

MSI Self-Assessment NAVAREA XV - Chile

Submitted by Chile

SUMMARY

Executive Summary: Overview of activities undertaken within NAVAREA XV since WWNWS 11

Action to be taken: See Paragraph 12

Related documents: None

1. Background:

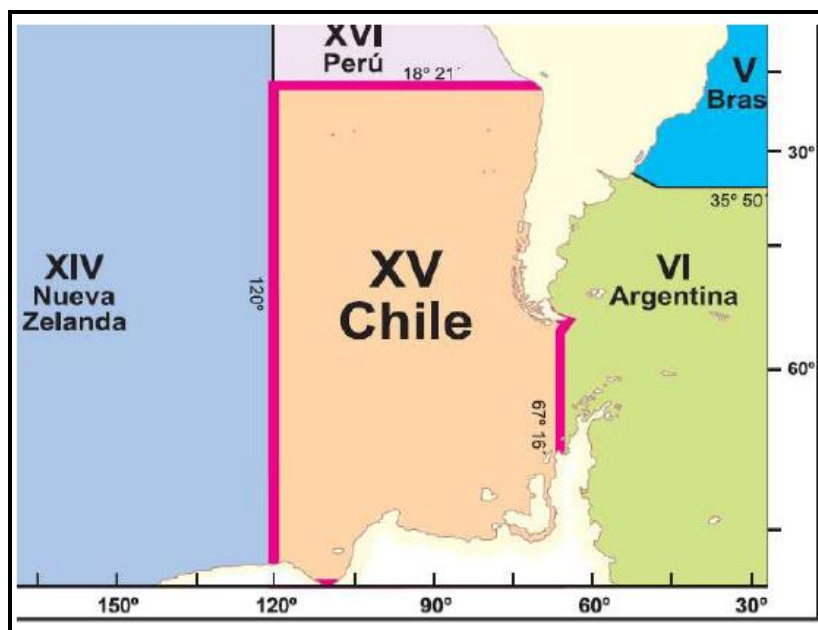
The NAVAREA XV limits are:

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.



The Hydrographic and Oceanographic Service of the Chilean Navy (SHOA), is the NAVAREA XV Coordinator and National Radio Navigational Warning System Coordinator, assuming the responsibilities assigned by the Joint IHO / IMO / WMO Manual on MSI, there being no other Authority in Chile in charge of these issues.

The Meteorological Service of the Chilean Navy is constituted as the Coordinator of METAREA XV.

The Maritime Territory and Merchant Marine General Directorate (DIRECTEMAR) is the only Chilean authority authorized to participate as an information provider in the International SafetyNET service, which delegates this role to the Maritime Radio Station of Valparaíso Playa Ancha, Radio / CBV / MMSI 007251860, which concentrates and processes all the Information on Maritime Safety (MSI) and SAR, for its broadcasting through the SafetyNET system. Valparaíso Playa Ancha Radio also fulfills the role of NAVTEX Coordinator.

The schedule broadcasts per day are:

No	Type of information.	GMDSS Service Provider	UTC Time
1	NAVAREA Warnings	SafetyNET	02:10 14:10
2	Coastal Warnings Whenever it becomes necessary to use the SafetyNET service to replace a decommissioned NAVTEX station.	SafetyNET	04:00 12:00 20:00
3	Meteorological Information (forecasts information)	SafetyNET Navtex	01:00 03:45 13:30 14:50 18:45
4	Meteorological Warnings, SAR Information, Tsunamis and other natural phenomena.	SafetyNET Navtex	If there are.

NAVTEX ENGLISH LANGUAGE 518 KHZ.:

COASTAL STATION	TIME BROADCAST (UTC)
ANTOFAGASTA RADIO	00:00; 04:00; 08:00; 12:00; 16:00; 20:00
VALPARAÍSO RADIO	00:10; 04:10; 08:10; 12:10; 16:10; 20:10
TALCAHUANO RADIO	00:20; 04:20; 08:20; 12:20; 16:20; 20:20
PUERTO MONTT RADIO	00:30; 04:30; 08:30; 12:30; 16:30; 20:30
MAGALLANES RADIO	00:40; 04:40; 08:40; 12:40; 16:40; 20:40
ISLA DE PASCUA RADIO	00:50; 04:50; 08:50; 12:50; 16:50; 20:50

From 1st January 2016, 490 Khz NAVTEX is being operated in Spanish Language.

NAVTEX SPANISH LANGUAGE 490 KHZ.:

COASTAL STATION	TIME BROADCAST (UTC)
ANTOFAGASTA RADIO	01:00; 05:00; 09:00; 13:00; 17:00; 21:00
VALPARAÍSO RADIO	01:10; 05:10; 09:10; 13:10; 17:10; 21:10
TALCAHUANO RADIO	01:20; 05:20; 09:20; 13:20; 17:20; 21:20

PUERTO MONTT RADIO	01:30; 05:30; 09:30; 13:30; 17:30; 21:30
MAGALLANES RADIO	01:40; 05:40; 09:40; 13:40 ; 17:40; 21:40
ISLA DE PASCUA RADIO	01:50; 05:50; 09:50; 13:50; 17:50; 21:50

Operational Points of Contact for National Coordinators within the NAVAREA

COUNTRY	INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
Chile- Valparaíso	SHOA	+56 32 2266541 +56 32 2266622	+56 32 2266542	navareaxv@shoa.cl

2. Comments :

Specifics equipment and software version with date up-dated:

Equipment Type	Software Version	Date of Up-date
NAVTEX	Sender v 2008	Original
SafetyNET	Web Marlink	2016

Information and Data Received

2018				2019				2020			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
05	No data	No data	589	27	No data	No data	337	24	No data	No data	246

(Up to Jul 27, 2020)

NAVAREA Warnings Promulgated

NAVAREA XV	2016	2017	2018	2019	2020
SafetyNET	257	291	179	189	86
NAVTEX	454	339	415	367	160

(Up to Jul 27, 2020).

The MSI provision flow for NAVAREA XV is as follow:

- NAVAREA XV receives MSI from the maritime community via e-mail or via messages or text documents either from Navy ships or from the National Maritime Authority (DGTM).
- MSI information is reviewed with the support of relevant nautical charts and publications, before a radio warning message is issued.
- NAVAREA XV prepares the text of the radio warning message following the format provided by the IMO-IHO-OMM Manual on Maritime Safety Information-IHO Publication 53.
- The text of the radio warning message is sent by SHOA to Valparaíso Playa Ancha Radio Station National Coordinator for issuing MSI information).
- MSI information is transmitted by NAVTEX and SafetyNET systems, as appropriate.

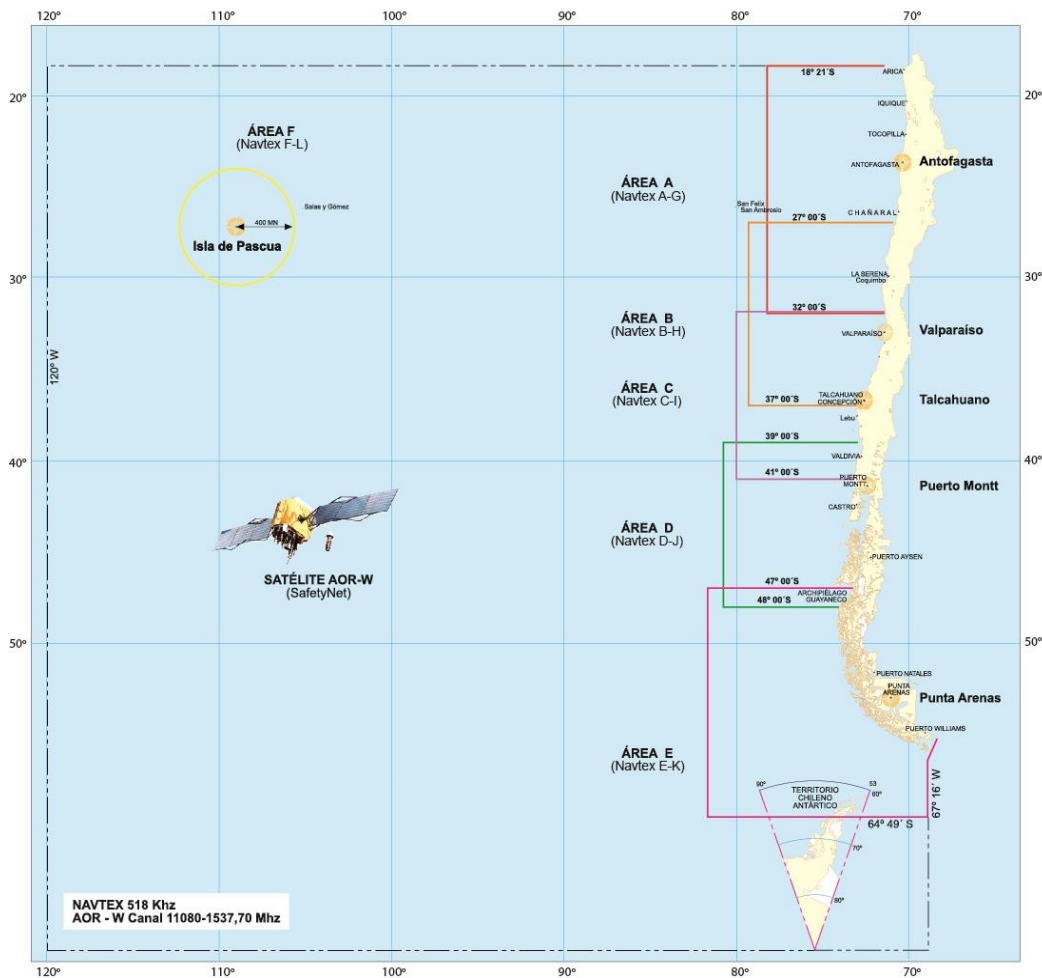
Detail the number of NAVAREA warnings identified as immediate priority (requiring transmission within 30 minutes) and the average elapsed time per broadcast via SafetyNET:

2018		2019		2020	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
No data	Did not track	No data	Did not track	No data	Did not track

(Up to Jul 27, 2020).

3. NAVTEX Coverage:

Diagram of NAVTEX stations and service areas within NAVAREA



Contact details for NAVTEX Stations

ANTOFAGASTA ZONAL RADIO (Area A)

TEF : +56 55 2630072 – +56 55 2630000

FAX : None.

E-mail: cbaradio@directemar.cl

VALPARAÍSO PLAYA ANCHA RADIO (Area B)

TEF: +56 32 2208974 – +56 32 2208961

FAX: None.

E-mail: cbvradio@directemar.cl

ISLA DE PASCUA RADIO (Area F)

(TEMPORARILY OFF AIR)

TEF: +56 32 2100222

FAX: none

E-mail: cbyradio@directemar.cl

Temporally off air, Valparaíso Playa Ancha Radio/CBV MMSI 007251860, assumes diffusions NAVTEX System.

TALCAHUANO ZONAL RADIO (Area C)

TEF: +56 41 2541645 – +56 41 2745734

FAX: None.

E-mail: cbtradio@directemar.cl

PUERTO MONTT ZONAL RADIO (Area D)

TEF: +56 65 2256827 / +56 65 2256828

FAX: None..

E-mail: cbpradio@directemar.cl

MAGALLANES ZONAL RADIO (Area E)

TEF: +56 61 2201100 – +56 61 2201170.

FAX: None.

E-mail: cbmradio@directemar.cl

4. Operational Issues:

Details of MSI information received from coastal states within the NAVAREA XV (Year 2020).

Coastal State/Country	Number of MSI messages	Topics/Subjects of messages
Antofagasta Radio (Chile)	10	Weapons Drill
	05	Radio Equipment
	01	Lighthouse
	02	Marine Scientific Vessel
	03	Lighted Beacon
	03	Lighted Buoy

Coastal State/Country	Number of MSI messages	Topics/Subjects of messages
Valparaíso Radio (Chile)	15	Weapons Drill
	10	Radio Equipment
	01	Lighthouse
	07	Cable Laying
	03	Lighted Beacon
	02	Lighted Buoy
	01	Adrift Buoy

	01	Temporarily Removed Buoy
	04	Marine Scientific Vessel
	01	Anchored Buoy
	02	Covid-19 Sanitary Alert
	01	Covid-19 Sanitary Control

Coastal State/Country	Number of MSI messages	Topics/Subjects of messages
Talcahuano Radio (Chile)	14	Weapons Drill
	04	Radio Equipment
	02	Lighthouse
	08	Cable Laying
	02	Lighted Beacon
	03	Marine Scientific Vessel
	01	Lighted Buoy
	02	Covid-19 Sanitary Alert
	01	Adrift Buoy
	02	Anchored Buoy
	01	Temporarily Removed Buoy
	02	Towing
	01	Sunk Vessel
	02	Lighted Pile
	01	Inoperative AIS-AToN
01	Half Sunk	

Coastal State/Country	Number of MSI messages	Topics/Subjects of messages
Puerto Montt Radio (Chile)	01	Cable Laying
	06	Radio Equipment
	06	Lighted Beacon
	02	Lighted Buoy
	02	Adrift Buoy
	01	New Day Beacon
	02	Marine Scientific Vessel
	02	Sunk Vessel
	05	Towing
	01	Current meter Installed
	02	Lighted Pile
	01	Half Sunk
	01	New AIS-AToN

Coastal State/Country	Number of MSI messages	Topics/Subjects of messages
Magallanes Radio (Chile)	22	Lighted Beacon
	13	Lighted Buoy
	01	Day Buoy
	03	Day Beacon
	02	Adrift Buoy
	01	Buoy Re-established
	01	Soal Depth

	16	Towing
	03	Current meter Installed
	01	Man Overboard
	01	Lighted Pile
	01	New Alignment
	11	Inoperative AIS-AToN
	01	New AIS-AToN
	05	Ice Adrift
	01	New Pile

4.1 In force warnings bulletins

NAVAREA XV warnings are posted in the website www.shoa.cl in both, English and Spanish language. Bulletins are updated twice a day and can be requested by e-mail to navareaxv@shoa.cl.

4.2 Notices to mariners

In the Notice to Mariners, section II, a compilation of the long lasting in-force notices is provided in the bulletins posted in the website www.shoa.cl (Products/Bulletins).

5. Quality Management Survey

NAVAREA	ISO 9001 - 2008	Promulgate "In-Force" Bulletins	Promulgate "No-Warning" Messages	Monitor Broadcast in almost real time	24/7 contact information provided	Promulgate two scheduled broadcasts	IMO Master Plan updated
NAVAREA XV	YES	YES	YES	YES	YES	YES	YES

Signal Transmission Monitoring in near real time:

- In relation to de Monitoring of the signals, coastal stations conduct verification of their transmission and analyze the quality of the signals using JVCOM Software.
- Signal Transmission Monitoring Method:
 - NAVTEX transmissions use JVCOMM32 software and JRC mod. NCR- 333 for reception.
 - SAFETYNET transmissions use DOS NERA MINIC software with Satellite INMARSAT MINIC receiver.
- NAVTEX and SAFETYNET transmission equipment have a 100% efficiency.

Broadcasting Times MSI NAVAREA XV specifications are in line with the Global Performance Report submitted by SHOA to the Ministry of Defense in Annex 4 - Performance Indicators 2015-2018, which can be consulted in <http://www.shoa.cl/php/balance.php?idioma=es>.

6. Contingency Planning

The WNWWS SC encouraged all NAVAREAS to coordinate a Contingency Plan. The year 2018, at the WNWWS-10 meeting, NAVAREA XV (Chile) submitted a Contingency Plan which considers collaboration with NAVAREA XVI (Perú).

The Contingency Plan considers the occurrence of failure at any Radio Station from the respective areas of jurisdictional responsibility belonging to the adjacent NAVAREAS XV and XVI. There is no record of any comment or observation received from NAVAREA XVI.

There have been no exercises related to the Contingency Plan.

7. Capacity Building: Nil.

8. Other Activities: **Iridium SafetyCastSM GMDSS service**

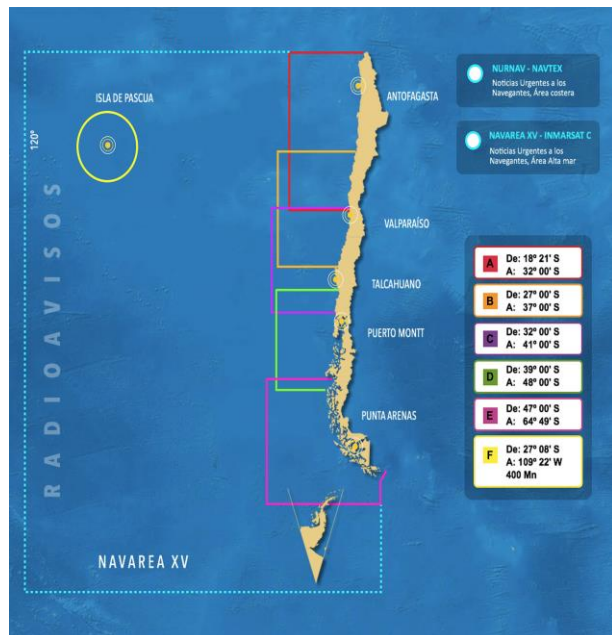
By virtue of the installation and start-up of the Iridium SafetyCast service, during the month of June 2019, all the information on maritime safety (nautical warnings and meteorological information) was shared with Iridium and work is currently being done on the drafting and legal analysis of the agreement for the provision of services.

9. NAVAREA Website:

NAVAREA XV publishes Notices to Mariners on the web site www.shoa.mil.cl, in the link "radioavisos". The website is compatible with all Android and Apple mobile elements, and is updated daily.



SHOA Website



NAVAREA Website

10. NAVAREA XV Contact Information:

NAVAREA XV

Hydrographic and Oceanographic

Service of the Chilean Navy

Address: Errazuriz 254, Playa Ancha, Valparaíso (Chile)

Tel: +56 32 2266666

Fax: +56 32 2266542

E-mail: navareaxv@shoa.cl

P.O. 237-0168

Web site: <http://www.shoa.mil.cl>.

11. Recommendations:

Nil

12. Actions requested:

Nil

13. Summary:

SHOA, besides the Notice to Mariners, published monthly, on a daily basis informs on urgent and important notices affecting safety of navigation, 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 to the vessels at sea, only if that information hasn't been announced earlier on any other written media (Notice to Mariners, new edition of charts, etc.)

This service is integrated to the "World Wide Navigational Warning Service", of which Chile is responsible.

Notice to Mariners and Coastal Warnings for NAVAREA XV are prepared by SHOA and broadcasted daily through maritime radio station Valparaiso Playa Ancha Radio, at different times of scheduled broadcasting