.br or avradio@marinha.mil.br

11. Recommendations:

None.

12. Actions requested:

12.1. To note the report.

13. Summary:

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

13.2. 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.

13.3. There have been no other significant changes since our previous report to WVNWS14.

Annex(es):

None.