

PTWC Background

- PTWC agreed to be the only TSP within the PTWS to implement these products since it covers the entire PTWS service area.
- A test dissemination of these products was conducted during PacWave 24 exercise
- PTWC has developed the software and a draft guide on the products to include as an annex to the User's Guide for PTWC Products for the PTWS
- Implementation planned for 2025, but it has slipped into 2026.

21 Global NAVAREAS (unofficial)



Responsible Countries

NAVAREA	Description	Responsible Country
VI	Southwest Atlantic	Argentina
X	Southwest Pacific	Australia
XI	Western Pacific	Japan
XII	Northeast Pacific	USA
XIII	Western North Pacific	Russian Federation
XIV	Central South Pacific	New Zealand
XV	Eastern Central Pacific	Chile
XVI	Southeastern Pacific	Peru

Adjacent PTWS Coasts

NAVAREA	Countries or Territories or Places with Adjacent Coasts
VI	Uruguay, Argentina , Antarctica (68.6°W to 20°W)
X	Australia, Antarctica (80°E to 160°E), Papua New Guinea, Solomon Islands, Vanuatu, New Caledonia, Nauru
XI	Japan, Guam, Northern Marianas, China, Taiwan, Philippines, DPR of Korea, Republic of Korea, Vietnam, Cambodia, Thailand, Malaysia, Singapore, Indonesia, Brunei, Palau, Chuuk, Pohnpei, Marshall Islands, Wake Island, Kiribati (Gilbert Islands with North Latitude), and Kosrae
XII	Hawaii, Northwestern Hawaiian Islands, Ecuador, Colombia, Panama, Costa Rica, Nicaragua, Honduras, El Salvador, Guatemala, Mexico, US West Coast, Canada (British Columbia), Alaska, Howland and Baker, Johnston Atoll, Palmyra Island, Midway Island, Kiribati (Line Islands with North Latitude), Tuvalu (North Latitude)
XIII	Russia
XIV	New Zealand, Antarctica (160°E to 120°W), Tonga, Fiji, Samoa, American Samoa, Niue, Wallis and Futuna, Cook Islands, French Polynesia, Kermadec Islands, Jarvis Island, Tuvalu (South Latitude), Kiribati (Phoenix Islands), Kiribati (Gilbert Islands – South Latitude), Kiribati (Line Islands – South Latitude), Pitcairn Islands, and Tokelau
XV	Chile, Antarctica (120°W to 68.6°W)
XVI	Peru

Key Characteristics

- Maritime Message would be issued only when tsunami amplitudes are forecast to be 0.3m or larger along any PTWS coast.
- Message will name the affected NAVAREAS and the adjacent countries or territories that have a forecast of 0.3m or greater.
- Messages only re-issued if the tsunami forecast changes.
- Final Maritime Message issued with final TSP product for the PTWS.
- Content of the Maritime Messages was made very concise.
- Maritime Messages disseminated only by email.

2/6/25 Clarifications from WWNWS

- The proposed message content is fine.
- Ships entering an affected NAVAREA will receive the message when they enter the affected NAVAREA as long as a final message has not yet been issued. There is also a 250 nautical miles extension around all NAVAREAS for receiving products.
- Message can be sent directly to NAVAREA Coordinators as well as to their country TWFPs and NTWCs.
- Messages should only be sent to NAVAREA Coordinators of the affected NAVAREAs.

Sample PTWC TSP Threat Forecast

TEST... TSUNAMI THREAT FORECAST...UPDATED ...TEST

* THIS IS A TEST MESSAGE. TSUNAMI WAVES REACHING MORE THAN 3 METERS ABOVE THE TIDE LEVEL ARE POSSIBLE ALONG SOME COASTS OF

EL SALVADOR... AND GUATEMALA.

* THIS IS A TEST MESSAGE. TSUNAMI WAVES REACHING 1 TO 3 METERS ABOVE THE TIDE LEVEL ARE POSSIBLE ALONG SOME COASTS OF

COSTA RICA... ECUADOR... MEXICO... NICARAGUA... PANAMA... AND PERU.

* THIS IS A TEST MESSAGE. TSUNAMI WAVES REACHING 0.3 TO 1 METERS ABOVE THE TIDE LEVEL ARE POSSIBLE FOR SOME COASTS OF

COLOMBIA.

Corresponding Maritime Message

MARITIME TSUNAMI THREAT MESSAGE NUMBER 01
NWS PACIFIC TSUNAMI WARNING CENTER HONOLULU HI
1853 UTC TUE FEB 4 2025

THIS MESSAGE IS FOR NAVAREA XII, AND NAVAREA XVI.

A TSUNAMI THREAT IS OCCURRING.

A TSUNAMI MAY HAVE BEEN GENERATED BY AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 8.6 THAT OCCURRED NEAR THE COAST OF GUATEMALA AT 1844 UTC ON TUESDAY FEBRUARY 4 2025.

HAZARDOUS TSUNAMI WAVES ARE FORECAST FOR SOME COASTS OF COLOMBIA, COSTA RICA, ECUADOR, EL SALVADOR, GUATEMALA, MEXICO, NICARAGUA, PANAMA, AND PERU.

TSUNAMI WAVES ARE NOT A HAZARD TO SHIPS IN DEEP WATER BUT CAN CAUSE STRONG CURRENTS AND RAPID SEA LEVEL CHANGES IN SHALLOW WATER AS WELL AS INUNDATION OF THE COAST.

SHIPS APPROACHING THE COAST SHOULD CONSULT LOCAL AUTHORITIES REGARDING LOCAL CONDITIONS AND ADVICES.