

### MSI Assessment for NAVAREAV

Reporting period from 1<sup>st</sup> Jan 2022 to 30<sup>th</sup> June 2023

Submitted by BRAZIL

#### SUMMARY

Executive Summary: Overview of activities undertaken within NAVAREA V

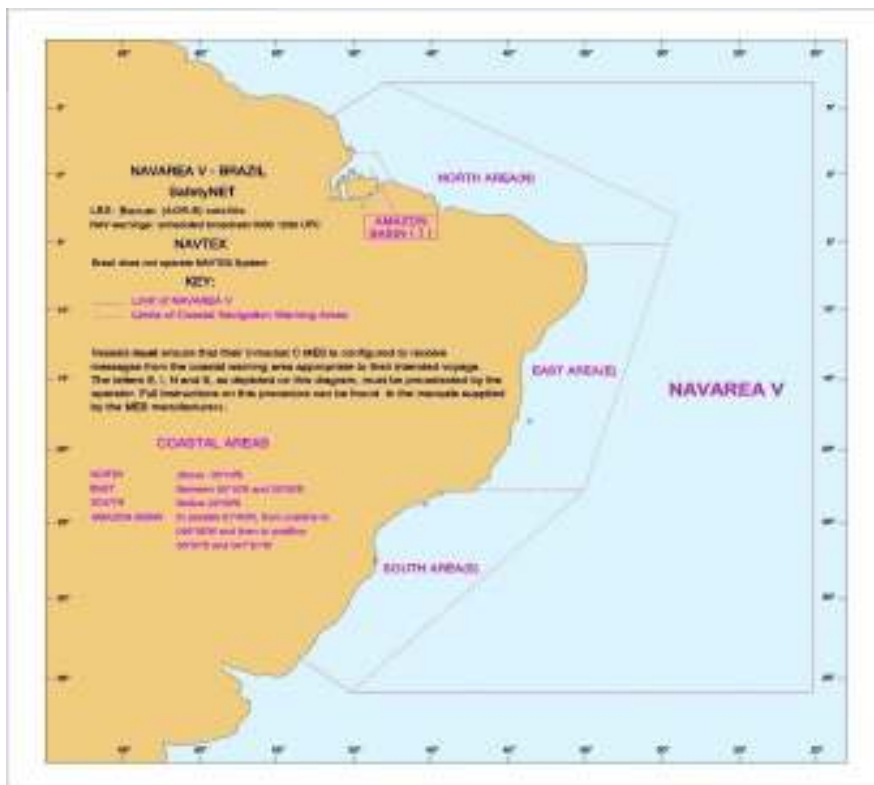
Action to be taken: Paragraph 12

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 Coordinators within the NAVAREA

COUNTRY	INSTITUTION	TELEPHONE	FAC SIMILE	EMAIL
BRAZIL	Directorate of Hydrography and Navigation	+55 21 2189-3248	-	<a href="mailto:avradio@marinha.mil.br">avradio@marinha.mil.br</a> <a href="mailto:rafaela.castro@marinha.mil.br">rafaela.castro@marinha.mil.br</a>

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
INMARSAT SafetyNET II	0030 and 1230	INMARSAT SafetyNET II
Monitoring Equipment/Software		Manufacturer/Software
TT-3026S		Thrane and Thrane / EasyMail 2.02

Brazil is waiting for the IMO to formally position itself on the mandatory adherence of NAVAREAs to all satellite systems approved to provide MSI. Until the moment, Brazil understands that IMO resolutions and documents do not result in this obligation.

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)	2022			
				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	07	0	156	0,05

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	39	0	1030	0,30

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	E	0030, 1230	331	0	4016	4,09

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	426	0	4822	2,56

2023							
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	2	0	60	0,01

2023							
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	29	0	635	0,18

2023							
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	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes

					(EGC) or vital (NAVTEX)		
Brazil	N/A	E	0030, 1230	107	0	1693	0,49

2023							
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	123	0	1459	0,36

### 3.2. NAVAREA Warnings broadcasts:

Provider	2021			2022			2023 (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	901	3703	11,88	634	4997	4,46	192	1820	0,65

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:

2021	2022	2023
Total	Total	Total
01	13	24

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

#### 4. Operational Issues:

##### 4.1. MSI Messages Monitoring System

##### 4.2. SafetyNET II Service

In January 2023, NAVAREA V has made the transition from SafetyNET to SafetyNET II. The NAVAREA and Coastal Warnings are broadcast, 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](mailto: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 Hidrografia 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. Twice a year an exercise to execute the contingency plan is carried out by both NAVAREAs.

In 2022, the exercise was conducted in June and September with satisfactory results.

Since NAVAREA V is now broadcasting by SafetyNET II and NAVAREA VI broadcasts MSI messages by SafetyNET, the exercise hasn't been conducted in 2023 yet.

#### 7. Capacity Building:

#### 8. Other Activities:

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

#### 9. NAVAREA Website:

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

9.1. 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 Commander Rafaela Pereira de Castro  
Tel: +55 (21) 2189-3248  
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. The transition between SafetyNET and SafetyNET II has been done by NAVAREA V.
- 13.4. The Contingency Planning exercise couldn't be done in 2023 due to the transition to SafetyNET II.

Annex(es):

None.