

ANNEX II

ADOPTED RECOMMENDATIONS

Recommendation ICG/PTWS-XXVI.1

ICG/PTWS Governance

The Intergovernmental Coordination Group for the Pacific Tsunami Warning and Mitigation System (ICG/PTWS);

Noting and **considering** the outcomes of the International Tsunami Symposium Commemorating the 50th Anniversary of the Pacific Tsunami Warning and Mitigation System “Making the Pacific Ready for the Tsunami Threat” (20-21, April 2015, Honolulu, Hawaii, USA);

Expresses gratitude to NOAA, IUGG and IOC of UNESCO for re-vitalising the partnership between the scientific community, emergency managers and operational tsunami warning centres;

Recalling IOC Resolution IV–6 that established the International Coordination Group for the Tsunami Warning System in the Pacific (ICG/ITSU) and IOC Resolution XXXIX-8 that renamed ITSU to be the Pacific Tsunami Warning and Mitigation System (PTWS) and to provide continuity through the Intergovernmental Coordination Group for the Pacific Tsunami Warning and Mitigation System (ICG/PTWS);

Reaffirming that the Pacific Tsunami Warning and Mitigation System (PTWS) will be a coordinated network of national systems and capacities, and will be part of a global network of early-warning systems for all ocean-related hazards;

Notes the outcomes from the Third United Nations World Conference on Disaster Risk Reduction Risk (UN WCDRR), Sendai, Japan, 14-18 March 2015, and the resulting government commitments to the Sendai Framework for Disaster Risk Reduction 2015-2030;

Reaffirming further that each Member State has the sovereign responsibility to issue warnings within its respective territories;

Noting with appreciation the tsunami forecasting products provided for the Member States of the PTWS by the PTWC hosted by the USA and the NWPTAC hosted by Japan, and guidance materials by the ITIC;

Recalling the Mauritius Declaration adopted at the Intergovernmental Coordination Meeting held at Grand Baie, 14–16 April 2005 to openly share and exchange tsunami-relevant real-time observational data in accordance with the UNESCO/IOC Oceanographic Data Exchange Policy;

Recalling Decision IOC-XXVII/Dec.5.2.2 which decided to continue the TOWS-WG for the next intersessional period with the existing terms of reference and membership, and accepted the report of TOWS-WG and its recommendation of continuing the Inter-ICG Task Teams on Disaster Management and Preparedness, Hazard Assessment Related to Highest Potential Tsunami Source Areas, and Tsunami Watch Operations for the next intersessional period, with the same membership and Terms of Reference;

Having reviewed the progress made in the implementation of the PTWS since the 25th Session of the ICG/PTWS;

Having considered the reports of:

- Working Group 1 on Tsunami Risk Assessment and Reduction
- Working Group 2 on Tsunami Detection, Warning and Dissemination
- Working Group 3 on Disaster Management and Response
- WG2 Task Team on Warning Dissemination
- WG2 Task Team on PACWAVE 15
- WG2 Task Team on Enhancing Products
- WG2 Task Team on Seismic Data Sharing in the South West Pacific
- Regional Working Group on Tsunami Warning and Mitigation System in the Central American Pacific Coast
- Regional Working Group on Tsunami Warning and Mitigation System in the South East Pacific Region
- Regional Working Group on Tsunami Warning and Mitigation System in the South West Pacific Region
- Regional Working Group on Tsunami Warning and Mitigation System in the South China Sea Region
- 4th Meeting of the PTWS Steering Committee, Honolulu, Hawaii, USA, July 2014
- 8th Meeting of the TOWS-WG and its Task Teams, Morioka, Japan, March 2015
- North West Pacific Tsunami Advisory Center (NWPTAC)
- Pacific Tsunami Warning Center (PTWC)
- International Tsunami Information Center (ITIC)
- Chairman's Report
- Reports of the ICG/IOTWS, ICG/NEAMTWS, ICG/CARIBE-EWS

Recognizing the importance of inclusion of emergency managers to help re-orient the ICG/PTWS to focus on the last mile of the end-to-end tsunami warning and mitigation system;

Encourages Member States to include representation of Disaster Management Organizations (DMOs) and/or relevant social scientists in their delegations to the ICG and relevant inter-sessional Working Groups;

Acknowledging that the PTWS is effective in saving lives and reducing the impacts to communities in both near-field and distant-tsunami events through the three pillars of risk assessment and reduction, detection, warning and dissemination, and awareness and response;

Encourages voluntary contributions to support Budget and Programme activities recommended by the ICG/PTWS either directly or through the IOC Special Account set up for the PTWS as well as in-kind and extrabudgetary contributions, in particular for training with regards to the new Enhanced Products;

Encourages Member States to nominate members for the three technical Working Groups;

Recognizing the limited capacity of many Member States of the PTWS in 1) tsunami risk assessment and reduction; 2) tsunami detection, warning and dissemination; and 3) tsunami awareness and response;

Encourages Member States, donors and development partners to re-commit to investing in resources to sustain and enhance national tsunami warning and mitigation systems;

Requests Member States to promptly inform the Secretariat of all changes to their Tsunami National Contacts (TNCs), National Tsunami Warning Centres (NTWCs), and Tsunami Warning Focal Points (TWFPs) through official channels;

Noting the importance of seismic data for timely and accurate determination of tsunami threats by TSPs, **requests** Member States to provide all relevant seismic data in real-time to the TSPs and international seismic data centres and to ensure station calibration and metadata are kept up to date;

Noting the importance of clarifying the earthquake and tsunami potential in the Pacific Ocean region, **encourages** Member States to acquire and share new datasets such as GNSS, seismic and other geological data;

Requests Member States to share any new forms of sea level data for tsunami warning purposes in accordance with the IOC Oceanographic Data Sharing Policy;

Decides to:

1. Reconstitute WG1 under the name of Tsunami Hazard Assessment with Terms-of-Reference as attached in Appendix to Recommendation ICG/PTWS-XXVI.1, Chair Mr Vasily Titov (USA), Vice-Chair Mr Francois Schindele (France);
2. Dissolve the WG1 Task Team on Tsunami Risk Assessment after completion of its activity report and recommendations and publication as an IOC report;
3. Dissolve the WG1 Task Team on Tsunami Modelling Hazard Assessment Task Team and merge with WG1 on Tsunami Hazard Assessment;
4. Continue WG2 Tsunami Detection, Warning and Dissemination; Chair Mr Ken Gledhill (New Zealand) and Vice-Chair Mr Dan Jaksa (Australia); with revised Terms of Reference as attached in Appendix to Recommendation ICG/PTWS-XXVI.1;
5. Dissolve WG2 Task Team on Warning Dissemination: and merge into WG2 Tsunami Detection, Warning and Dissemination;
6. Continue WG2 Task Team on Enhancing Products, Chair Mr Charles McCreery (USA), Vice Chair Mr Tomoaki Ozaki (Japan) with same Terms of Reference as attached in Appendix to Recommendation ICG/PTWS-XXVI.1;
7. Continue WG2 Task Team on Seismic Data Sharing in the South West Pacific Co-Chairs Ms Eslina Garaebiti Bule (Vanuatu) and Mr Pierre Lebellegard (France) with

revised Terms of Reference as attached in Appendix to Recommendation ICG/PTWS-XXVI.1;

8. Reconstitute WG3 under the name of Disaster Management, Preparedness and Risk Reduction, Chair Mr David Coetzee (New Zealand) and Vice Chair Ms Julie Leonard (USA) with revised Terms-of-Reference as attached in Appendix to Recommendation ICG/PTWS-XXVI.1;
9. Continue Sub-Regional Working Groups and Task Teams with same Terms of Reference except where noted:
 - Regional Working Group on Tsunami Warning and Mitigation System on the Central American Pacific Coast, Chair Ms Angelica Munoz (Nicaragua) and vice-chair Mr Dolan Castro (Honduras) with revised Terms of Reference as attached in Appendix to Recommendation ICG/PTWS-XXVI.1;
 - Regional Working Group on Tsunami Warning and Mitigation System in the South East Pacific Region; Chair Mr Humberto Gomez (Ecuador) and Vice-Chair Ms Mary Rengifo (Colombia);
 - Regional Working Group on Tsunami Warning and Mitigation System in the South West Pacific Region; Chair Mr Ofa Fa'anunu (Tonga).and vice-chair Ms Eslie Garaebiti (Vanuatu);
 - Regional Working Group on Tsunami Warning and Mitigation System in the South China Sea Region; Chair Mr Mok Hing-yim (China) and Vice-Chair Mr Nguyen Hong Phuong (Vietnam);
 - Task Team of the Regional Working Group on Tsunami Warning and Mitigation in the South China Sea Region on Establishment of a South China Sea Tsunami Advisory Center, Chair Mr Ye Yuan (China), Vice Chair Mr Wandono (Indonesia);
10. Continue the PTWS Steering Committee with same Terms-of-Reference as attached in Appendix to Recommendation ICG/PTWS-XXVI.1;
11. Establish a Task Team on PACWAVE Exercises under the Steering Committee, Co-Chairs Ms Jo Guard (New Zealand), Ms Laura Kong (USA) and Mr Tomoaki Ozaki (Japan) with Terms of Reference as attached in Appendix to Recommendation ICG/PTWS-XXVI.1;

Requests Member States to participate more actively in the activities of the re-constituted Working Group 3 on Disaster Management, Preparedness and Risk Reduction, with specific emphasis on the involvement of social scientists and disaster managers;

Decides to continue to disseminate a communication test message from the PTWC once a month on the same day and at the same time every month and two random unannounced tests annually to the PTWS Member State TWFPs;

Decides to conduct training workshops on hazard assessment organised by WG1 Tsunami Hazard Assessment in coordination with IUGG to enhance collaboration between the operational and research communities, as recommended by the TOWS-WG, subject to extra-budgetary funding support being identified;

Decides to hold joint inter-sessional meetings of Working Groups (1, 2, and 3), Task Teams and the Steering Committee, and to revert to four-day ICG meetings to allow sufficient time for discussion and decisions;

Decides to replace the current Implementation Plan with a PTWS Status Report prepared by the Steering Committee for presentation and review at each session of the ICG/PTWS, with the Action Plans of the Working Groups and Task Teams being informed by the Decisions, Recommendations and Action Plans of the ICG/PTWS to address any issues, gaps and identified enhancements identified by the PTWS Status Report;

Decides to have a balanced effort of the ICG/PTWS across: a) risk and hazard assessment; b) warning systems; and c) awareness and preparedness, taking into consideration Member States reporting and targets of the UN WCDRR Sendai Framework 2015 – 2030;

Encourages the participation of regional Disaster Management Organisations as Observers on the ICG/PTWS Steering Committee and relevant Working Groups and Task Teams where appropriate, as well as joint working groups and meetings with other regional organisations/programmes as appropriate;

Decides to establish a Task Team on Future Goals and Performance Monitoring with Terms of Reference attached, reporting to the Steering Committee and chaired by ICG/PTWS Vice-Chairman Mr Rick Bailey ;

Decides to establish a Task Team on Evacuation Planning and Mapping with Terms of Reference in Appendix to Recommendation ICG/PTWS-XXVI.1, reporting to the Steering Committee and chaired by Ms Laura Kong (ITIC);

Adopts the guidelines for ICGs and their WGs and TTs, developed by TOWS-WG and its TTs, to help ICG activities focused on facilitating national implementation and enhanced regional capability and capacity;

Instructs the WG2 Tsunami Detection, Warning & Dissemination and its Task Team on Enhancing Products to review changes to TSPs products and **requests** the IOC Secretariat to provide Circular Notices on Planned Changes to PTWS TSPs Products to TNCs and TWFPs three months in advance of operational implementation;

Requests the Executive Secretary to:

1. Write to the Member States annually requesting updates to TNC, NTWC and TWFP contact details, and advise them of the procedures for updating contact details,
2. Circulate a template for national report prior to each session of the ICG/PTWS

Expresses its gratitude to the Government of the United States of America for kindly hosting the 26th Session of the ICG/PTWS in Honolulu, Hawaii; and

Further expresses its gratitude to the State of Hawaii Emergency Management and Civil Defense for sharing their experience and strategies for working with the local communities to prepare for tsunamis;

Accepts with appreciation the kind offers of France and Panama to host the 27th Session of the ICG/PTWS in Tahiti or Panama City in 2017 and requests the Secretariat to follow up with both countries to confirm the details.

Appendix to Recommendation ICG/PTWS-XXVI.1

Terms of Reference

Working Group 1: Tsunami Hazard Assessment

1. Work toward developing standards for tsunami hazard assessment model products and methodology to ensure model products interoperability and consistency for use in hazard assessment and forecast application.
2. Work with IUGG and other scientific bodies to review and report on existing methods for tsunami hazard assessments. Develop recommendations for IUGG and other scientific bodies on science gaps in hazard assessment capability.
3. Explore procedures for use of coastal inundation models, including appropriate requirements for bathymetry.
4. Liaise with Working Groups from the other ocean basins, as well as other working groups within ICG/PTWS to coordinate and ensure use of data and new model forecast products for improvements and new development of hazard assessment and tsunami forecast models.

The Group will be composed of members nominated by Member States, with a chairperson and a Vice-Chair to be elected.

Terms of Reference

Working Group 2: Tsunami Detection, Warning and Dissemination

Liaise with other working group(s) and Task Team(s) within the ICG/PTWS and with working groups from the other ocean basins through the TOWS-WG to:

1. Develop, coordinate and enhance operational implementation of interoperable tsunami threat information products and services.
2. Undertake studies to determine warning requirements for seismic and sea level data.
3. Monitor and report on the performance of key observational, warning and communication system components.
4. Contribute to the conduct of regular exercises and communication tests of the PTWS.
5. Identify areas of priority for action following assessments, communications tests, exercises and real tsunami events.
6. Develop and maintain relevant documentation, such as the PTWS Users Guide.

7. Provide advice to the International Tsunami Information Centre (ITIC) on educational materials about the warning systems and services.
8. Help strengthen the capacity and capability of Member States.

The Working Group will be composed of members nominated by Member States, Member State representatives for each ICG designated TSPs, and invited observers, with a Chair and a Vice-Chair to be elected by the ICG.

Terms of Reference

WG2 Task Team on Warning Dissemination

1. To encourage Member States to monitor arrangements for the transmission and receipt of tsunami threat level forecasts from international centres, the dissemination of alerts and public safety actions within their countries; and progress made in tsunami exercise tests.
2. To provide a forum to identify methods and systems currently available and planned for the future for alert dissemination within Member States, and in particular to regions with near source tsunami threats where arrival of tsunamis is under 1 hour.
3. To consult with National Tsunami Warning Focal Points and National Disaster Managers to determine appropriate requirements for the dissemination and receipt of alerts from Tsunami Warning Centres to community and village officials responsible for the protection of life and property, and interoperability with multi-hazard early warning systems.

Each PTWS Regional Working Group to designate an expert from among members within each region to assist in the work of the Task Team, focused on building early warning system capacity in their respective jurisdictions

Terms of Reference

Task Team on PacWave Exercises

1. Design and carry out a sixth and seventh Exercise Pacific Wave 2016 and 2017 with the following characteristics:
 - Two exercises shall be conducted to support the development of improved tsunami procedures and products by the Northwest Pacific Tsunami Advisory of the Northwest Pacific Tsunami Advisory Center (NWPTAC) enhanced products.
 - The exercises are an effective and important way to increase readiness and raise awareness, and especially communities at risk need to be prepared for the next tsunami
 - Exercise Pacific Wave 2016 (PacWave16) will
 - Take place in the first quarter of 2016, preferably in February.

- Be conducted as a regional exercise involving the sixteen countries that receive the NWPTAC products
 - Be conducted as a table top exercise
 - Exercise Pacific Wave 2017 (PacWave17) will
 - Take place in the first quarter of 2017, preferably in February
 - Be conducted as a Pacific-wide exercise involving all PTWS countries as part of the regular bi-annual Pacific Wave exercise conducted since 2006
 - Be conducted to include exercise activities over and above a table top exercise. Possible exercise variations include
 - conduct in real time during the daytime working hours with full staffing, or simulating minimal staff during night time or weekend hours
 - joint exercises involving neighboring countries organized through the PTWS Regional Working Groups
 - The exercise objectives and dates of the exercises will be finalized by the PTWS Steering Committee
 - The exercise scenarios will be a multi-scenario exercise consisting of major tsunamis originating in various seismic zones of the Pacific to complement previous scenarios in other places.
 - The exercise shall be announced by the IOC to Member States at least 180 days in advance of the exercise date.
 - The exercise manual including instructions to Member States regarding their participation and the evaluation instrument be prepared with content and structure similar to what was prepared for previous Pacific-wide exercises, but taking into account lessons learned and any need to collect additional information.
 - The exercise manual will be distributed by the IOC to Member States at least 90 days in advance of the exercise date. The manual should include instructions to Member States regarding the exercise conduct and the evaluation instrument.
 - Participating Member States be asked to complete and return the evaluation instrument no more than 21 days following the exercise.
2. Advise countries as requested on the scenarios, design and conduct of national tsunami exercises, in coordination with the Task Team on Enhancing Products
 3. Prepare the Summary Report for each exercise, compiling a list of recommendations on the NWPTAC enhanced products and the list of actions from the findings for consideration by the ICG/PTWS-XXVII.
 4. Members from the ICG/PTWS Member States, Task Team co-chairs: Laura Kong (ITIC), Jo Guard (New Zealand), Tomoaki Ozaki (Japan,)

Terms of Reference

**WG2 Task Team
on Enhancing Products**

1. Review the capabilities and plans of the international TWCs with respect to their operational products and product dissemination for the PTWS;
2. Gather feedback from Member States regarding international TWC current and planned product content, format, and dissemination;
3. Consider best practices based on social science as well as the experiences of the Member States;
4. Consider the global harmonization of tsunami warning products and terminology;
5. Develop recommendations to improve current products and /or develop new products.

Terms of Reference

**WG2 Task Team
on Seismic Data Sharing in the South West Pacific**

1. Advocate seismic data sharing in the region;
2. Advise South West Pacific countries on data sharing protocols, techniques and technologies;
3. Work with South West Pacific Countries and donors to ensure a common data sharing policy;

Members nominated by Member States and territories of the Secretariat of the Pacific Community (SPC).

Terms of Reference

**Working Group 3:
Disaster Management, Preparedness and Risk Reduction**

1. Facilitate in collaboration with TOWS Task Team on Disaster Management and Preparedness and organizations such as UNISDR, the exchange of experiences and information on risk reduction and preparedness actions, and matters related to disaster management;
2. Promote preparedness in coastal communities through education and awareness products and campaigns;
3. Facilitate SOP training across regions to strengthen emergency response capabilities of Member States and their Disaster Management Offices;
4. Develop and promote best practice preparedness material, programs and assessment tools;

5. Develop and promote best practice tsunami risk reduction material, programs and assessment tools;
6. Support the ITIC of the ICG;

The Group will be composed of members nominated by Member States, a representative of ITIC with a Chair and a Vice-Chair to be elected.

Terms of Reference

Working Group for the Central American Pacific Coast

1. To assist the Central American countries in the development, improvement and implementation of their National Tsunami Warning and Mitigation Systems, and the countries which are becoming new members of ICG/PTWS in their integration into the ICG/PTWS;
2. To request CEPREDENAC to support the development of CATAC in Nicaragua as interim Regional Tsunami Advisory Centre for all Central American countries;
3. To implement a regional communications and warning plan;
4. To facilitate Tsunami Hazard and Risk studies in the Central American Region.

The Group will be composed of members from Member States Nicaragua, El Salvador, Guatemala, Costa Rica, Honduras, Mexico and Panama, with a Chair and a Vice-Chair to be elected.

Terms of Reference

Working Group for the South East Pacific Region

1. To identify current gaps on the warning and mitigation capabilities of countries in the South East Pacific Region based upon the lessons learned from the last tsunami events. Understand and prioritize the new requirements from countries in the Southeast Pacific Region for the tsunami warning and mitigation services, and group them under the three central pillars of the Medium Term Strategy 2009-2013;
2. To organize the working plan and structure of the South East Pacific Region taking into account the three central pillars of the Medium Term Strategy 2009–2013;
3. To promote and facilitate tsunami hazard and risk studies in the region, through the active participation of appropriate national delegates from Member States, in the Working Group 1: Tsunami Risk Assessment and Reduction;
4. To facilitate cooperation in the establishment and upgrading of seismic and sea level stations and networks and communication systems in the region, and their interoperability in accordance with ICG/PTWS requirements, through the active participation of appropriate national delegates from Member States, in the Working Group 2: Tsunami Detection, Warning and Dissemination;

5. To improve the education programs with a regional criteria based on the regional social, cultural and economic reality, through the active participation of appropriate national delegates from Member States, in the Working Group 3 Disaster Management and Preparedness;
6. To facilitate capacity building and the sharing of tsunami information in the region, including the free and open exchange of data;
7. To promote and facilitate the creation of in-region trainers in order to meet the regional needs of training.

The Group will be composed of representatives nominated by the Member States of Colombia, Ecuador, Peru and Chile, with a Chair from each country rotating every 2 years.

Terms of Reference

Working Group for the South West Pacific Region

1. To continually review and evaluate capabilities of and make recommendations for improvements to countries in the Southwest Pacific (SWP) Region for providing end-to-end tsunami warning and mitigation services;
2. To support the involvement and contribution of SWP countries in the activities of the ICG/PTWS;
3. To promote and facilitate the tsunami hazard and risk studies in the SWP region;
4. To facilitate cooperation in the establishment and upgrading of seismic and sea level stations and networks in the region, and the interoperability of these systems in accordance with ICG/PTWS requirements;
5. To facilitate training and capacity building in the end to end tsunami warning and mitigation system in the region;
6. To encourage the sharing of tsunami information in the region, including but not limited to the free and open exchange of data, and
7. To facilitate tsunami awareness in school curricula, and development and dissemination of public educational materials;
8. To work in cooperation with PTWS Working Group 3, especially on activities which strengthen country capacity in tsunami emergency response.

The Group to be comprised of representatives from Member States and territories of the Secretariat of the Pacific Community (SPC) as members and observers with Chair and Vice Chair to be elected by the members of the Working Group and endorsed by the ICG/PTWS.

Terms of Reference

Working Group for the South China Sea Region

1. To evaluate capabilities of countries in the South China Sea Region for providing end-to-end tsunami warning and mitigation services;
2. To ascertain requirements from countries in the South China Sea Region for the tsunami warning and mitigation services;
3. To promote and facilitate tsunami hazard and risk studies in the region;
4. To facilitate cooperation in the establishment and upgrading of seismic and sea level stations and networks and communication systems in the region;
5. To facilitate improvement of the education programs on tsunami mitigation in the region;
6. To facilitate capacity building and the sharing of tsunami information in the region, including the free and open exchange of data.

The Group will be composed of members nominated by Member States Brunei, Cambodia, China, Indonesia, Malaysia, Philippines, Singapore, Thailand, Vietnam and invited experts with a Chair and Vice-Chair to be elected.

Terms of Reference

**South China Sea Sub-Regional WG Task Team
on Establishment of a SCS Tsunami Advisory Center**

1. Develop capability guidelines and performance indicators for the SCSTAC;
2. Explore ways for facilitating the sharing and exchange of data and relevant information necessary for the establishment of the SCSTAC;
3. Consult with National Tsunami Warning Focal Points of the SCS region to determine appropriate requirements for Tsunami service/products;
4. Develop the SOP and the contents of tsunami advisory products for the SCSTAC;
5. Identify potential resource requirements for the establishment of the SCSTAC;
6. Keep contact with PTWC and NWPTAC (JMA) for technical guidance and assistance.
7. Membership:

Representatives of Member States of the ICG/PTWS WG-SCS (Brunei Darussalam, China, Cambodia, Indonesia, Malaysia, the Philippines, Singapore, Thailand and Vietnam) and invited experts; representatives of PTWC and NWPTAC (JMA); with chairperson and vice chairperson to be elected.

Terms of Reference

Steering Committee

1. The Steering Committee shall act in an advisory capacity to the Chair of the ICG/PTWS during the inter-sessional period;
2. The Steering Committee shall coordinate and integrate the work of ICG/PTWS in the inter-sessional periods, as implemented through the various technical and regional working groups and task teams, including but not limited to:
 - Maintain the PTWS Medium Term Strategic Plan.
 - Monitor, maintain and update the PTWS Implementation Plan.
 - Develop a Strategy for funding PTWS activities.
 - Monitor the performance of the PTWS.
3. The Steering Group will be composed of the ICG/PTWS Officers (Chair and three Vice-Chairs), Chairs of the Technical and Regional Working Groups, Directors of PTWC, NWPTAC and ITIC or their representatives, other members' representatives by invitation of the Chair.

Terms of Reference

Task Team on Future Goals and Performance Monitoring

1. Through consultation with relevant stakeholders, develop goals and targets for the ICG/PTWS for the next two inter-sessional periods.
2. Develop a list of priority activities and resources requirements to help address the identified goals.
3. Develop metrics for monitoring the performance of the ICG/PTWS TSPs, NTCs, overall national and PTWS risk and hazard assessment activities, warning system components, community awareness and preparedness related activities, to measure the status against requirements and assist with obtaining resources for continued improvement
4. Develop an outline for the PTWS Status Report.
5. Review and revise National Report template for Member States in order to collect required information and determine performance metrics for the PTWS Status Report

Members consisting of the Working Group Chairs, a rep from ITIC and invited experts as observers as appropriate, reporting to the Steering Committee and chaired by ICG/PTWS Vice-Chairman Rick Bailey.

Terms of Reference

Task Team on Evacuation Planning and Mapping

1. Develop a new programme aimed at facilitating tsunami resilience through community preparedness, specifically through the preparation of tsunami evacuation maps and associated response plans for tsunami-vulnerable coastal communities. Programme globally applicable and utilizing standardized tools and methodologies where they exist.
2. Take advantage of existing resources, the new programme should link existing training workshops, such that modules cover
 - Evacuation Planning
 - Evacuation Map Development (inundation modelling and map creation)
 - Tsunami Warning & Emergency Response SOPs
 - Conducting Tsunami Exercises (including evacuation)
3. Compile and take into consideration best practices worldwide.
4. Conduct a Pilot(s) using 'real' communities to produce an evacuation map.
5. After each training delivery, develop feedback mechanisms that will adapt and lead to improvements in the next course delivery.
6. Produce an IOC Manual and Guide on Evacuation Plans, Maps, and Procedures

Membership to include experts in Warning, Modelling, Disaster Management, Community Preparedness, Education and Outreach, reporting to the Steering Committee and chaired by Ms Laura Kong (ITIC).

Recommendation ICG/PTWS-XXVI.2

Regional Tsunami Advisory Center for Central America (CATAC)

The Intergovernmental Coordination Group for the Pacific Tsunami Warning and Mitigation System (ICG/PTWS),

Recalling that the Intergovernmental Oceanographic Commission (IOC) adopted Resolution EC-XLI.6, for Member States around regional seas, as appropriate, actively promote the development, establishment and sustained operation of national and sub-regional Tsunami Warning and Mitigation Systems within the framework of the ICG/PTWS,

Remembering that the six countries of Central America and the Coordination Centre for the Prevention of Natural Disasters in Central America (CEPREDENAC) during a meeting held in Managua, Nicaragua on 3 September 2003 decided to start the process for a Regional Tsunami Warning System, and requested IOC/ITSU assistance for its development,