

### MSI Self Assessment NAVAREA XV - Chile

Submitted by Chile

#### SUMMARY

Executive Summary: Overview of activities undertaken within NAVAREA XV since WWNWS8

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° W.



The Hydrographic and Oceanographic Service of the Chilean Navy (SHOA) is the NAVAREA XV Coordinator and transmits MSI to the broadcasting system that is disseminated by SafetyNET Service.

Transmissions of NAVAREA Warnings at 02:10 and 14:10 UTC (AOR-W satellite), Meteorological Information at 01:00, 03:45, 13:30, 14:40 and 18:45 UTC (AOR-W satellite) and SAR information as occasion demands (AOR-W satellite).

SafetyNET Service:

The transmissions are done through the Directorate General of Maritime Territory and Merchant Marine as National Maritime Authority, Valparaíso Playa Ancha Radio.

Operational Points of Contact for National Coordinators within the NAVAREA

COUNTRY	TELEPHONE	FACSIMILE	EMAIL
Chile- Valparaíso	+56 32 2266541	+56 32 2266542	navareaxv@shoa.cl
Chile- Valparaíso	+56 32 2266612	+56 32 2266542	navareaxv@shoa.cl

2. Comments:

No changes on GMDSS Master Plan.

The GMDSS Master Plan, Annex 7 "NAVTEX Service" and Annex 8 "International SafetyNET Service", Annex 10 "Cospas-Sarsat MRCC", Annex 11 "EPIRB registration data" and Annex 12 "Maritime Mobile service Identities", are up to date.

Specifics of equipment used and software version with date up-dated

Equipment Type	Software Version	Date of Up-date
NAVTEX	Sender v 2008	Original
SafetyNet MSI via E-mail to Astrium (AN EADS Company)	Marlink AOR - W	2017

NAVAREA Warnings Promulgated

NAVAREA XV	2013	2014	2015	2016	2017
SafetyNet	185	138	342	257	170*
NAVTEX	894	780	582	454	273*

(\* Up to August 07, 2017 – Navtex English+Spanish)

Information and Data Received

2015				2016				2017			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
57	No data	No data	No data	25	No data	No data	No data	77*	No data	No data	No data

(\* Up to August 07, 2017)

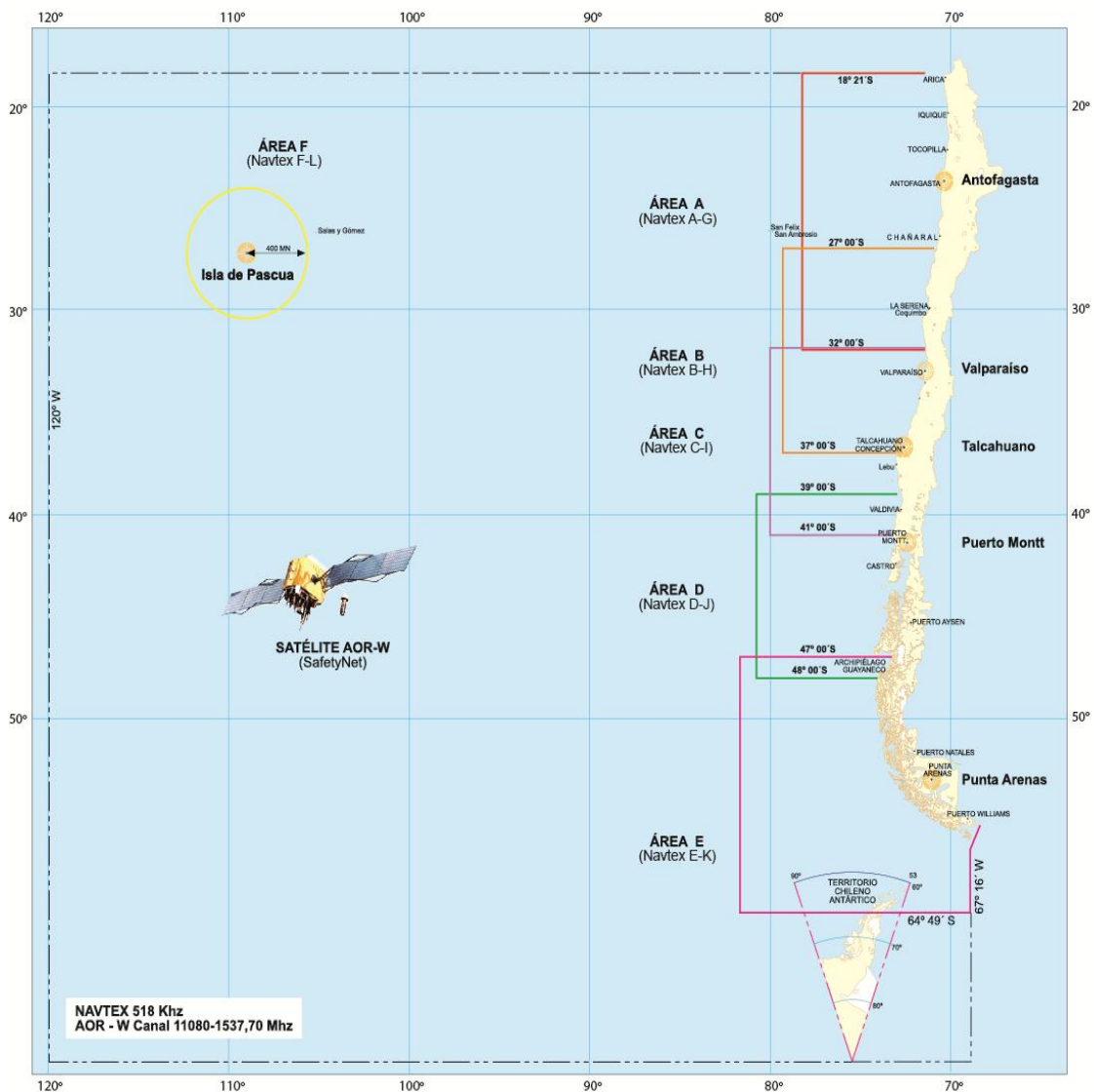
Detail the number of NAVAREA warnings identified as immediate priority (requiring transmission within 30 minutes) and the average elapsed time per broadcast via SafetyNET:

2015		2016		2017	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
2	<b>SAFETYNET</b> Distress 2 Urgency 0	3	<b>SAFETYNET</b> Distress 3 Urgency 0	No data*	Did not track
5	<b>NAVTEX</b> Vital 5 Important 0	3	<b>NAVTEX</b> Vital 3 Important 0	No data*	Did not track

(\* Up to August 07, 2017)

### 3. NAVTEX Coverage:

Diagram of NAVTEX stations and service areas within NAVAREA XV



Contact details for NAVTEX Stations

**ANTOFAGASTA ZONAL RADIO (Area A)**

TEF : +56 55 2630072 – +56 55 2630000  
FAX : +56 55 2224464  
E-mail: cbaradio@directemar.cl

**VALPARAÍSO PLAYA ANCHA RADIO (Area B)**

TEF : +56 32 2208974 – +56 32 2208961  
FAX : +56 32 2281099  
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

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

**TALCAHUANO ZONAL RADIO (Area C)**

TEF : +56 41 2541645 – +56 41 2541100

FAX : +56 41 2541634

E-mail: cbtradio@directemar.cl

**PUERTO MONTT ZONAL RADIO (Area D)**

TEF : +56 65 256828

FAX : +56 65 256827

E-mail: cbpradio@directemar.cl

**MAGALLANES ZONAL RADIO (Area E)**

TEF : +56 61 2201170 – +56 61 2201100

FAX : +56 61 2201196

E-mail: cbmradio@directemar.cl

4. Operational Issues:

4.1 As informed to IMO NAVTEX Panel through document DGTM Y MM. ORD N° 12600/16 dated 25 March 2011, the 490 kHz NAVTEX Service shall start its operation by January 01, 2016.

**NAVTEX IDIOMA INGLÉS FCIA. 518 KHZ.:**

ESTACIÓN COSTERA	TRANSMISIÓN HORARIO (UTC)
ANTOFAGASTA RADIO	04:00; 08:00; 16:00; 20:00
VALPARAÍSO RADIO	04:10; 08:10; 16:10; 20:10
TALCAHUANO RADIO	04:20; 08:20; 16:20; 20:20
PUERTO MONTT RADIO	04:30; 08:30; 16:30; 20:30
MAGALLANES RADIO	04:40; 08:40; 16:40; 20:40
ISLA DE PASCUA RADIO	04:50; 08:50; 16:50; 20:50

### NAVTEX IDIOMA ESPAÑOL FCIA. 490 KHZ.:

ESTACIÓN COSTERA	TRANSMISIÓN HORARIO (UTC)
ANTOFAGASTA RADIO	05:00; 09:00; 17:00; 21:00
VALPARAÍSO RADIO	05:10; 09:10; 17:10; 21:10
TALCAHUANO RADIO	05:20; 09:20; 17:20; 21:20
PUERTO MONTT RADIO	05:30; 09:30; 17:30; 21:30
MAGALLANES RADIO	05:40; 09:40; 17:40; 21:40
ISLA DE PASCUA RADIO	05:50; 09:50; 17:50; 21:50

#### 4.2 In force warnings bulletins

NAVAREA XV warnings are posted in the website [www.shoa.mil.cl](http://www.shoa.mil.cl) in both, English and Spanish language. Bulletins are updated twice a day and can be requested by e-mail to [navareaxv@shoa.cl](mailto:navareaxv@shoa.cl)

#### 4.3 Notice 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.mil.cl](http://www.shoa.mil.cl) (Products/Boletines)

### 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
<b>NAVAREA XV</b>	YES	YES	YES	YES	YES	YES	YES

### 6. Contingency Planning

The corresponding technical authority is in the administrative process to update the contingency plans. The maritime telecommunications centers do have contingency plans as well.

A contingency plan exists for the NAVAREA XV operation center which considers the use of the operation center of the National Tsunami Warning System and an emergency communication container with HF, VHF, Internet and satellite communication facilities. The national contingency plan can be implemented at any time due to the existence of several stations along its coast.

Chile and Peru has a big concern about earthquakes and tsunamis. Due to this condition, an emergency communication system has been developed by the Permanent Commission for the South Pacific (CPPS) called SRATPS. This network provides video and teleconference with the regional countries according proper communication protocols. Considering the contingency plan with NAVAREA XVI (Peru) is pending, SRATPS capability is able to be used as backup plan in case of lose telecommunications through the primary channels.

7. Capacity Building:

Nil

8. Other Activities:

8.1 NAVTEX System

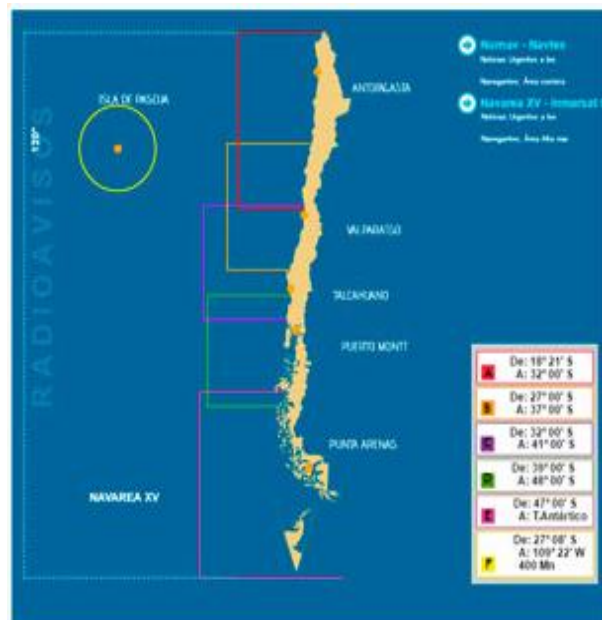
National shipping and the fishing fleet are in the process of modernization of their NAVTEX equipment in order to be able to receive simultaneously 518 Khz and 490 Khz by 2016.

9. NAVAREA Website:

The web site [www.shoa.mil.cl](http://www.shoa.mil.cl) was updated. Actually it is compatible with all Androide and Apple mobile elements.



SHOA Website



NAVAREA Website

10. NAVAREA XV Contact Information:

**NAVAREA XV**

Director, Hydrographic and Oceanographic  
Service of the Chilean Navy

Errazuriz 254

Playa Ancha

VALPARAISO

**Chile**

Tel: +56 32 2266666

Fax: +56 32 2266542  
E-mail: navareaxv@shoa.cl  
Web site: <http://www.shoa.mil.cl>

11. Recommendations:

Nil

12. Actions requested:

The Sub-Committee is invited to note the report.

13. Summary:

SHOA, besides the Newsletter for Navigators, published monthly, informs daily on radio the important news for the safety of the navigation of urgent matter, such as alterations or defects in the maritime signs, report of new rocks or dangers or any other information that need to be known immediately to the vessels in the sea, only if that information hasn't been announced on any other written media (News Newsletter for Navigators, new edition of charts, etc.)

This service is integrated to the "World Wide Navigational Warning Service", which Chile has been assigned the responsibility of diffusion of "NAVREAS", which corresponds to the XV area which covers its coast and part of the Pacific Ocean adjacent to the meridian 120° W and from parallel 18°21' S, to the Chilean Antarctic territory, plus an additional coverage of up to 700 miles beyond the demarcating limits of the XV area shown in the graphic. This delimitation is not related to the frontier lines among Countries, nor goes against of the layout of those lines. Radio News NAVAREA and Coastal Warnings established by the SHOA as zonal and national coordinator of the XV area, are broadcasted daily through maritime radio station VALPARAISO PLAYA ANCHA RADIO, at different times of scheduled broadcasting.

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NAVAREA XV  
Hydrographic and Oceanographic Service of the Chilean Navy