

## MSI Self Assessment NAVAREA XVI

Submitted by Perú - *Directorate of Hydrography And Navigation*

### SUMMARY

Executive Summary: *Report of activities within NAVAREA XVI since WWNWS14*

Action to be taken: *Note this Report*

Related documents: *None*

### 1. Background:

*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”

The Operational Points of Contact for National Co-ordinators within the NAVAREA XVI

COUNTRY	INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
PERÚ	Directorate of Hydrography and Navigation	00-51-1-2078160	00-51-1-4658312	<a href="mailto:navareaxvi@dhn.mil.pe">navareaxvi@dhn.mil.pe</a> <a href="mailto:navegacion@dhn.mil.pe">navegacion@dhn.mil.pe</a>

**2. Comments:**

- *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

Specifics of information and data received

2020				2021				2022			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
174	1	0	1	233	2	0	2	279	2	0	0

SafetyNET:

1. NAVAREA XVI Warnings are broadcast on SafetyNET through the AOR(W) satellite as well as NAVTEX when appropriate.
2. The following table shows the number of SafetyNET messages (including weekly bulletins) that were promulgated:

SafetyNET			
MONTH	2020	2021	2022
JANUARY	82	93	79
FEBRUARY	73	69	70
MARCH	75	75	85
APRIL	71	80	86
MAY	74	78	100
JUNE	75	80	86
JULY	73	78	80
AUGUST	50	87	80

SEPTEMBER	70	86	93
OCTOBER	66	82	83
NOVEMBER	62	79	88
DECEMBER	70	91	81
ANUAL	841	908	1011

Specifics of MSI within NAVAREA, include how many SafetyNET messages were promulgated over 4yr period e.g., NAVAREA XVI, 2020 - 841, 2021 - 978, 2022 - 1011; Monitoring of MSI

The table below shows the number of NAVAREA XVI warnings identified as immediate priority (requiring transmission within 30 minutes) and the average elapsed time per broadcast via SafetyNET and SafetyCAST:

	2020		2021		2022	
	Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
SafetyNET	78	20.0 Mins	76	18.0 minutes	77	21.0 minutes
SafetyCAST	78	21.0 Mins	76	19.0 minutes	77	22.0 minutes

Do you have an EGC certificate of authorization from the IMO EGC Coordinating Panel?

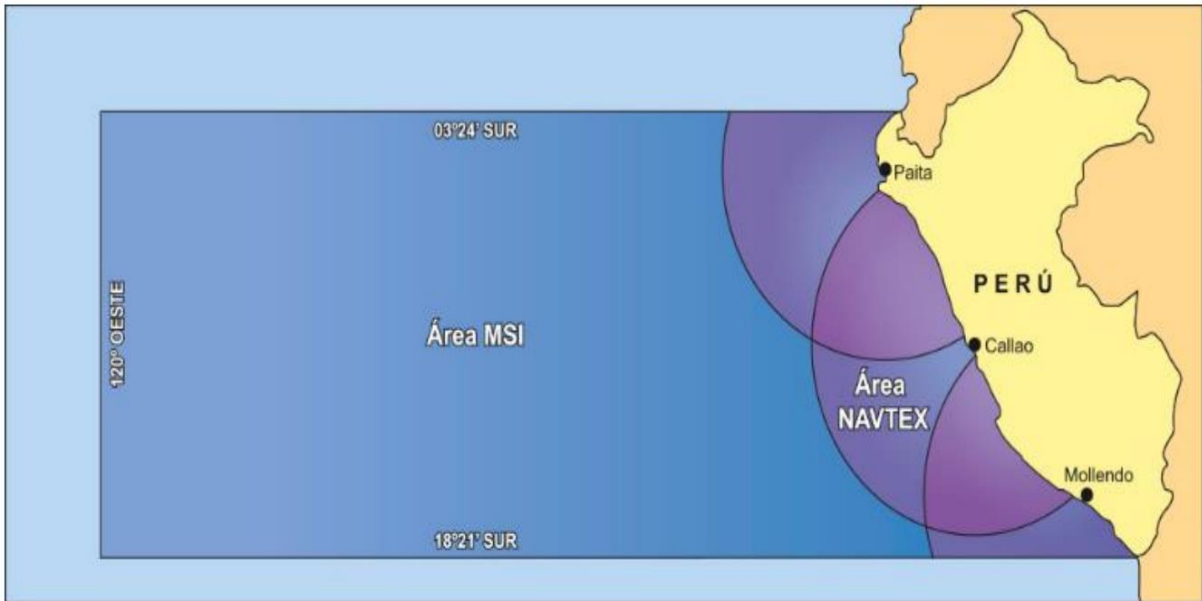
*YES. We have certificate.*

Specifics on SafetyCast system status and plans you have for progressing towards declaring full operational capability?

*We are currently sending SafetyCast messages through the IRIDIUM web platform permanently.*

### 3. NAVTEX Coverage:

- 3.1 Coastal Warnings for all National Coordinators in NAVAREA XVI are promulgated on NAVTEX.
- 3.2 The diagram below shows NAVTEX Service Areas for the International NAVTEX Service within NAVAREA XVI. PERU NAVTEX (400NM from coastline)



PERU NAVTEX (250NM off the coast) Coverage area

3.3 PERU NAVTEX contact points and status of the stations Station Name Contact Person Telephone/Mobile

Station Name	Contact Person	Telephone/Mobile phone	Status
Paita [S]	On duty personnel	00-51-73-211670 00-51-969520961	Working
Callao[U]	On duty personnel	00-51-1-4299798/ 00-51-998849812	Working
Mollendo[W]	On duty personnel	00-51-54-534383/ 00-51-959036759	Working

4. Operational Issues:

Coastal State/Country	Number of MSI messages	Topics/Subjects of messages
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4.1 The coastal stations Paita, Callao and Mollendo within NAVAREA XVI transmit coastal warnings through NAVTEX and local warnings through VHF system.

4.2 No new infrastructure has been added to NAVAREA XVI.

4.3 In Force warnings Bulletins:

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

#### 4.4 Notices to mariners:

*Warnings Messages with more than 42 days old are published monthly in the 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.dhn.mil.pe/navegacion](http://www.dhn.mil.pe/navegacion) (Services/Products).*

### 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
XVI	YES	YES	YES	YES	YES	YES	YES

### 6. Contingency Planning

The NAVAREA XVI Coordination Centre is located on the premises of the Directorate of Hydrography and Navigation in Calle Roca N° 118 Chucuito – Callao on the shores of Chucuito beach. For this, it is permanently exposed to natural disaster that may affect its infrastructure. .

This contingency plan provides for the planning and execution actions to face emergencies caused by natural disasters as well as provisions for the dissemination of the alert in case of Tsunami.

#### 6.1 Implementation

When the operator of the NAVAREA XVI Coordination Centre receives the Tsunami warning, he/she will broadcast immediately the radio navigational warning through SafetyNET and SafetyCAST.

If it was not possible to use the systems of the Directorate of Hydrography and Navigation, the operator on duty will contact the Alternate Tsunami Warning Centre to transmit the corresponding warning via SafetyNET and SafetyCAST.

Currently, a contingency plan is being implemented with the NAVAREA XV coordinator, for any information on maritime security.

#### 6.2 Resources

The NAVAREA XVI Coordination Centre counts on a 24 hours service staff.

The NAVAREA XVI Coordination Centre has the following equipment:

- ONE (1) Inmarsat and iridium interface system, used as means to send SafetyNET and SafetyCAST warnings.
- ONE (1) NAVTEX equipment, FURUNO brand, model MX-700, is used to verify the warning transmission in the coast of Peru.
- ONE (1) TX/RX VHF-FM equipment, brand ICOM, STANDARD HORIZON model. It is used to communicate with the units within an area of 20 nautical miles, and captaincies and coastal stations within a VHF-FM range.
- ONE (1) UPS Centralion brand, model Titan Vista Pro 200000, 220 VAC, 60 Hz with 4 hours of backup time power

#### **7. Capacity Building:**

The NAVAREA XVI Coordination Centre operators are being constantly trained in English language in order to send properly MSI in our area of responsibility.

#### **8. Other Activities:**

None

#### **9. NAVAREA Website:**

Our web site is updated when a Warning Bulletin is issued or when the latest updating is displayed on the web site.

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

**DIHIDRONAV**  
DIRECCIÓN DE HIDROGRAFÍA Y NAVEGACIÓN

NOSOTROS SERVICIOS BOLETINES FENÓMENO EL NIÑO PRONÓSTICOS VIDEOS

NAVAREA XVI

## NAVAREA XVI

Radioavisos náuticos en el marco del sistema mundial de socorro y seguridad marítima (SMSSM). La información sobre seguridad marítima (ISM) se difunde de conformidad con lo estipulado en la Resolución A.705(17) de la OMI, enmendada. Los radioavisos náuticos se emiten bajo los auspicios del Servicio mundial de radioavisos náuticos (SMRN) de la OMI/Organización Hidrográfica Internacional (OHI), según lo dispuesto en la resolución A.706(17) de la OMI.



### 10. NAVAREA Contact Information:

PERU (NAVAREA XVI)  
 Contralmirante Carlos Grover GUERRERO Malpartida  
 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>

### 11. Recommendations:

12. INCREASE MSI training for Southeast Pacific Hydrographic Committee staff

### 13. Actions requested:

Schedule MSI training for Southeast Pacific Hydrographic Committee staff by 2024

#### **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 Service through the server MARLINK 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 9001:2008 quality management certification.