

### MSI Self Assessment NAVAREA XVI

Submitted by *Perú – Directorate of Hydrography and Navigation*

#### SUMMARY

Executive Summary: *Report of activities within NAVAREA XVI since WWNWS12*

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.*



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

COUNTRY	INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
PERU	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:navegación@dhn.mil.pe">navegación@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 and SafetyNET systems, as appropriate.*
- *Equipment and software versions used up to date.*

***Specifics of all equipment used and software versions:***

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

***Specifics of information and data received:***

<b>2018</b>				<b>2019</b>				<b>2020</b>			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
724	0	0	0	672	0	0	0	732	0	0	0

***SafetyNET***

- i. NAVAREA XVI Warnings are broadcasted on SafetyNET through the AOR (W) satellite, as well as NAVTEX when appropriate.*
- ii. The following table shows the number of SafetyNET messages (including weekly bulletins) that were promulgated:*

<i>SAFETYNET</i>			
<i>MONTH</i>	<i>2018</i>	<i>2019</i>	<i>2020</i>
<i>JANUARY</i>	82	82	77
<i>FEBRUARY</i>	75	73	75
<i>MARCH</i>	81	75	70
<i>APRIL</i>	78	71	69
<i>MAY</i>	71	74	81
<i>JUNE</i>	72	75	72
<i>JULY</i>	70	73	75
<i>AUGUST</i>	77	50	70
<i>SEPTEMBER</i>	75	70	73
<i>OCTOBER</i>	86	66	81
<i>NOVEMBER</i>	81	62	91
<i>DECEMBER</i>	72	70	74
<i>ANUAL</i>	<b>920</b>	<b>841</b>	<b>908</b>

*Specifics of MSI within NAVAREA, include how many SafetyNET messages were promulgated over 3yr period e.g. NAVAREA XVI 2018 - 920, 2019 - 841, 2020 - 908; 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:*

	<b>2018</b>		<b>2019</b>		<b>2020</b>	
	Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
SafetyNET	87	21.5 Mins	64	20.5 Mins	78	21.0 Mins
SafetyCast	xx	n/a	xx	n/a	xx	n/a

*\* Commenced "Test Phase" March 10, 2021.*

*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 testing the sending of SafetyCast messages through the IRIDIUM web platform. From March 10, 2021 to the present.*

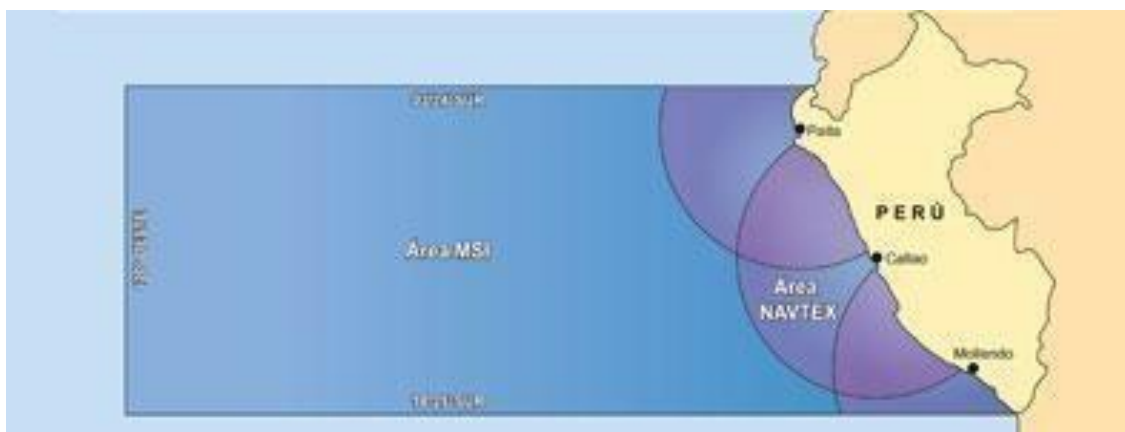
*Specifics of requests for list of in-force navigations warnings*

<b>2018</b>		<b>2019</b>		<b>2020</b>	
Total	E-mail	Total	E-mail	Total	E-mail
724	724	672	672	732	732

**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	24/7 contact information provided	Promulgate two scheduled broadcasts	Certificates for all recognised service providers	IMO Master Plan updated
NAVAREA XVI	YES	YES	YES	YES	YES	YES	YES	YES

## 6. Contingency Planning

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

The contingency plan considers the execution of 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 NAVARAREA XVI Coordination Centre receives the Tsunami warning, he/she will broadcast immediately the radio navigational warning through MARLINK website.

If it were 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 by MARLINK website.

Currently, a Contingency Plan has not been implemented with another NAVAREA coordinator.

## **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) Marlink Inmarsat C interface system used as the primary means of sending SafetyNET warnings.*
- *ONE (1) NAVTEX equipment, FURUNO brand, model MX-700. It 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, Titan Vista Pro 200000 model, 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/radioavisos>*

**Dirección de Hidrografía y Navegación**  
Marina de Guerra del Perú

INICIO NOSOTROS ▾ SERVICIOS Y PRODUCTOS ▾ BOLETINES ▾ FENÓMENO EL NIÑO ▾ PRONÓSTICOS ▾ GALERÍA ▾ VIDEOS

**RADIOAVISOS**

Map showing the **Área MSI** (03°24' SUR, 120° OESTE, 18°21' SUR) and **Área NAVTEX** off the coast of Peru, with cities like Paíta, Callao, and Mollendo marked.

- 110-2021 FARO MORRO CARRETAS SEÑAL LUMINOSA TEMPORALMENTE INOPERATIVA
- 103-2021 FARO ISLA GUAÑAPE SUR TEMPORALMENTE INOPERATIVA
- 098-2021 EMBARCACION PESQUERA ROSA AMELIA MATRICULA CO-34273-CM SUFRIO HUNDIMIENTO PARCIAL EN PROXIMIDADES ZONA FONDEO RADA EXTERIOR
- 096-2021 EMBARCACIÓN PESQUERA MI PASTOR HUNDIDA EN PROXIMIDADES
- 088-2021 EMBARCACION PESQUERA MARISA MATRICULA CO-16021-CM REPORTADA PERDIDA

**AVISOS IMPORTANTES**

OLEAJES VIENTOS SISMOS

**AVISO ESPECIAL Nro. 37**  
☑ La Marina de Guerra del Perú a través de la Dirección de Hidrografía...

**AVISO ESPECIAL Nro. 36**  
☑ La Marina de Guerra del Perú a través de la Dirección de Hidrografía...

**AVISO ESPECIAL Nro. 35**  
☑ La Marina de Guerra del Perú a través de la Dirección de Hidrografía...

**TABLA DE MAREAS**

JULIO, 2021

## 10. NAVAREA Contact Information:

PERU (NAVAREA XVI)

Contralmirante Roberto Sandro JIMENEZ Torreblanca  
Street Roca N° 118 Chucuito – Callao Postal code: 07021

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

Fax: +51(1)2078178

Email: [rjimenez@dhn.mil.pe](mailto:rjimenez@dhn.mil.pe)

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

Website: <https://www.dhn.mil.pe/radioavisos>

## 11. Recommendations:

None

## 12. Actions requested:

None

13. 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.*