

MSI Assessment for NAVAREA XV

Reporting period from 1st Jan 2023 to 31th December 2023

Submitted by Chile/SHOA

SUMMARY

Executive Summary: Overview of activities undertaken within NAVAREA XV since WWNWS 15.

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.
- Contingency plan with NAVAREA XVI signed and a verification exercise conducted in July.
- No significant progress has been made on S-124.

No remarkable changes since WWNWS15 report.

Action to be taken: None

Related documents: None

1. General information:

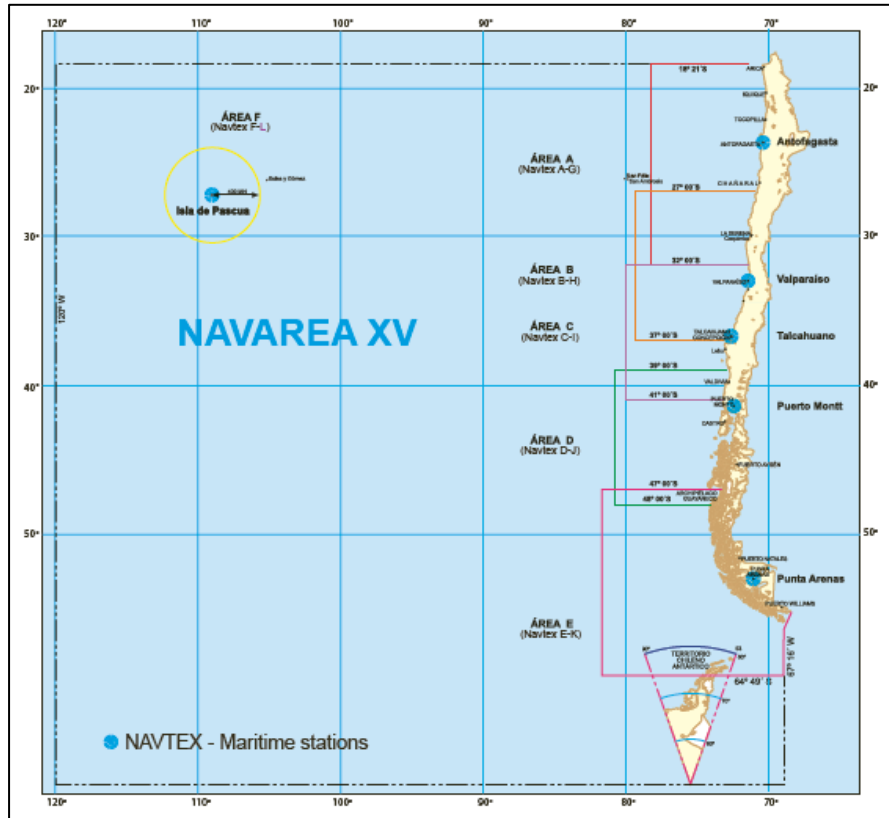
1.1. Geographic Boundaries of the NAVAREA including boundaries for any coastal warning Areas and NAVTEX Stations

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:

- 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.

Broadcast Equipment/Software	Broad cast schedule/Satellite	Manufacturer/Location (LES)/Implementation
Inmarsat Safetynet II	02:10 - 14:10 UTC	Inmarsat web
Iridium SafetyCast	02:00 - 14:00 UTC	Iridium web
Monitoring Equipment/Software		Manufacturer/Software
Inmarsat Safetynet II		Mini C - Nera
Iridium SafetyCast		The implementation of a monitoring station will be managed.

2.2. NAVTEX:

B₁ 518 kHz	B₁ 490 kHz	NAVTEX Station	Email	Telephone	Status
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	Easter Island, 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:

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.	139	--	14882	7.11
	CBV	B-H	12:10, 16:10, 17:10, 20:10, 21:10, 00:10, 04:10, 05:10, 08:10, 09:10.	236	--	1448	3.86
	CBT	C-I	12:20, 16:20, 17:20, 20:20, 21:20, 00:20, 04:20, 05:20, 08:20, 09:20.	197	--	29510	8.71
	CBP	D-J	12:30, 16:30, 13:30, 17:30, 00:30, 04:30, 01:30, 05:30.	129	--	8400	7.43
	CBM	E-K	16:40, 17:40, 20:40, 21:40, 04:40, 05:40, 08:40, 09:40.	190	01	13496	6.07
	CBY	F-L (Out of service)	00:40, 04:40, 08:40, 12:40, 16:40, 20:40.	02 (via EGC)	--	609	0.15

2024							
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.	45	--	2324	0.59
	CBV	B-H	12:10, 16:10, 17:10, 20:10, 21:10, 00:10, 04:10, 05:10, 08:10, 09:10.	80	--	16426	4.17
	CBT	C-I	12:20, 16:20, 17:20, 20:20, 21:20, 00:20, 04:20, 05:20, 08:20, 09:20.	68	--	9711	2.46
	CBP	D-J	12:30, 16:30, 13:30, 17:30, 00:30, 04:30, 01:30, 05:30.	67	--	9927	2.52
	CBM	E-K	16:40, 17:40, 20:40, 21:40, 04:40, 05:40, 08:40, 09:40	62	--	10458	2.65
	CBY	F-L (Out of service)	00:40, 04:40, 08:40, 12:40, 16:40, 20:40.	04 (via EGC)	--	292	0.07

3.2. NAVAREA Warnings broadcasts:

Provider	2022			2023			2024		
	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	257	4998	12.26	1439	2879	15.31	824	1648	8,76
SafetyCast	257	4998	12.26	1439	2879	15.31	824	1648	8,76

3.3. Urgent EGC Warnings:

Type	Total	Detail
Distress	00	-
Urgent	00	-

3.4. VITAL Coastal Warnings:

Type	Total	Detail
Vital	00	-
Important	01	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:

2022	2023	2024
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.

Nothing to report.

4. Operational Issues:

Easter Island NAVTEX Station Temporarily out of service, waiting for the means to repair it. Meanwhile, coastal warnings of the mentioned area, are being emulated by EGC.

5. National Co-ordinator Communication:

5.1. IRCC Strategic Performance Indicator:

Nothing to report.

5.2. Procedures.

Nothing to report.

6. Contingency Planning:

In the event of a NAVTEX station failure, Radio Playa Ancha de Valparaíso emulates the coastal warnings via EGC (SafetyNet II / SafetyCast).

A contingency plan was signed on September 21, 2023 with NAVAREA XVI and an annual verification exercise was carried out on July 11, 2024, with positive results.

7. S-124 Navigational Warnings Development:

Based on current progress, NAVAREA XV is unlikely to declare operational S-124 services by 1 January 2026.

8. Capacity Building:

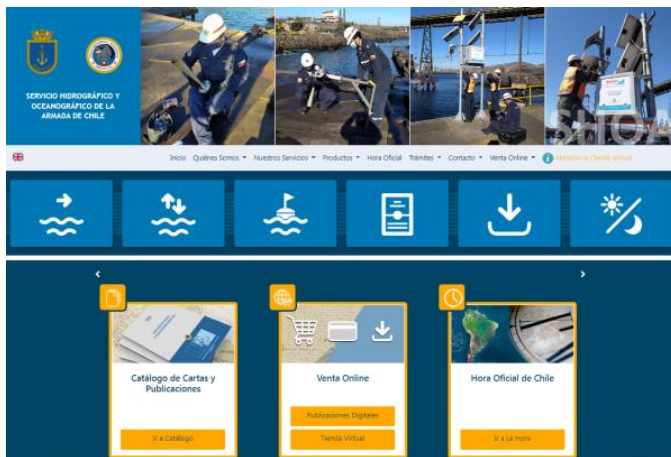
Representative of NAVAREA XV participated in the “Train the trainers” course carried out in Monaco after WNWNS15, on September, 2023.

9. Other Activities:

Nothing to report.

10. NAVAREA Website:

NAVAREA XV publishes Navigational warnings on the web site 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

11. NAVAREA Contact Information:

NAVAREA XV

Chilean Navy Hydrographic and Oceanographic Service

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Tel: +56 32 2266666

Fax: +56 32 2266542

E-mail: navareaxv@shoa.cl

P.O. 237-0168

Web site: www.shoa.cl

12. Recommendations:

None.

13. Actions requested:

None.

14. Summary:

- 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.
- 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.
- A contingency plan was signed on September 21, 2023 with NAVAREA XVI and an annual verification exercise was carried out on July 11, 2024.
- No significant progress has been made on S-124.

No remarkable changes since WWNWS15 report.

Annex(es):

- Separate warnings by type year 2023

Annex A

Coastal warnings separated by type year 2023

Coastal State/Country	Number of MSI messages	Topics/Subjects of messages
Antofagasta Radio (Chile)	34	Weapons Drill
	02	Radio Equipment Failures
	01	Lighthouse
	01	New Alignment
	49	Oceanic Research Profiling Float
	03	Temporarily Removed Buoy
	13	Marine Scientific Vessel
	02	Sunk Fishing
	01	New AIS-AtoN
	02	Buoy Re-established
	03	Glider Seaexplorer
	02	Oceanographic Anchorages
	03	Adrift Buoy
	01	New Buoy
	06	Towing
	13	Lighted Beacon
03	Lighted Buoy	

Coastal State/Country	Number of MSI messages	Topics/Subjects of messages
Valparaíso Radio (Chile)	84	Weapons Drill
	10	Radio Equipment Failures
	06	Glider Seaexplorer
	04	Lighthouse
	02	Lighted Beacon
	08	Lighted Buoy
	01	Inoperative AIS-AToN
	01	Trunks Adrift
	02	Buoy Re-established
	01	New AIS-AtoN
	01	Barge Overturned
	01	Boat Missing
	02	Temporarily Removed Buoy
	05	Oceanographic Anchorages
	70	Oceanic Research Profiling Float
	02	Covid-19 Sanitary Alert
	06	Towing
	01	Temporarily Removed Buoy
	03	Sunk Fishing
	26	Marine Scientific Vessel

Coastal State/Country	Number of MSI messages	Topics/Subjects of messages
Talcahuano Radio (Chile)	84	Weapons Drill
	04	Radio Equipment Failures
	01	Lighthouse
	04	Lighted Beacon
	26	Marine Scientific Vessel
	10	Lighted Buoy
	01	Covid-19 Sanitary Alert
	02	New Alignment
	02	Buoy Re-established
	02	New AIS-AtoN
	01	Day Pile
	01	Temporarily Removed Pile
	01	Barge Overturned
	02	Oceanographic Anchorages
	04	Glider Seaexplorer
	01	Trunks Adrift
	06	Towing
	03	Sunk Fishing
	01	Adrift Fishing
	01	New Buoy
	22	Oceanic Research Profiling Float
	02	Missing Boat
	03	Lighted Pile
	07	Lighted Pillar
	01	Rew Members Missing
	01	Inoperative AIS-AToN
	01	Wreckages Adrift
	03	Temporarily Removed Buoy

Coastal State/Country	Number of MSI messages	Topics/Subjects of messages
Puerto Montt Radio (Chile)	02	Weapons Drill
	08	Radio Equipment Failures
	38	Lighted Beacon
	17	Lighted Buoy
	02	Day Buoy
	01	Adrift Boat
	01	Adrift Wreckages
	01	Platform Anchored
	03	Sunk Boat
	01	Sunk Catamaran
	01	Reduced range Buoy
	01	Anchored Buoy
	09	Lighthouse
	01	Temporarily Removed Buoy
	12	Marine Scientific Vessel
	02	Inoperative AIS-AToN
	03	Buoy Re-established
	03	Towing
	02	Out of position Buoy
	14	Lighted Pillar
	01	Lighted Pile
	01	Cage Adrift
05	New AIS-AToN	

Coastal State/Country	Number of MSI messages	Topics/Subjects of messages
Magallanes Radio (Chile)	34	Lighted Beacon
	12	Radio Equipment Failures
	27	Lighted Buoy
	03	Day Buoy
	01	Day Beacon
	05	Lighthouse
	01	Adrift Buoy
	01	Buoy Re-established
	03	Soal Depth
	16	Marine Scientific Vessel
	05	Inoperative Racon
	05	Lighted Pillar
	03	Out of position Day Buoy
	02	Man Overboard
	01	Destroyed Alignment
	02	Anchored Buoy
	01	New Buoy
	01	Yacht Adrift
	01	Missing Buoy
	02	New Alignment
	02	Oceanographic Anchorages
	01	New Alignment
	01	Destroyed Beacon
	06	Inoperative AIS-AtoN
	02	Sunk Vessel
	06	New AIS-AToN
	01	Adrift Boat
	04	Temporarily Removed Buoy
	02	Sunk Boat
	38	Ice Adrift
	01	Life Raft Adrift

NAVAREA warnings separated by type year 2023

Coastal State/Country	Number of MSI messages	Topics/Subjects of messages
NAVAREA XV CHILE	76	Weapons Drill
	28	Space Element Falling
	84	Uncrewed Surface vehicle
	19	Radio Equipment
	16	Towing
	06	Glider Seaexplorer
	23	Iceberg Adrift
	06	Lighted buoy Removed
	03	Lighted Pillar
	02	Inoperative Racon
	01	Lighted Pile
	02	Lighthouse
	11	Lighted Buoy
	02	Lighted Beacon
	01	Covid-19 Sanitary Alert
	26	Marine Scientific Vessel
	02	Inoperative AIS-AtoN
	03	Anchored Buoy
	02	Buoy Re-established
	01	Day Beacon
	02	Ice Adrift
	01	Boat Adrift
	02	Reduced range Buoy
	02	Adrift Buoy
	06	Time Zone Change
	01	Yacht Adrift
	01	Boat Missing
	01	Posterior Aligment Destroyed
	01	DaybBuoy New Position
	06	Lighted Beacon