

MSI Assessment for NAVAREA XVI

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

Submitted by Perú - Directorate of Hydrography And Navigation

SUMMARY

Executive Summary: Report of activities within NAVAREA XVI since WWNWS15

Action to be taken: Note this Report

Related documents: None

1. General information:

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

The Directorate of Hydrography and Navigation of the Peruvian Navy (DHN), is the NAVAREA XVI Coordinator and transmits Maritime Safety Information (MSI) in force by SafetyNET Service the Marlink Inmarsat C interface system which uses AOR-W satellite. The daily transmission schedule is 0500, 1700 (UTC).

The NAVAREA XVI limits are:

By the North: Parallel 03° 34' S.

By the South: Parallel 18° 21' S.

By the East: Peruvian coast.

By the West: Meridian 120° 00' W.



“Navarea XVI”

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

COUNTRY	INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
PERÚ	Directorate of Hydrography and Navigation	00-51-1-2078160	00-51-1-4658312	navareaxvi@dhn.mil.pe navegacion@dhn.mil.pe

1.3. GMDSS Master Plan:

No changes on GMDSS Master Plan.

The Maritime Safety Information (MSI) within NAVAREA XVI 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 Maritime Safety Information (MSI) is transmitted by NAVTEX, SafetyNET and SafetyCAST systems, as appropriate

Equipment and software versions used up to date

Specifics of all equipment used and software versions:

Equipment Type	Software Version	Date of Up-date
<i>SafetyNET</i>	<i>Web Inmarsat</i>	none
<i>SafetyCast</i>	<i>Web Iridium</i>	none
Navtex	NX-700	Original

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
<i>SafetyNET I</i>	<i>0500 and 1700/AOR-W</i>	<i>Inmarsat</i>
<i>SafetyCast</i>	<i>0500 and 1700</i>	<i>Iridium</i>
Monitoring Equipment/Software		Manufacturer/Software
<i>Inmarsat mini-C Furuno</i>		<i>Inmarsat</i>

Iridium SafetyCast system deployment status is permanent

2.2. NAVTEX:

B ₁ 518 kHz	B ₁ 490 kHz	NAVTEX Station	Email	Telephone	Status
S		Paita, Perú [S]	costerapaita@dicapi.mil.pe	+51 073 211670	Operational
U		Callao, Perú [U]	costeracallao@dicapi.mil.pe	+51 014 200177	Operational
W		Mollendo, Perú [W]	costeramollendo@dicapi.mil.pe	+51 054 534383	Not Operational

2.3. 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 (only for EGC)	2023			
				Total number of warnings broadcast	Number of warnings broadcast with a vital priority (NAVTEX) or urgent priority (EGC)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
Perú	Paita	S	0700, 1100, 1900, 2300	201	201	1661	
Perú	Callao	U	0320, 1120, 1520, 2320	201	201	1661	
Perú	Mollendo (inoperative)	W	0340, 0740, 1540, 1940	0	0	0	

Navarea notices are transmitted with code c1 = 1

Navarea XVI transmits the same coastal message as the Navarea message, the redundancy is to ensure transmission in the event of possible equipment failure.

3.2. NAVAREA Warnings broadcasts:

approximately 1.2 MiB in 2023

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	281	1011		201	931		70	528	
SafetyCast	281	1011		201	931		70	528	

3.3. Urgent EGC Warnings:

Navarea notices are transmitted with code c1 = 1
Navarea XVI transmitted 90 security messages

3.4. VITAL Coastal Warnings:

Navtex messages are transmitted immediately upon receiving the information, and while they are in force, every four hours, they are not classified as vital messages.

3.5. In-force warnings.

3.5.1. In-force bulletins issued:

Current notices are broadcasted twice a day, through the safetynet and safetycast systems, and can also be viewed through the website www.dhn.mil.pe.
Notices of more than 42 days are no longer broadcasted. If the information on maritime safety is still valid, it is transferred to the bulletins: notices to mariners.

3.5.2. Requests for In-force warnings:

2022	2023	2024
Total	Total	Total
3	3	2

Interested parties can also verify the current notices through the website www.dhn.mil.pe

3.6. Arctic navigational warnings broadcast by HF NBDP.

None

4. Operational Issues:

The NAVTEX mollendo station, which covers the southern coastal area of PERÚ, has been inoperative for some time.

5. National Co-ordinator Communication:

5.1. IRCC Strategic Performance Indicator:

NAVAREA XVI is a single national coordinator

5.2. Procedures.

NAVAREA XVI is a single national coordinator

6. Contingency Planning:

In September 2023, the contingency plan was established between Navarea and Navarea XVI, with the objective of ensuring high availability in the issuance of ISM, the contingency plan was communicated to the EGC coordinating panel, and to the recognized RMSS suppliers,

During the month of July 2024, a transmission exercise was carried out on both platforms (safetynet and safetycast) for the two national Navarea coordinators. The results were satisfactory, the lessons learned were based on the identification of details in the messages, a new exercise is planned.

7. S-124 Navigational Warnings Development:

Currently, NAVAREA XVI is in the evaluation process for future implementation of S-124.

8. Capacity Building:

The operators of the NAVAREA XVI Coordination Center are constantly being trained in the country to properly dispatch MSI in our area of responsibility.

In 2022, training in English was received during the MSI workshop in Cartagena, Colombia, from which improvements were obtained in the preparation of messages.

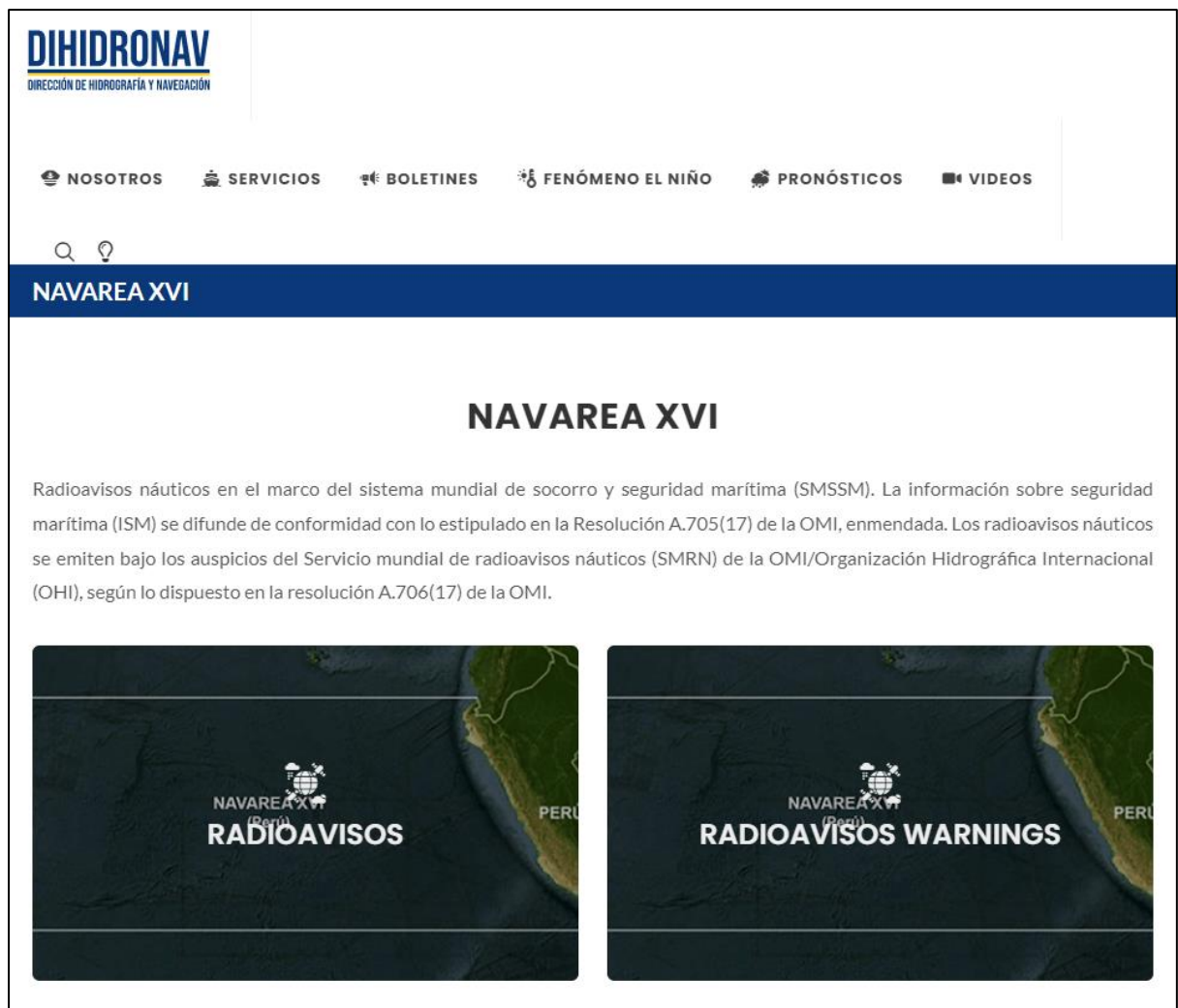
9. Other Activities:

None

10. NAVAREA Website:

<https://www.dhn.mil.pe/portal/navarea>

Our web site is updated when a Warning Bulletin is broadcasted or when the latest updating is displayed on the web site. The list of current messages is updated every twelve hours.



11. NAVAREA Contact Information:

PERU (NAVAREA XVI)

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Street Roca N° 118 Chucuito – Callao Postal code: 07021

Tel .: +51(1)2078160, ext.: 6401 / 6463

Fax: +51(1)2078178

Email: cguerrero@dhn.mil.pe

Email for MSI NAVAREA XVI: navareaxvi@dhn.mil.pe (24 hours)

Website: <https://www.dhn.mil.pe/portal/navarea>

12. Recommendations:

Increase MSI training for Southeast Pacific Hydrographic Committee staff

13. Actions requested:

Schedule MSI training for Southeast Pacific Hydrographic Committee staff by 2025

14. Summary:

The Directorate of Hydrography and Navigation of the Peruvian Navy, as NAVAREA XVI coordinator, transmits in force MSI messages on a everyday, at 0500 and 1700 hrs UTC time, by SafetyNET and SafetyCast Service through the server INMARSAT and IRIDIUM which uses AOR-W satellite; and by NAVTEX when required. Also, MSI messages will also be transmitted at any schedule upon reception of warning messages. NAVAREA XVI is divided in 3 sub- areas defined as Ocean Pacific: Coastal Paita, Coastal Callao and Coastal Mollendo. These Coastal Centres operate autonomously promulgating Navigational Warnings via NAVTEX. Peruvian Contingency Plan provides actions needed to face emergencies caused by natural disasters, as well as provisions for the dissemination of alerts in case of a Tsunami warning occurrence. In addition, Coordination Center NAVAREA XVI has ISO 9001:2015 quality management certification.

Annex(es):

A. Self Assessment AnnexA WWNWS16_2024_3.2_NAVAREA_XVI