

UPDATES TO TSUNAMI GLOSSARY 2016



United Nations
Educational, Scientific and
Cultural Organization



Intergovernmental
Oceanographic
Commission

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ADDENDUM

NEW CORRECTIONS/ADDITIONS TO THE TSUNAMI GLOSSARY PUBLICATION

The addendum contains corrections/additions proposed by the community since the publication of the 2013 version of the Tsunami Glossary. The document is updated as necessary to reflect the important role of the tsunami community in unifying terminology and the role of UNESCO in harmonizing them in various languages.

The content of the document is subject to validation by the Working Group on Tsunamis and Other Hazards related to Sea-Level Warning and Mitigation Systems for validation (TOWS-WG), an intergovernmental mechanism that serves the various regional tsunami warning systems under the aegis of the IOC of UNESCO, with no prejudice to other discussions taking place in various bodies of the Tsunami programme (task teams etc.).

Validation of the proposed amendments would justify a revised edition of Tsunami Glossary if TOWS decides so and will be subsequently endorsed by the Governing Bodies of the Commission.

The new corrections/additions are presented in tabular form where the existing paragraph in the Glossary will be in the first column and the proposed corrections, date and source will be in the second.

CURRENT DEFINITION ¹	NEW DEFINITION
<p><u>LOCAL TSUNAMI</u>(page 5)</p> <p>A tsunami from a nearby source for which its destructive effects are confined to coasts within about 100 km, or less than 1 hour tsunami travel time from its source. [...]</p>	<p><u>LOCAL TSUNAMI</u></p> <p>A tsunami from a nearby source for which its destructive effects are confined to coasts less than 1 hour tsunami travel time, or typically within about 200 km, or from its source.[...]</p> <p><i>Proposed by International Tsunami Information Centre–01/10/2014</i></p>
<p><u>POST-TSUNAMI SURVEY</u>(page 21)</p> <p>[...]</p> <p>The IOC (text added)Post-tsunami survey field guide (Manual and Guides 37, 1998, revised 2012,SC.98/WS/24) has been prepared to guide surveys, identify methods, measurements, and observations to be taken, and to standardize data collections. The (text added)Tsunami Bulletin Board e-mail service has been used for quickly organizing ITST surveys and for sharing of the observations from impacted areas.</p>	<p><u>POST-TSUNAMI SURVEY</u></p> <p>[...]</p> <p>The IOC ITST Post-tsunami Survey Field Guide (Manual and Guides 37, 1998, 2nd ed 2014) provides a flexible framework for undertaking surveys, their guiding principles and protocols data types, and observations to be taken to standardize data collection.</p> <p><i>Proposed by International Tsunami Information Centre–01/10/2014</i></p> <p><i>Changes by the TTTWO, 11 Mar 15</i></p>
<p>Definition added(page 31)</p>	<p><u>NATIONAL TSUNAMI WARNING CENTRE.</u></p> <p>A centre officially designated by the government to monitor and issue tsunami warnings and other related statements within their country according to established national Standard Operating Procedures.</p> <p><i>Proposed by TOWS-WG-VII</i></p> <p><i>Adopted by decision of the IOC Executive Council (EC-XLVII, Dec.3.2.1)</i></p>
<p><u>PTWC and WCATWC</u>(page 31)</p> <p>Established in 1949, NOAA’s Richard H. Hagemeyer Pacific Tsunami Warning Center (PTWC, text added) in Ewa Beach, Hawaii, serves as the warning operations headquarters for the PTWS and works closely with sub-regional and national centres in monitoring and evaluating potentially</p>	<p><i>Deleted by TTTWO, 11 Mar 15.</i></p>

¹Page numbering refers to the English version of the current published edition of *Tsunami Glossary*

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<p>tsunamigenic earthquakes. It provides international warning advisories for teletsunamis to countries in the Pacific, and warnings for Hawaii and US Pacific island interests. PTWC provided interim services for the Indian Ocean from 2005-2012, and since 2005 for the wider Caribbean. Established in 1964, NOAA's West Coast and Alaska Tsunami Warning Center (WCATWC) provides warning services to the continental USA, Puerto Rico, the US and British Virgin Islands, and Canada, and serves as a back up to PTWC. (Text added)(http://ptwc.weather.gov)(http://wcatwc.arh.noaa.gov).</p>	
<p><u>PTWC and WCATWC</u> (page 32)</p>	<p><i>Deleted by TTTWO, 11 Mar 15</i></p>
<p><u>TBB</u>(page 32)</p> <p>Tsunami Bulletin Board. TBB is an ITIC-sponsored e-mail list serve that provides an open, objective scientific forum for the posting and discussion of news and information relating to tsunamis and tsunami research. The ITIC provides the service to tsunami researchers and other technical professionals for the purpose of facilitating the widespread dissemination of information on tsunami events, current research investigations, and announcements for upcoming meetings, publications, and other tsunami related materials. All members of the TBB are welcome to contribute. Messages are immediately broadcast without modification. The TBB has been very useful for helping to rapidly organize post-tsunami surveys, for distributing their results, and for planning tsunami workshops and symposia. Members of the TBB automatically receive the tsunami bulletins issued by the PTWC and <u>WCATWC</u>.</p>	<p><u>TBB</u></p> <p>Tsunami Bulletin Board. TBB is an ITIC-sponsored e-mail list serve that provides an open, objective scientific forum for the posting and discussion of news and information relating to tsunamis and tsunami research. The ITIC provides the service to tsunami researchers and other technical professionals for the purpose of facilitating the widespread dissemination of information on tsunami events, current research investigations, and announcements for upcoming meetings, publications, and other tsunami related materials. All members of the TBB are welcome to contribute. Messages are immediately broadcast without modification. The TBB has been very useful for helping to rapidly organize post-tsunami surveys, for distributing their results, and for planning tsunami workshops and symposia. Members of the TBB automatically receive the tsunami bulletins issued by the PTWC and <u>US NTWC</u>.</p> <p><i>Proposed by International Tsunami Information Centre–08/2014</i></p>

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<p><u>TSUNAMI THREAT LEVELS</u> (page 35)</p> <p>Describes the types of tsunami threats according to (text added) its potential hazard and impact to people, structures, and ecosystems on land or in near-shore marine environments. (text added)</p> <p>Depending on the type of threat, a NTWC may issue a warning, watch, advisory, or an information bulletin or statement. (text added)</p>	<p><u>TSUNAMI THREAT LEVELS</u></p> <p>Describes the types of tsunami threats according to its potential hazard and impact to people, structures, and ecosystems on land or in near-shore marine environments. Depending on the type of threat, a NTWC may issue a corresponding tsunami bulletin or statement.</p> <p><u>Land Inundation Threat</u></p> <p>Tsunamis that can inundate coastal communities possibly causing significant damage. When there is a land threat, people should evacuate tsunami hazard zones.</p> <p><u>Marine Coastal Waters Threat</u></p> <p>Tsunamis that are a marine threat may generate dangerously strong and unusual currents in coastal waters. When this is a marine threat, people should stay out of the water and away from the immediate foreshore including foreshores of inlets and estuaries.</p> <p><u>Potential Threat</u></p> <p>Tsunamis that represent a potential land/marine threat but are still under evaluation.</p> <p><u>No Threat</u></p> <p>When there is no possibility of a Tsunami or Tsunamis that are generated but are not expected to cause damage or be a danger to people.</p> <p><i>Proposed by TTTWO, 21 Oct 14</i></p> <p><i>Changes by the TTTWO, 11 Mar 15</i></p>
<p><u>TWC</u> (page 36)</p> <p>[...]</p> <p>An example of an International Tsunami Warning Centre (ITWC) (text added), is the Pacific Tsunami Warning Center that provides international tsunami alerts to the Pacific. Examples of Regional ITWC's are the NWPTAC operated by the Japan JMA, and</p>	<p><u>TSUNAMI SERVICE PROVIDER (TSP).</u></p> <p>Centre that monitors seismic and sea level activity and issues timely tsunami threat information within an ICG framework to National Tsunami Warning Centres/Tsunami Warning Focal Points and other TSPs operating within an ocean basin. The NTWCs/TWFPs may use these products to develop and issue tsunami</p>

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<p>the WCATWC operated by the US NOAA. In the Pacific, these centres, along with long-time national centres in Chile, France, and Russia, also act as national TWCs providing tsunami warnings for their countries.</p>	<p>warning for their countries. TSPs may also issue Public messages for an ocean basin and act as National Tsunami Warning Centres providing tsunami warnings for their own countries. Several ICG Tsunami Service Providers have been established</p> <p><u>PTWS</u></p> <p>Japan Meteorological Agency (JMA) North West Pacific Tsunami Advisory Centre (NWPTAC): http://www.jma.go.jp/en/tsunami</p> <p>USA Pacific Tsunami Warning Center (PTWC): http://ptwc.weather.gov</p> <p><u>IOTWMS</u></p> <p>Joint Australia Tsunami Warning Centre (JATWC): http://reg.bom.gov.au/tsunami</p> <p>Indian Tsunami Early Warning Centre (ITEWC): http://www.incois.gov.in/Incois/tsunami</p> <p>Indonesian Tsunami Early Warning System (InaTEWS): http://rtsp.bmkg.go.id</p> <p><u>CARIBE-EWS</u></p> <p>USA Pacific Tsunami Warning Center (PTWC): http://ptwc.weather.gov</p> <p>Bi-lateral, multi-lateral and subregional arrangements may also exist to provide products for a sub set of Member States within an ICG. The criteria may or may not be established by the ICG.</p> <p><i>Proposed by TTTWO, 11 Mar 15</i></p>
<p><u>TWFP</u> (page 37)</p> <p>ICG Tsunami Warning Focal Point. 7x24 contact person, or other official point of contact or address for rapidly receiving and issuing tsunami event information (such as warnings). The Tsunami Warning Focal Point either is the emergency authority (civil defence or other designated agency responsible for public safety), or has the responsibility of notifying the emergency authority of the event characteristics (earthquake and/or tsunami), in accordance</p>	<p><u>TWFP</u></p> <p>ICG Tsunami Warning Focal Point .A 24x7 point of contact (office, operational unit or position, not a person) officially designated by the NTWC or the government to receive and disseminate tsunami information from an ICG Tsunami Service Provider according to established national Standard Operating Procedures. The TWFP may or not be the NTWC.</p>

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<p>with national standard operating procedures.</p> <p>The Tsunami Warning Focal Point receives international tsunami advice from PTWS centres (PTWC, WCATWC, NWPTAC within the JMA), IOTWS RTSPs (in 2012, Australia, India, Indonesia), NEAMTWS Candidate TWPs (in 2012, France, Turkey, Greece) or other regional international warning centres.</p>	<p><i>Proposed by TOWS-WG-VII</i></p> <p><u>Adopted by decision of the IOC Executive Council (EC-XLVII, Dec.3.2.1)</u></p>
<p><u>BIBLIOGRAPHY</u> (page 38)</p>	<p><u>BIBLIOGRAPHY</u></p> <p><i>To be reviewed</i></p> <p><i>Proposed by International Tsunami Information Centre–01/10/2014</i></p>
<p><i>Definition added</i>(page 33)</p>	<p><u>TOWS-WG</u></p> <p>IOC Resolution XXIV-14 (2007) established the Working Group on Tsunamis and Other Hazards related to Sea Level Warning and Mitigation Systems to advise the IOC Governing Bodies on coordinated development and implementation activities on warning and mitigation systems for tsunamis and other hazards related to sea level as a common priority of all ICG Tsunami Warning and Mitigation Systems.</p> <p><i>Proposed by TOWS-WG-VIII on 13 Mar 2015</i></p>
<p><i>Definition added</i>(page 35)</p>	<p><u>Tsunami Information Centres</u></p> <p>Centres that provide education, outreach, technical and capacity building assistance to Member States and the public in preventing, preparing, and mitigating measures for tsunamis. Among other activities, the centres manage post event performance surveys, serve as a resource for the development, publication, and distribution of tsunami education and preparedness materials and information on tsunami occurrences, and may support risk assessment and mitigation activities. A Tsunami Information Center has been established in each of the regional tsunami warning systems within the ICG framework.</p> <p>PTWS: International Tsunami Information Center (ITIC): http://itic.ioc-unesco.org</p>

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	<p>IOTWMS: Indian Ocean Tsunami Information Centre (IOTIC): http://iotic.ioc-unesco.org</p> <p>NEAMTWS: North-Eastern Atlantic, Mediterranean and connected seas Tsunami Information Centre (NEAMTIC): http://neamtic.ioc-unesco.org</p> <p>CARIBE-EWS: Caribbean Tsunami Information Centre (CTIC): http://ctic.ioc-unesco.org.</p>