

MSI Self Assessment NAVAREA XVI

PERU - DIRECTORATE OF HYDROGRAPHY AND NAVIGATION

SUMMARY

Executive Summary: Report of activities within NAVAREA XVI since WWNWS11

Action to be taken: *Note this Report*

Related documents: *None*

1. Background:

The Directorate of Hydrography and Navigation of the Peruvian Navy (DIHIDRONAV) is the NAVAREA XVI Coordinator and transmits Maritime Safety Information by SafetyNET Service through the server MARLINK which uses AOR-W satellite.

The NAVAREA XVI limits are as follow:

North: Parallel 03° 34' S.

South: Parallel 18° 21' S.

East: Peruvian Coastline.

West: Meridian 120° 00' W.



The Operational Point of Contact for National Coordinators within the NAVAREA XVI is the following:

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

2. Comments:

- No changes on GMDSS Master Plan.
- The Maritime Safety Information (MSI) within NAVAREA XVI is followed according to the Joint IMO/IHO/WMO Manual on Maritime Safety Information Revised.
- Equipment and software versions used are up to date.
- The following table shows the equipment installed in NAVAREA XVI Operation Center to monitor all MSI messages broadcasted by NAVAREA XVI Coordinator:

Specifics of all equipment used and software versions:

Equipment Type	Software Version	Date of Up-date
Transceiver Inmarsat Mini- C	Felcom 16	None
NAVTEX receiver	N/A	Original

Specifics of information and data received:

2017				2018				2019			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
687	0	0	0	724	0	0	0	672	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:

SAFETYNET			
MONTH	2017	2018	2019
JANUARY	53	82	82
FEBRUARY	54	75	73
MARCH	60	81	75
APRIL	56	78	71
MAY	61	71	74
JUNE	59	72	75
JULY	66	70	73
AUGUST	76	77	50

SEPTEMBER	82	75	70
OCTOBER	85	86	66
NOVEMBER	68	81	62
DECEMBER	91	72	70
ANUAL	811	920	841

Specifics of MSI within NAVAREA, include how many SafetyNET messages were promulgated over 3yr period.

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:

2017		2018		2019	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
57	20.2 Mins	87	21.5 Mins	64	20.5 Mins

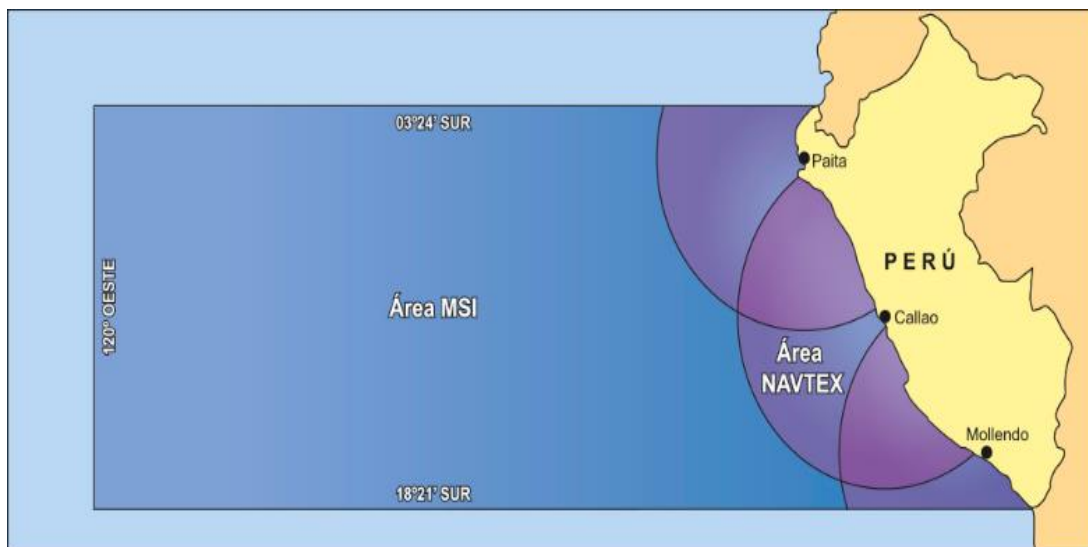
Specifics of requests for list of in-force navigations warnings

2017		2018		2019	
Total	E-mail	Total	E-mail	Total	E-mail
687	687	724	724	672	672

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 (250NM off the coast) Coverage area

3.3 Contact details for NAVTEX Stations:

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

4. Operational Issues:

- 4.1 Only coastal stations Paita and Callao 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 Warnings Messages with less than 42 days old; are daily broadcasted on SafetyNET at 0500-1700 UTC.
- 4.4 Warnings Messages with more than 42 days old are published monthly in the Notice to Mariners bulletin and posted on the web page of this Directorate.

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
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 via 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) INMARSAT MINI “C” equipment, brand FURUNO, model FELCOM. It is used as a primary means of sending SafetyNET warnings. The computer is configured to send warnings via e-mail in NAVAREA XVI using Marlink.
- ONE (1) NAVTEX equipment, brand FURUNO, 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, model STANDARD HORIZON. 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 brand Centralion, 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/radioavisos>

NAVAREA XVI Web Site

10. NAVAREA Contact Information:

PERU (NAVAREA XVI)

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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 daily basis, 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. Likewise, Coordination Center NAVAREA XVI has ISO 9001:2008 quality management certification.