

MSI Self Assessment NAVAREA XVI

Submitted by

PERU – DIRECTORATE OF HYDROGRAPHY AND NAVIGATION

SUMMARY

Executive Summary: This document reports on the activities of NAVAREA XVI

Acción que se tomará: 12

Documentos relacionados: None

1. Background:

NAVAREA XVI Maritime zone covering the SAFETYNET server

NAVAREA	Country	Area covered	Time (UTC)	Satellite	Safetynet Server
XVI	Perú	Among the parallels 3° 24' S and 18° 21' S, and the Peruvian coast to the meridian 120° 00' W	0500, 1700	AOR (W)	VIZADA

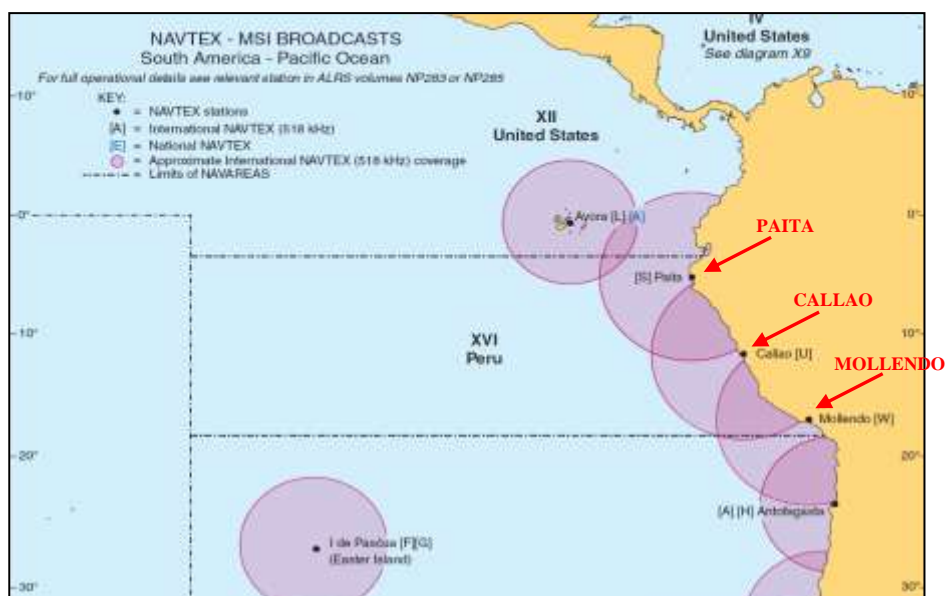
Operational Points of Contact for National Co-ordinators within the NAVAREA

National Coordinator: “Directorate of Hydrography and Navigation(DHN)”				
Responsible	Contact Person	Telephone	Fax	E-mail
Director of Hydrography and Navigation	Javier GAVIOLA Tejada	(01) 613-6767 Extension 6400-6401	(01) 465-8312	jgaviola@dhn.mil.pe
Head of the Navigation Department	Ricardo ESCOBAR Vásquez de Velasco	(01) 613-6767 Extension 6480	(01) 613-6759	rescobar@dhn.mil.pe

PERU NAVTEX Transmission Schedules in 518 khz
(English/Spanish)

Station Name	Transmission Schedules NAVAREAS (UTC)	Transmission Schedules FORECAST (UTC)	Location
Paita [S]	0700 1100 1900 2300	0300 1500	Lat. 05°05.0' S, Long. 81°06.0' W
Callao [U]	1120 1520 2320 0320	1920 0720	Lat. 12°02.0' S, Long. 77°07.0' W
Mollendo [W]	1540 1940 0340 0740	1140 2340	Lat. 17°01.0' S, Long. 72°01.0' W

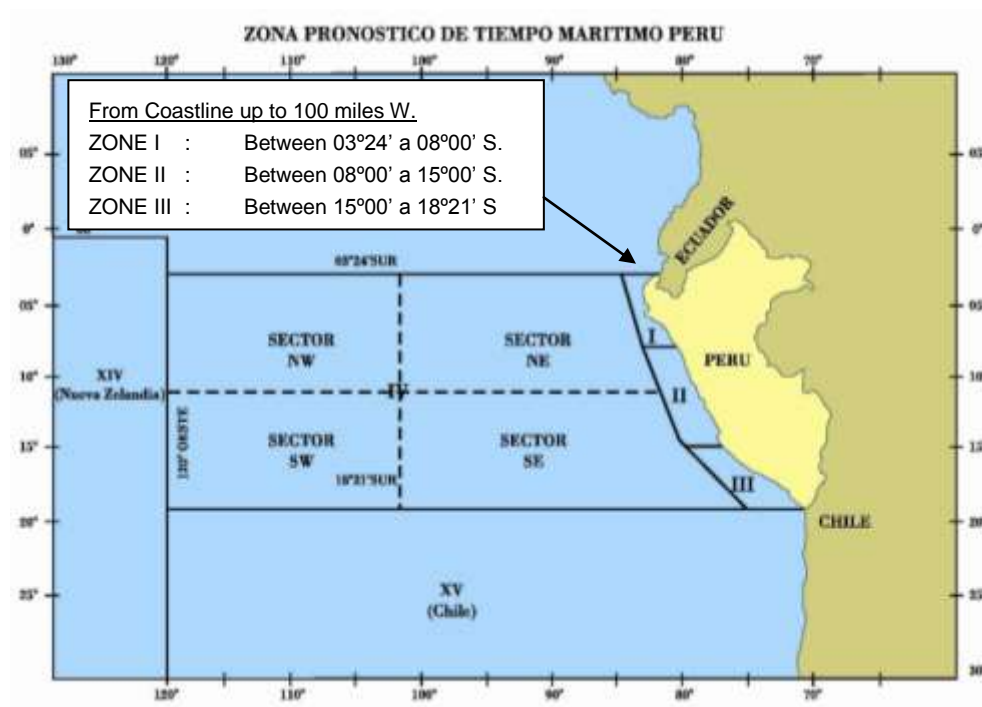
PERU NAVTEX (400 MN from the coast) Coverage Area



Coastal stations which transmit weather warnings
for maritime navigation

Station Name	Forecast Area	Information
Paíta [S] RADIO OBY2	Coastal region I up to 100 miles approximately	Weather and sea conditions
Callao [U] RADIO OBC3	Coastal regions I, II, III up to 100 miles aprox. and Oceanic Oceanic IV up to Meridian 120° West	Weather and sea conditions
Mollendo [W] RADIO OBF4	Coastal region III up to 100 miles approximately	Weather and sea conditions

FORECAST coverage



Local coastal stations that broadcast special weather warnings

COASTAL	CALL SIGN	VHF (F3E) CHANNEL	GEOGRAPHICAL LOCATION	
			Latitude	Longitude
ZORRITOS	OBU2	16	03°40' S	80°40' W
TALARA	OBT2	16	04°35' S	81°17' W
PAITA	OBY2	16 12	05°05' S	81°07' W
PIMENTEL	OBH2	16	06°57' S	79°52' W
SALAVERRY	OBR3	16	08°13' S	78°59' W
CHIMBOTE	OBZ3	16	09°05' S	78°38' W
HUACHO		16	11°07' S	77°37' W
CALLAO	OBC3	16	12°03' S	77°09' W
PISCO		16	13°43' S	76°14' W
MOLLENDO	OBF4	16	17°01' S	72°01' W
ILO		16	17°38' S	71°21' W

2. Comments:

The GMDSS Master Plan was updated via e-mail with Mr. Des Thompson, Editor ALRS Volumen 5 (GMDSS) Admiralty List of Radio Signals, United Kingdom Hydrographic Office, in March of this year. Changes in the GMDSS Master Plan, Volumen 5 (2012/2013) were checked by this Directorate of Hydrography and Navigation after it was delivered by United Kingdom Hydrographic Office in July.

The Maritime Safety Information (MSI) within NAVAREA XVI is followed according to the Joint IMO/IHO/WMO Manual on Maritime Safety Information revised.
NAVAREA XVI:

2008 – 95 broadcasted
2009 – 85 broadcasted
2010 – 123 broadcasted
2011 – 236 broadcasted
2012 – 143 broadcasted (to date)

3. NAVTEX coverage:

PERU NAVTEX Contact points and status of the stations

Station Name	Contact Person	Telephone /Mobile phone	Status
<i>Paíta [S]</i>	<i>On duty personnel</i>	<i>(073) 21-1670/ 9695-20961</i>	<i>Working</i>
<i>Callao [U]</i>	<i>On duty personnel</i>	<i>(01) 420-0177/ 9999-25383</i>	<i>Working</i>
<i>Mollendo [W]</i>	<i>On duty personnel</i>	<i>(054) 53-4383/ 9590-36759</i>	<i>Working</i>

The proper operational of Callao NAVTEX station is approved by a receiving station installed in this Directorate. However, the proper operational of Mollendo and Paita NAVTEX stations are carried out by Naval and hydrographic ships.

4. Operational Issues:

- 1. This Directorate publishes in force warnings.*
- 2. Warnings with more than 42 days old are published monthly in the Notice to Mariners bulletin and are posted on the web page of this Directorate.*

5. Quality Management Survey

NAVAREA	ISO 9001 -2008	Promulgate In Force Bulletin	Promulgate "No Warning Message"	Monitor Broadcast in almost real time	24/7 contact information provided	Promulgate two scheduled broadcasts	IMO Master Plan updated
NAVAREA XVI	YES	YES	YES	YES	* YES	YES	YES

** Only in case of Tsunami.*

6. Contingency Plan

CONTINGENCY PLAN OF THE NAVAREA XVI COORDINATION CENTRE

GENERAL SITUATION

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. .

In this regard, a timely warning, a good approach and adequate training before the arrival of these waves, will minimize their destructive effects

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.

RESOURCES

The NAVAREA XVI Coordination Centre counts on a 24 hours service staff in case of a natural disaster occurs.

The NAVAREA XVI Coordination Centre has the following equipments:

ONE (1) INMARSAT MINI "C" equipment, FURUNO brand, model FELCOM XVI is used as a primary means of sending SafetyNET warnings. The computer is configured

to send warnings via e-mail in NAVAREA XVI are using Vizada LES, and as an alternative means, the access to the web through Vizada is used.

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, ICOM brand, STANDARD HORIZON model, is used to communicate with the units within an area of 20 nautical miles, and captaincies and coastal station 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.

ONE (1) generator set, Motyrep brand of 220 volts to be used 24 hours in case of no electric power.

IMPLEMENTATION

When the operator of the NAVAREA XVI Coordination Centre receives the tsunami warning, he will broadcast immediately the radio navigational warning through INMARSAT MINI "C".

If the earthquake produced the inoperability of INMARSAT MINI "C" and UPS of the NAVAREA XVI Coordination Centre, the operator shall transmit the radio navigational warning from the Tsunami Warning Hall via VIZADA website.

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 VIZADA website.

At present a Contingency plan has not been implemented with another NAVAREA coordinator.

7. Capacity Building:

NAVAREA XVI has purchased and installed some state-of-the-art equipments that allow sending and receiving SafetyNET warnings via Inmarsat "C", as the primary and alternate mean via e-mail through VIZADA web site.

Also, a monitor of 50' inches to display graphically the in force radio navigational warnings through a Geographical Information System has been installed in the NAVAREA XVI Coordination Centre.

8. Other Activities:

In May 2011, the Directorate of Hydrography and Navigation participated in the Maritime Safety Information Course - Maritime Safety Information (MSI), sponsored by the International Hydrographic Bureau (IHB), carried out at the premises of the Directorate of Hydrography and Navigation of the Navy of Brazil together with members of the states involved in South America and the Caribbean regions

In September 2011, the Directorate of Hydrography and Navigation participated in the Third Meeting of the Sub Committee on the World-Wide Navigational Warning Service (WWNWS), in the Principality of Monaco, Monaco.

9. NAVAREA web site:

Our web site is updated when a radio navigational warning is issued or/and every 24 hours or when the latest updating is displayed on the web site.

<http://www.dhn.mil.pe/index.asp?pag=navareas>

10. NAVAREA Contact Information:

<http://www.dhn.mil.pe/index.asp?pag=navareas>

11. Recommendations:

During the Fourth JCOMM meeting held in Yeosu –Korea, Mr. Edgard Cabrera, Head of Marine Meteorology and Ocean Affairs Division of the World Meteorological Organization was requested to give the responsibility of Metarea XVI to Peru due to the quality and accuracy of our forecasts and the modernization of our equipments. .

12. Actions requested:

None

13. Synopsis:

State-of-the-art equipments that allow sending and receiving SafetyNET warnings via Inmarsat “C” as the principal and alternate means via e-mail through Vizada website have been purchased and installed.

Likewise, a 50-inch monitor to display graphically in force radio navigational warnings by a Geographic Information System in the NAVAREA XVI has been installed.

During the fourth session of JCOMM held on Yeosu - Korea, Mr Edgard Cabrera, Head of Marine Meteorology and Ocean Affairs Division of the World Meteorological Organization, was requested to give the Metarea XVI responsibility to Peru, because of the quality and accuracy of our forecasts and the modernization of our equipments. In this regard and according to the coordination carried out with the International Maritime Organization and the National Oceanic and Atmospheric Administration (NOAA) representatives, was proposed to test weather forecasts of Peru to October of this year, and based on these results to give Peru the Metarea XVI responsibility.