

## MSI Assessment for NAVAREA XV

Reporting period from 1<sup>st</sup> Jan 2022 to 31<sup>th</sup> Dec 2022

Submitted by Chile/SHOA

### SUMMARY

Executive Summary: Overview of activities undertaken within NAVAREA XV since WWNWS 14.

Key points:

- SafetyCast and SafetyNet II EGC services are implemented and fully operational.
- Regarding NAVTEX and EGC services, the information contained in the GISIS module is updated.
- Rapa Nui (Easter Island) NAVTEX station is temporarily out of service, meanwhile, coastal warnings of the mentioned area, are being emulated by EGC.
- There has been an effort to increase the training of the MSI operators.
- **No significant changes since WWNWS14 report.**

Action to be taken: Not included

Related documents: Not included

#### 1. General information:

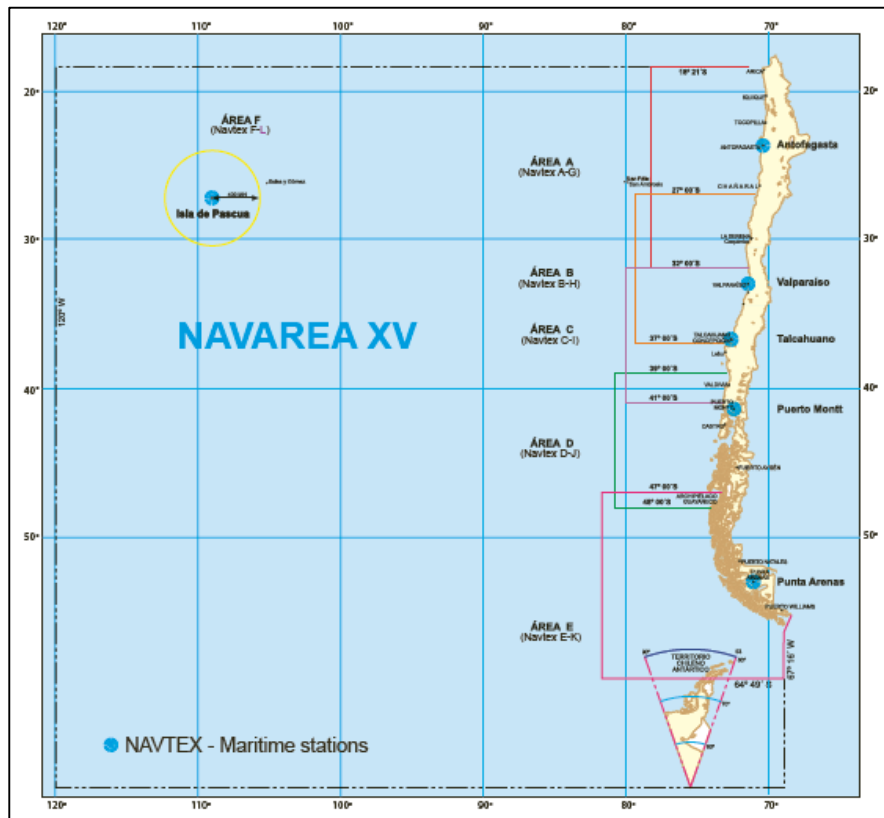
##### 1.1. Geographic Boundaries of the NAVAREA including boundaries for any coastal warning Areas and NAVTEX Stations

By the North: Parallel 18° 21' S.

By the South: The Antarctic Continent Coasts.

By the East: Chilean coast and the meridian 67° 16' W.

By the West: Meridian 120° 00' W.



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

COUNTRY	INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
Chile - Valparaíso	SHOA	+56 32 2266540 +56 32 2266548	+56 32 2266542	navareaxv@shoa.cl

## 1.3. GMDSS Master Plan:

- As instructed by GMDSS 1 CIRC.23 dated on March 4<sup>th</sup> of 2019, background information was updated in the new GISIS module.
- Since July 1st of 2022, Inmarsat Safetynet II service replaced the previous one (Safetynet).
- Since February 1st of 2022, Iridium's Safetycast service is operating.
- Regarding NAVTEX and EGC services, the information contained in the GISIS module is updated.

## 2. NAVAREA EGC broadcast and monitoring equipment or software:

### 2.1. Details of EGC services:

Valparaíso Playa Ancha RADIO is NAVTEX Coordinator and administrator of the EGC systems (Safetynet II and Safetycast) of NAVAREA XV and METAREA XV. Safetynet II and Safetycast EGC services are implemented and fully operational.

<b>Broadcast Equipment/Software</b>	<b>Broad cast schedule/Satellite</b>	<b>Manufacturer/Location (LES)/Implementation</b>
Inmarsat Safetynet II	10:10 - 22:10	Inmarsat web
Iridium SafetyCast	10:00 - 22:00	Iridium web
<b>Monitoring Equipment/Software</b>		<b>Manufacturer/Software</b>
Inmarsat Safetynet II		Mini C - Nera
Iridium SafetyCast		The implementation of a monitoring station will be managed.

## 2.2. NAVTEX:

<b>B<sub>1</sub> 518 kHz</b>	<b>B<sub>1</sub> 490 kHz</b>	<b>NAVTEX Station</b>	<b>Email</b>	<b>Telephone</b>	<b>Status</b>
A	G	Antofagasta, Chile	cbaradio@directemar.cl	+56 55 2630072	Operational
B	H	Valparaiso, Chile	cbvradio@directemar.cl	+56 32 2208961	Operational
C	I	Talcahuano, Chile	cbtradio@directemar.cl	+56 41 2745734	Operational
D	J	Puerto Montt, Chile	cbpradio@directemar.cl	+56 65 2256828	Operational
E	K	Punta Arenas, Chile	cbmradio@directemar.cl	+56 61 2201170	Operational
F	L	Rapa Nui, Chile	cbyradio@directemar.cl	+56 32 2100567	Temporarily out of service

## 2.3. Other methods of promulgation:

The Direction of Maritime Territory and Merchant Marine (DIRECTEMAR), established that local activities that have their own security means, and that take place within 5 NM of the coastline, must be broadcasted locally (by VHF radiotelephony):

- Towing of any type of vessel or naval artefact, which moves within its jurisdiction.
- Rowing, diving and swimming activities.
- SAR exercises.
- Drifting objects less than 6 mts.
- Ships with engine failures
- Activities that take place within the limits of the port (except port activities)
- Signal failures within the limits of the port.
- Areas affected by red tide.

### 3. NAVAREA Metrics

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

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
Chile	CBA	A-G	00:00, 01:00, 04:00, 05:00, 12:00, 13:00, 16:00, 20:00.	86	01	15420	3.91
	CBV	B-H	12:10, 13:10, 16:10, 17:10, 20:10, 21:10, 00:10, 01:10, 04:10, 05:10, 08:10, 09:10	108	01	4284	1.10
	CBT	C-I	12:20, 16:20, 17:20, 20:20, 21:20, 00:20, 04:20, 05:20, 08:20, 09:20.	87	01	29255	7.49
	CBP	D-J	12:30, 16:30, 13:30, 17:30, 00:30, 04:30, 01:30, 05:30.	95	03	20691	8.64
	CBM	E-K	16:40, 17:40, 20:40, 21:40, 04:40, 05:40, 08:40, 09:40,	114	02	12433	5.10
	CBY	F-L (Out of service)	00:40, 04:40, 08:40, 12:40, 16:40, 20:40.	8 (via EGC)	1	1188	0.30

2023							
Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times UTC (only for EGC)	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
Chile	CBA	A-G	00:00, 01:00, 04:00, 05:00, 12:00, 13:00, 16:00, 20:00.	83	--	14882	3.78
	CBV	B-H	12:10, 16:10, 17:10, 20:10, 21:10, 00:10, 04:10, 05:10, 08:10, 09:10.	126	--	1448	0.40
	CBT	C-I	12:20, 16:20, 17:20, 20:20, 21:20, 00:20, 04:20, 05:20, 08:20, 09:20.	89	--	29510	7.49
	CBP	D-J	12:30, 16:30, 13:30, 17:30, 00:30, 04:30, 01:30, 05:30.	55	--	8400	5.04
	CBM	E-K	16:40, 17:40, 20:40, 21:40, 04:40, 05:40, 08:40, 09:40	76	01	13496	3.56
	CBY	F-L (Out of service)	00:40, 04:40, 08:40, 12:40, 16:40, 20:40.	02 (via EGC)	--	609	0.15

### 3.2. NAVAREA Warnings broadcasts:

Provider	2021			2022			2023		
	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	264	NA	NA	257	4998	12.26	184	3578	9,3
SafetyCast	-	-	-	257	4998	12.26	184	3578	9,3

### 3.3. Urgent EGC Warnings:

Type	Total	Detail
Distress	02	- Tsunami Alert (Jan 2022) - Vessel damaged by flood (Feb 2022)
Urgent	01	- Man Overboard (Jun 2022)

### 3.4. VITAL Coastal Warnings:

Type	Total	Detail
Vital	02	- Tsunami Alert (Jan 2022) - Vessel damaged by flood (Feb 2022)
Important	03	- Man Overboard (Jun 2022) - Man Overboard (Jul 2022) - Man Overboard (Jun 2023)

### 3.5. In-force warnings.

#### 3.5.1. In-force bulletins issued:

Coastal warnings in-force bulletins are issued, by NAVTEX, every Tuesday (once a week). NAVAREA warnings are issued daily in two time schedules, via Safetynet II/Safetycast. Warnings older than 42 days are published on the SHOA web page.

#### 3.5.2. Requests for In-force warnings:

2021	2022	2023
Total	Total	Total
21	28	10

In-force warnings are required via e-mail (navareaxv@shoa.cl)

### 3.6. Arctic navigational warnings broadcast by HF NBDP.

Not included.

## 4. Operational Issues:

Easter Island NAVTEX Station Temporarily out of service, waiting for the means to repair it.

## 5. National Co-ordinator Communication:

### 5.1. IRCC Strategic Performance Indicator:

Not included.

### 5.2. Procedures.

Not included.

6. Contingency Planning:

In the event that any NAVTEX station presents a failure, Valparaiso Playa Ancha Radio emulates coastal warnings via EGC (SafetyNet II / SafetyCast). Coordinations have been initiated with NAVAREA XVI to sign the contingency plan and carry out an annual exercise.

7. Capacity Building:

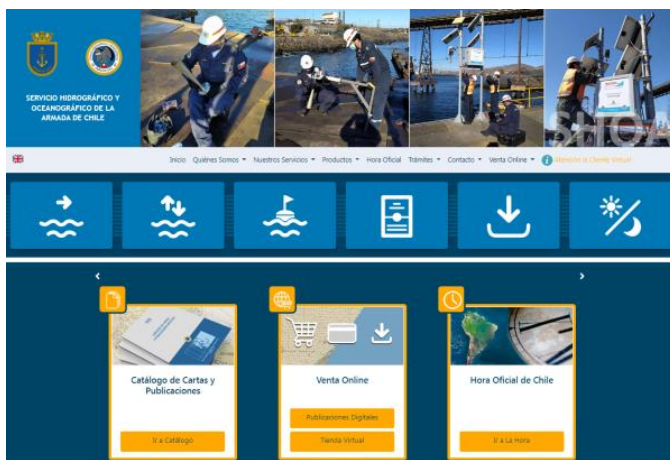
The General Maritime Direction of Colombia (DIMAR) extended an invitation to the coordinator of NAVAREA XV to participate in an Informative Workshop on Maritime Safety. The activity was held in Cartagena de Indias, Colombia from September 26 to 30, 2022 and was attended by 2 people from SHOA and representatives from 9 countries.

8. Other Activities:

Not included.

9. NAVAREA Website:

NAVAREA XV publishes Navigational warnings on the web site [www.shoa.cl](http://www.shoa.cl), in the link “Radio warnings”. The website is compatible with all Android and Apple mobile elements, and is updated daily.



SHOA Website



NAVAREA Website

10. NAVAREA Contact Information:

**NAVAREA XV**

Chilean Navy Hydrographic and Oceanographic Service

Address: Errázuriz Echaurren 254, Playa Ancha, Valparaíso (Chile)

Tel: +56 32 2266666

Fax: +56 32 2266542

E-mail: [navareaxv@shoa.cl](mailto:navareaxv@shoa.cl)

P.O. 237-0168

Web site: [www.shoa.cl](http://www.shoa.cl)

11. Recommendations:

Not included.

12. Actions requested:

Not included.

13. Summary:

SHOA, besides the Notice to Mariners bulletin published monthly, on daily basis informs warnings affecting safety of navigation within NAVAREA XV, such as alterations or errors in the maritime signs, report of new rocks or dangers or any other information that need to be known immediately, only if that information hasn't been announced earlier on any other written media (e.g. Notice to Mariners, new edition of charts, etc.)

NAVAREA warnings are transmitted by Valparaíso Playa Ancha Radio (CBV) through the International Enhanced Group Calling Service (EGC) in accordance with the IMO manual of recognized mobile satellite service providers, currently having in a fully operational state SafetyNet II and SafetyCast.

Coastal warnings are transmitted by the 6 NAVTEX stations alongshore, at different times of scheduled broadcasting.

**No significant changes since WWNWS14 report.**

Annex(es):

Not included.