

ICG-PTWS XXXI



unesco

Intergovernmental
Oceanographic
Commission

PTWS Regional Working Group Pacific Islands Countries & Territories (WG – PICTs)

Progress Report & Meeting Decisions and Recommendations

INTERSESSIONAL PERIOD PROGRESS REPORT



unesco

Intergovernmental
Oceanographic
Commission

TERMS OF REFERENCE	PROGRESS REPORT
<p>1. To continually review and evaluate capabilities of, and evaluate capabilities of, and make recommendations for improvements to countries in the Pacific Islands and Territories (PICT) Region for providing end-to-end tsunami warning and mitigation services within the multi-hazard framework.</p>	<p>Exercise Pacific Wave 2024- PICT Exercise Development of the Minimum Competency Course National Tsunami Drills in Fiji, Tonga, Vanuatu, Solomon Islands Review and Update of Tsunami Warning SOP – Fiji, Tonga, Vanuatu, Solomon Islands</p>
<p>2. To support the involvement and contribution of PICT in the activities of the ICG/PTWS.</p>	<p>Continued Seismic Data Sharing to PTWC through ORSNET and anticipate to add new stations soon for improved observations</p>



INTERSESSIONAL PERIOD PROGRESS REPORT



unesco



TERMS OF REFERENCE	PROGRESS REPORT
3. To promote and facilitate the tsunami hazard and risk studies in the PICT region.	<ul style="list-style-type: none">• 2023- Hunga-Tonga Hunga Ha’apai Post Tsunami Inundation Report and papers published• 2023- Tsunami Hazard Assessment on Sigatoka, Fiji• May 2024- Expert Meeting on the New Hebrides, San Cristobal and New Brittan Trench• 2024 GEM Earthquake Hazard and Risk Modelling Training
4. To support the involvement and contribution of PICT in the activities of the ICG/PTWS.	<ul style="list-style-type: none">• Continued Seismic Data Sharing to PTWC through ORSNET• In December 2023, USGS installed a new BB station in Fiji “OI.FNUL” available through IRIS and ORSNET.• In December 2024, USGS VDAP installed a new station in Kadavu, Fiji.• Vanuatu, Fiji, Tonga currently developing their Tsunami generated by Volcano (TGV) via JICA Assistance (SATREPs)

INTERSESSIONAL PERIOD PROGRESS REPORT



unesco

Intergovernmental
Oceanographic
Commission

TERMS OF REFERENCE	PROGRESS REPORT
<p>5. To encourage the sharing of tsunami information, including but not limited to the free and open exchange of data.</p>	<ul style="list-style-type: none"> - ORSNET Agreement – signed by Fiji and PNG - Exercise Pacific Wave 24 - PICT WhatsApp Group and SLACK platform - SeisComP User Group Meetings
<p>6. To facilitate tsunami awareness in school curricula, and development and dissemination of public educational materials</p>	<ul style="list-style-type: none"> • In 2024, Fiji reviewed the National Schools DRR Policy and Handbook to include Tsunami hazard assessment and mitigation • WORLD TSUNAMI DAY 2023, 2024 – Tsunami Awareness Competition, Radio Programmes, National Drills, IEC materials • UNESCO/IOC Tsunami Ready Programmes – Fiji, RMI, FSM, Palau



INTERSESSIONAL PERIOD PROGRESS REPORT



TERMS OF REFERENCE

7. To facilitate training and capacity building in the end-to-end tsunami warning and mitigation system in the region.

8. To work in cooperation with PTWS Working Group 1, 2, & 3 and relevant task teams, especially on activities that strengthen country capacity in tsunami warning, risk mitigation & emergency response. Support the implementation of Tsunami priorities under the UN Decade.

PROGRESS REPORT

- 2024 ITP-Chile – Fiji, Solomon Islands, Samoa, Nauru
- SeisComp Training – Fiji, Tonga, PNG
- **International Institute of Seismology, Earthquake Engineering and Tsunami Disaster Mitigation – 2022 - 2023 (2 Fiji, 1 Vanuatu)**
- **UNESCO/IOC Tsunami Ready Recognition Programme – National Stakeholder Consultation conducted in Solomon Islands, Vanuatu**
- 2 Communities (RMI), 1 FSM, 1 Palau officially recognized UNESCO/IOC Tsunami Ready in 2024
- MS NTWC, NDMO, NGOs currently enrolled on OTGA Tsunami Awareness and Tsunami Ready Course (Self-paced) as Prerequisite for the Minimum Competency Training Course (MCTC)

- Development of Tsunami Generated by Volcano SOP via SATREP Project
- Expert Meeting on New Hebrides Trench
- In collaboration with **WG-3** - PTWS Task Team Tsunami Ready Online Meeting 12th July 2024. (Tsunami Ready Implementation Survey – seek approval from Next ICG/PTWS and roll out April 2025.

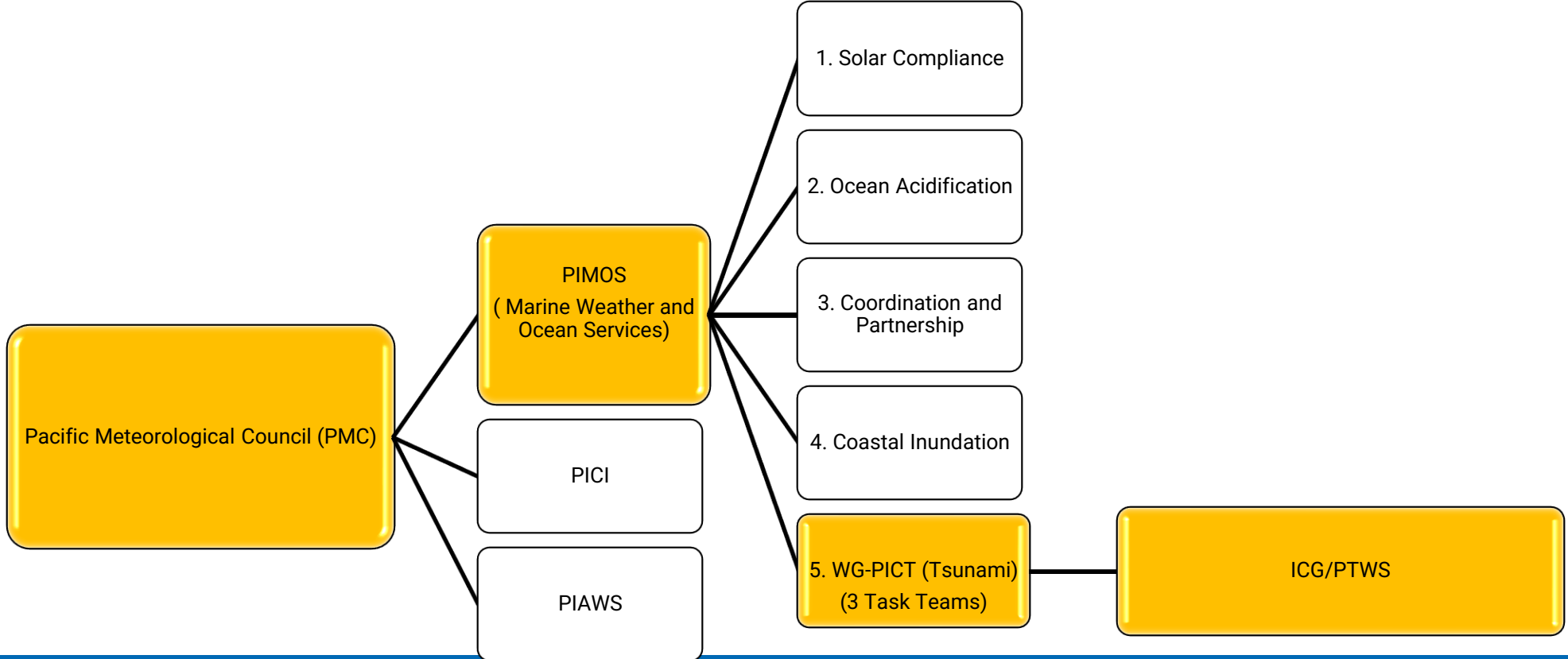
INTERSESSIONAL PERIOD PROGRESS REPORT



unesco

Intergovernmental
Oceanographic
Commission

- WG-PICT and its current TOR have been **ENDORSED** as the 5th Task Team under the PIMOS Panel of the Pacific Meteorological Council (PMC) at the 7th Meeting of PMC in Port Villa, Vanuatu (17th- 19th September 2024).



Meeting Decisions & Recommendations to ICG/PTWS



unesco

Intergovernmental
Oceanographic
Commission

ENDORSE, another term for the PICT Regional Working Group with its TOR, Task Teams and recommendations

ENDORSE, Mr Mathew Moihoi – PNG (Chair), Ms Mele Manu – Tonga (Vice Chair)

ENDORSE, another term of the Task Team Seismic Data Sharing in the Southwest Pacific With its TOR and recommendations

ENDORSE, re-election of Mr Rennie Vaiomounga- Tonga (Chair), Mathew Moihoi – PNG (Vice Chair)

Meeting Decisions & Recommendations to ICG/PTWS



unesco

Intergovernmental
Oceanographic
Commission

ENDORSE, another term for the Task Team Information Sharing Platform TOR, Task Teams and recommendations

ENDORSE, re-election of Mr Anthony Jamelot (Co-Chair), Mr Jonathan Tafiariki– Solomon Islands (Co-Chair)

ENDORSE, another term of the Task Team Capacity Development with its TOR and recommendations

ENDORSE, election of Mr Laitia Fifita (Co-Chair), Dr Laura Kong – ITIC (Co-Chair)

Meeting Recommendations



unesco

Intergovernmental
Oceanographic
Commission

RECOGNIZE, that WG-PICT will be aligned to advise the Regional Geohazards Body with current WG-PICT TOR and Membership and inform the Regional Geohazards Body Concept Note. The Regional Geohazards Body will advise two subsidiary bodies of the Pacific Leaders Forum i.e. Pacific Disaster and Emergency Managers Meeting and Pacific Meteorological Council Meeting.

RECOGNIZE, WG-PICT as a Task Team of the Pacific Meteorological Council (PMC) Panel on Marine and Ocean Services.

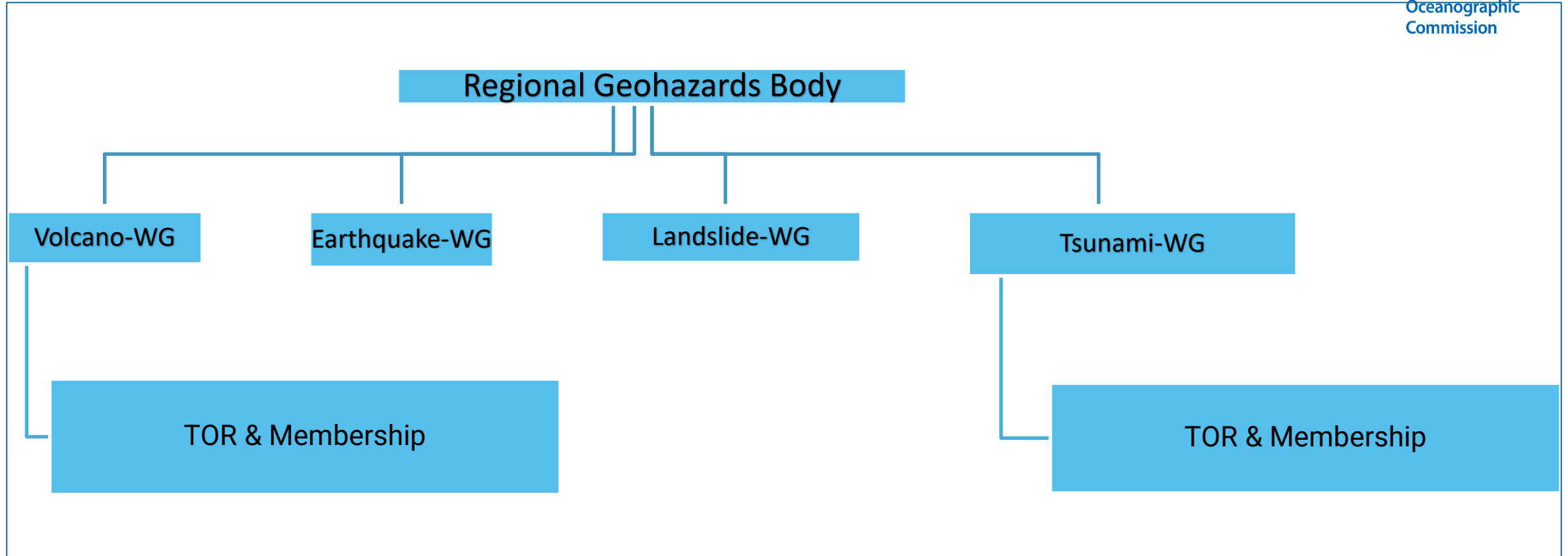
ENCOURAGE, Member States to identify gaps and needs on Tsunami Hazard and Risk Assessment and the need to review and update National Warning and Response SOPs and National Tsunami Response Plans.

Regional Geohazards Body Governance Structure



unesco

Intergovernmental
Oceanographic
Commission



Meeting Recommendations

ECHO: the 7th Meeting of WG-PICT recommendation for Tsunami Ready Guideline developed for Schools and the lessons learnt From Fiji Tsunami Ready Implementation Team on the need the development of a Tsunami Ready Guidelines schools.

ADVICE, XXXI - ICG/PTWS to CONSIDER the development of a Guideline for the official recognition of schools to be UNESCO/IOC Tsunami Ready.

CONSIDER, review of the definition of community in consideration of schools in Manuals and Guides 74.

ENCOURAGE, WG-PICT Task Team Capacity Development to **DEVELOP** a Tsunami Ready Guideline for Schools in collaboration with ITIC and WG 3 Task Team on Tsunami Ready.

Recommendations – TOR (4)



unesco

Intergovernmental
Oceanographic
Commission

- **ENCOURAGED**, ORSNET Members to seek more staff from central government and also project staff (e.g. IT Technician) from development partners.
- Member States to **STRENGTHEN** Infrastructure & maintenance & Upgrade services - ORSNET countries to collaborate with members and bilateral/multilateral partners
- Member States to **ACQUIRE**, additional SeisComP products
- **Encourage**, ORSNET Members to join the SeisComP User Group
- Member States **Training & capacity development** – to focus Volcano waveform analysis, SeisComP Basic and Advanced Training, Station Maintenance.

Recommendations – TOR (4,5)



unesco

Intergovernmental
Oceanographic
Commission

ENDORSED, the latest version of the Portable Station SOP until additional amendment is required

ENCOURAGED, members to expedite the signing of the ORSNET Agreement following national guidelines. Samoa , Solomon Islands, Tonga, Vanuatu- **3 months deadline.**

AGREED, on the development of Regional Geohazards Strategy to be informed by Draft ORSNET Strategy and Concept Note.

AGREED on the submission of Concept Note for Regional Geohazards Body and Strategy to the Pacific Disasters Managers Meeting and Pacific Meteorological Council (PMC) - Alignment to PMC (Pacific Islands Aviation Weather Services Panel)

ENCOURAGE, IRD to fill Mr Pierre Lebellegard – Seismologist position

Recommendations (TOR 1,3,6,7, 8)



unesco

Intergovernmental
Oceanographic
Commission

ENCOURAGE, Member States NTWC, NDMO, National Geohazards Agency and relevant agencies to take OTGA Tsunami Awareness and Tsunami Ready Course (Self-paced) as a prerequisite for the Minimum Competency Training Course (MCTC)

ENCOURAGE, the **TRANSLATION** of OTGA Tsunami Awareness and Tsunami Ready Course (Self-paced) as a prerequisite for the Minimum Competency Training Course (MCTC) into French/Spanish.

ENCOURAGE, Member States to send UNESCO/IOC Letters of Intent to implement UNESCO/IOC Tsunami Ready Recognition Programme and increase number of communities recognized UNESCO/IOC Tsunami Ready towards 100% tsunami-at risk communities.

ENCOURAGE, Member States to review and update PTWS guideline for National Tsunami Warning Centers in responding to local Tsunami to ensure consideration of non-seismic and complex sources for warning operations

ENCOURAGE, Member States to establish and submit National Tsunami Ready Board Application to ICG/PTWS Secretariat **by end of 2025**.

ENCOURAGE, Member States to fill and Submit Capacity Assessment Survey by **3rd March, 2025**.

Recommendations – TOR (1,2,5)



unesco

Intergovernmental
Oceanographic
Commission

- **CONTINUE** to conduct and support the next regional PICT PacWave exercise.
- **RECOMMEND** in person tabletop exercise between WG-PICT members at their convenience with the support of TT ISP.
- **AGREE** and **SUPPORT** a monthly regional HF radio test communication between PICT with the collaboration of the WFP/ECT
- **RECOMMEND** members to maintain VHF/HF radio communication redundancy to support national emergency
- **ENCOURAGE** communication technology such as satellite link to support national emergency and recommend PICT members to acquire such equipment.
- **ENHANCED** information sharing guidelines through all tested communication lines;
- **ENHANCED** and **PROMOTE** the regional information sharing platform (currently SLACK)
- **ASK** the **TSP PTWC** to add an event identifier in the email subject of PTWC bulletins in case of multiple tsunami event in a short time.
- **ENDORSE** a new term for the task team information sharing platform and the updated term of references.

RECCOMENDATION (4)



unesco

Intergovernmental
Oceanographic
Commission

- **Encourage**, PICTs Member States to join the initiative on the integration of PTWS Sensor Network – GNSS and the Pacific Islands –Global Ocean Observation System (PI-GOOS)

Terms of Reference



unesco

Intergovernmental
Oceanographic
Commission

- (i) To continually review and evaluate capabilities of, and evaluate capabilities of, and make recommendations for improvements to countries in the Pacific Islands and Territories (PICT) Region for providing end-to-end tsunami warning and mitigation services within the multi-hazard framework.
- (ii) To support the involvement and contribution of PICT in the activities of the ICG/PTWS.
- (iii) To promote and facilitate the tsunami hazard and risk studies in the PICT region.
- (iv) To facilitate cooperation in the establishment and upgrading of earthquake and tsunami monitoring networks in the region and the interoperability of these systems in accordance with ICG/PTWS requirements.
- (v) To encourage the sharing of tsunami information, including but not limited to the free and open exchange of data.
- (vi) To facilitate tsunami awareness in school curricula, and development and dissemination of public educational materials
- (vii) To facilitate training and capacity building in the end-to-end tsunami warning and mitigation system in the region.
- (viii) To work in cooperation with PTWS Working Group 1, 2, & 3 and relevant task teams, especially on activities that strengthen country capacity in tsunami warning, risk mitigation & emergency response. Support the implementation of Tsunami priorities under the UN Decade.

Membership



unesco

Intergovernmental
Oceanographic
Commission

Members composed of representatives from Pacific Island Countries and Territories (PICTs) and Observers from Council of Regional Organizations in the Pacific (CROP) Agencies, and WMO, and other relevant agencies upon invitation.

Thank you for your attention!



unesco

Intergovernmental
Oceanographic
Commission