

ICG/PTWS STEERING COMMITTEE

First Meeting

Guayaquil, Oct 8 – 10, 2008
INOCAR, Guayaquil, Ecuador

FINAL REPORT

1. WELCOME AND OPENING OF THE 1st MEETING

The Chairman, Giorgio De La Torre opened the meeting at 9:30 AM. He introduced the Director of INOCAR, Commander Galo Garzon who welcomed the Steering Committee to Guayaquil, Ecuador. Yohei Hasegawa, Vice-Chair ICG/PTWS expressed his congratulations to Giorgio De La Torre for taking over the Chairmanship, expressed appreciation to INOCAR for hosting the meeting and the secretariat for preparing the meeting. The list of participants is in Annex 1.

2. ORGANIZATION OF THE SESSION

2.1 ADOPTION OF AGENDA

The Chairman introduced the Agenda and asked for modifications or changes; Mr Stephenson suggested that under item 6 *Other Business* the meeting discuss communications with Member States, Officers and the Secretariat. With this change the Steering Committee adopted Agenda as in Annex 2.

2.2 CONDUCT OF THE SESSION, TIMETABLE AND DOCUMENTATION

The Technical Secretary for ICG/PTWS Peter Koltermann summarized the IOC Rules and Procedures for this meeting, recalled Recommendation ICG/PTWS XXII.6 that established the Steering Committee and made comments on the TOWS WG recommendations.

The Technical Secretary introduced the documentation and referred to a new phase for ICG/PTWS with this new Steering Committee. All documents for this meeting are available on the PTWS website:

http://www.ioc-unesco.org/index.php?option=com_oe&task=viewEventDocs&eventID=367

The Past Chairman Mr Fred Stephenson referred to continuity as a concept that should guide this new phase of the ICG/PTWS. In this respect the Chairman asked comments from the Technical Secretary with respect to the previous working methods that were mainly based on the role of the Officers. Mr Koltermann commented that the Steering Committee can invite experts and others to participate in the meetings and bearing in mind this option the meeting is attended by ITIC Director, Laura Kong, and the Past Chairman, who also provides continuity. In the future the Steering Committee

may decide to invite on a permanent basis some of the attendees including representatives of the regional warning centers. Director ITIC asked if there is a need for a new resolution or recommendation to abolish the previous structures. Mr Koltermann indicated that the establishment of the Steering Committee supersedes previous governance structures and there is no need for a formal abolishment of previous governance structures. The Chairman invited the Members of the Steering Committee to reflect on this and discuss the options under item 4.1.

2.3 LOCAL ARRANGEMENTS

The Chairman reviewed local arrangements for the meeting, including transportation from and to the hotel, leaving from the hotel at 8:30 in the morning. Coffee breaks will be available twice a day offered by INOCAR. Lunch will be available at the Officers Club in the Navy Southern Base.

3. REVIEW OF STATUS OF PRIORITISED ACTION ITEMS

3.1. PTWS MEDIUM TERM STRATEGY

The Chairman introduced this item. He recalled that there have been several attempts to produce a Strategic Plan for the ICG/PTWS without being able to complete this work and deliver a plan. He reminded that at ICG/PTWS XXI the Group decided through Recommendation ICG/PTWS XXI.1 *"to continue the inter-sessional working group for the development of a Medium Term strategy for the Pacific Tsunami Warning and Mitigation System, established by Resolution ITSU-XX.2."* At ICG/PTWS XXII the Chairman of the inter-sessional working group, Mr Stephenson recalled that the PTWS Medium-Term Strategy should build upon the ITSU Master Plan to identify short-to-medium term (5 years) priorities and strategies to enhance ICG/PTWS. ICG/PTWS XXII, through Recommendation XXII.6 entrusted the Steering Committee to *"develop a Medium Term Strategy including performance measures"*.

Mr Stephenson recalled that the former chair of the working group was the previous Chair. He prepared a Draft Document for ICG/PTWS XXII that is available for this meeting. He commented that the structure is similar to the ITSU Master Plan with sections for Hazard Assessment, Warning, Data, Communications, Preparedness, Interoperability and Governance. He suggested that the Steering Committee decide on the way forward for the Medium Term Strategy.

The ITIC Director recalled that a PTWS XXII sessional Working Group led by the Former PTWS Chair Mr. Francois Schindele and consisting of Australia, USA, ITIC Director, and PTWC Director, convened and reported back through document PTWS-XXII/6.1 on the development to date and presented a draft outline that is comprised of the PTWS vision, goals, objectives, strategy, measures, time frame, outcome and products.

The Chairman indicated that strategic plans start by defining strategic objectives for a given planning period. Mr Stephenson reported that the document available (ICG/PTWS, Draft Medium Term Strategy 2008-2013) does proceed through a thematically arranged introduction of items needed for the ICG/PTWS to function.

The Technical Secretary reported that in the three other ICGs there is only an Implementation Plan that includes a definition of objectives and tasks to complete the establishment and operation of the TWS components. He suggested that the Steering Committee organize itself in three steps for this task:

- Finalize the ITSU Master Plan (suggested Director ITIC and Past Chairman) for printing as an overview document of the ICG/ITSU
- Update the Draft Medium Term Strategy (2009-2014) for ICG/PTWS XXIII
- Produce a draft Implementation Plan

The Chairman suggested that the Steering Committee review the available documents and define the Strategic Objectives for ICG/PTWS that will introduce all the guiding PTWS documents.

The Chairman asked if the regional centers have Medium Term Plans. PTWC Director reported that PTWC does have a Strategic Plan and JMA Mr Hasegawa informed that JMA does have short term (1-2 years) planning in general and he would check what could be the input to the Medium Term Strategy.

Director PTWC, Dr. Charles McCreery noted the challenges of constructing an Implementation Plan in the absence of any funding for implementation and that a funding strategy is needed.

The Steering Committee agreed to finalize the ITSU Master Plan with a time reference for publication before ICG/PTWS XXIII. Director ITIC and Mr Stephenson volunteered to revise the document as necessary and deliver a final version before end 2008 for final publication.

The Steering Committee further agreed to develop a draft Medium Term Strategy 2009-2014, based on the draft Medium Term Strategy 2008-2013 presented by Mr Stephenson and the structure produced at ICG/PTWS XXII by the sessional group lead by François Schindele. PTWC, NWPTAC and WCATWC were requested to produce a list of desirable 5-year objectives by mid-October as additional input for the strategy. A task team composed of the Chairman, Vice-Chairman and Past Chairman will produce a first draft for review by the Steering Committee in the first week of November 2008.

3.2. PTWS IMPLEMENTATION PLAN

The Technical Secretary introduced the documentation. He summarized the progress made in the other TWSs using this document, its general objectives and the context it is

used in. The Group commented that the Medium Term Strategy should feed the basic definitions of the Implementation Plan.

Mr Hasegawa expressed that financial mechanisms are an essential issue when the Group builds the Implementation Plan as well as the Medium Term Strategy. He mentioned that so far PTWC and JMA have been able to afford providing voluntary services for PTWS, but in the new phase with increased demands to establish sub regional systems (for example South West Pacific) which require solid budgetary basis, it would be necessary to consider how and what ICG/PTWS could or should support them.

The Steering Committee agreed that based on the Draft Medium Term Strategy and the PTWS Users Guide, the ICG/PTWS Secretariat shall produce a first draft ICG/PTWS Implementation Plan by the end of November for review by the Steering Committee and then submit to ICG/PTWS XXIII.

3.3. PTWS USERS GUIDE (RECOMMENDATION XXII.3)

The Technical Secretary introduced the document and reviewed the progress in view of the Recommendation.

He described that the document made available to the PTWS Secretariat for the first time at PTWSXXII showed many inconsistencies and unclear descriptions. After intense internal discussions at the IOC Secretariat it was sent to the Warning Centres for further editing and consolidation. NWPTAC/JMA provided a revised version in May 2008, edits from WCATWC came in October, and PTWC edits, according to its Director, will be delivered this month. Only then can the detailed procedure prescribed in PTWSXXII/2.6. be started which calls for review by the TWCs, member states and final editorial work.

The Steering Committee agreed to finalize the PTWS Users Guide by mid November for final distribution and publication by the Secretariat. Director PTWC was tasked with the role of finalizing the document. The Steering Committee further agreed that updates to the PTWS Users Guide should be made at least annually, and that those updates should be made available through the IOC tsunami website.

3.4. ITIC WORK PLAN

The Technical Secretary introduced the documentation. He recalled that the ICG/PTWS SC is tasked to *"develop an ITIC work plan that focuses on the priorities of the Medium-Term Strategy"*. He recalled that following the offer of the Government of the United States, the IOC Executive Council tasked the Executive Secretary to establish ITIC as a Programme Office, following its establishment of ITIC as an international body through the Resolution of ITSU in 1965. Due to different legal and administrative problems this was not possible. After due consideration of options for administrative arrangements for ITIC in the framework of UNESCO and USA legal frameworks, both

US NOAA (hosting ITIC) and UNESCO have decided to establish a Memorandum of Understanding and an Implementation Partnership Agreement (IPA) on ITIC. The IPA includes an Annex that contains a Work Plan. He then detailed the status and objectives of the draft Implementation Partnership Agreement (IPA) between the USA and the IOC. The Steering Committee is invited to consider the draft ITIC Work plan proposed as annex to the first IPA to be signed, and advise on the future development of this document in view of the development of a PTWS Medium Term Strategy.

A discussion ensued on the respective roles for UNESCO, the ICG/PTWS and the Steering Committee with respect to decisions related to the Work Plan for ITIC. It is clear from Recommendation ICG/PTWS XXII.6 that this is in the remit of the Steering Committee to develop an ITIC Work Plan for PTWS focused on the priorities of the Medium Term Strategy.

The ITIC Director distributed ITIC's packet of tsunami awareness materials to each SC member, and called attention to 2008 updates of the Tsunami The Great Waves, Tsunami Glossary, and Tsunami Travel Time Calculation Software, and two new video compilations of Tsunami Drills.

The Steering Committee agreed with the present priorities for PTWS included in the ITIC Work Plan attached to the draft Implementation Partnership Agreement UNESCO-NOAA.

3.5. ESTABLISHMENT OF WORKING GROUPS

The Chairman introduced this item and recalled that Recommendation XXII.6 delegates to the Steering Committee the faculty of "*evaluate the need for provisional intersessional Working Groups as required in the following areas:*

- a. Monitoring*
- b. Assessment*
- c. Interoperability*
- d. Awareness*
- e. Regional*

ICG/PTWS XXII defined seven Working Groups:

- a) Working Group One: Sea-Level Measurement, Data Collection and Exchange
- b) Working Group Two: Interoperability of regional, sub-regional and national tsunami warning systems in the Pacific
- c) Working Group Three: Pacific Emergency Communications and Technologies
- d) Working Group Four: Rapid Near-field Recognition of Tsunamigenic Earthquakes and Associated Tsunamis
- e) Working Group Five: South West Pacific Region
- f) Working Group Six: Central American Pacific Coast

g) Working Group Seven: South East Pacific Region

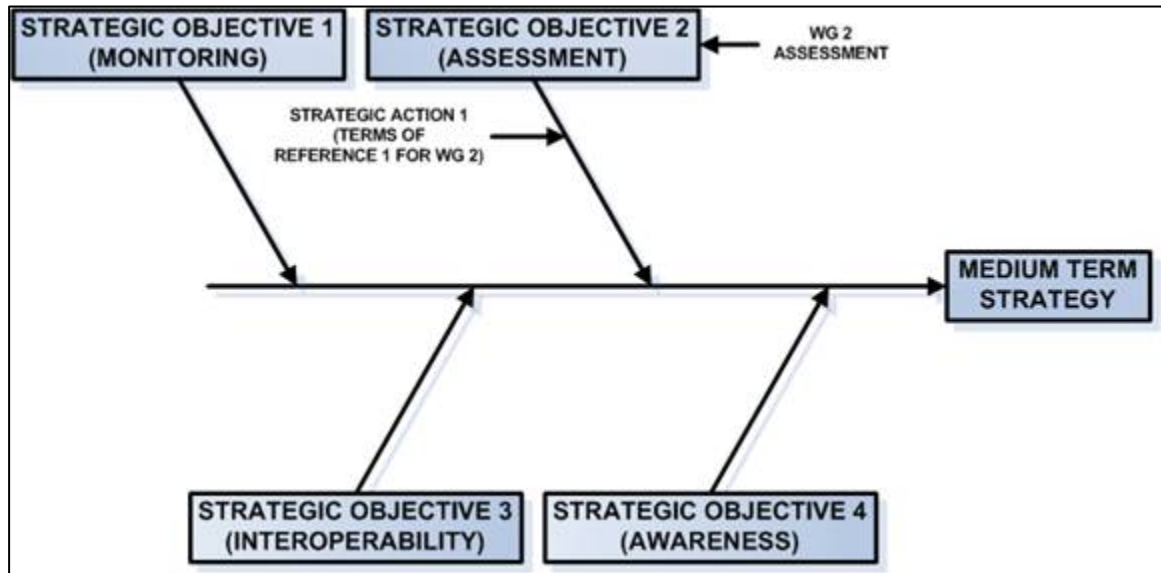
The Chairman invited comments on the role of the Medium Term Strategy in relation to Working Groups setting. Dr. Ken Gledhill (Chair Working Group Five: South West Pacific Region) pointed out that the generic requirement in Recommendation XXII.6 is not connected with the establishment of 7 Working Groups and one Task team at ICG/PTWS XXII. The question then arising is what is the logic that should be applied? Does the Steering Committee analyze the possibility of streamlining these Working Groups now or later? The Technical Secretary suggested that in general Working Groups should have terms-of-references that last at least 5 years, for review at each ICG meeting. Director ITIC asked if there are Medium Term Strategies in the other ICGs that do guide the establishment of Working Groups. The Technical Secretary replied that Working Groups follow the IOC Rules and Procedures; Strategic Plans are part of how the IOC bodies organize their work on longer time scales as they see appropriate.

Chairman suggested that when drafting the Medium Term Strategy the thematic structure of objectives to achieve may follow the approach of the general structure provided above (Monitoring, Assessment, Interoperability, and Awareness). The definition of Working Groups should then follow that structure of objectives and this will give them the required stability. The Steering Committee should follow up the work of Working Groups that do report to the ICG.

The group discussed about the two layers implicit structure proposed through Recommendation XXII.6 with themes (in four of them) and regions. One option would be to assume that regional specificities (for implementation) could be lead through Task Teams. The Technical Secretary suggested the Steering Committee submit a position paper to ICG/PTWS XXIII.

The SC identified the importance of building regional “alliances” for improving regional stakeholder' ownership. The ITIC Director emphasized the importance, based on her experience, of regional foci in order to foster ownership and identify champions for leading the activities. Dr. Rick Bailey (Chair Working Group One: Sea-Level Measurement, Data Collection and Exchange, not attending the meeting) in his written remarks had indicated the regional WGs as a mechanism to ensure closer coordination and sharing of expertise, and noted that it is not always possible for Member States to attend ICG meetings due to cost whereas meetings within the region are more possible. Director PTWC commented on the eventual difficulties of having within a monitoring Working Group a Member State representative who is both a sea level and seismic monitoring expert. Mr Gledhill suggested this could be solved through task teams within Working Groups as needed. It was agreed that Member States might choose to volunteer more than one expert to a Working Group when that Working Group was multidisciplinary. The ITIC Director noted that a key missing working group topic was Warning Dissemination and Public Alert, and suggested that the Medium Term Strategy consider the inclusion.

Chairman proposed a backbone for Medium Term Strategy linked to the definition of the Working Groups as follows:



The Steering Committee decided to submit a position paper on the PTWS Working Group Structure to PTWS XXIII. Ken Gledhill and Yohei Hasegawa will submit a draft to the Steering Committee by end November.

3.6. PRIORITISED CALENDAR OF ACTIVITIES TOWARDS PTWS XXIII

The Chairman introduced this item. He recalled that bearing in mind the limited time ahead of ICG/PTWS XXIII, and in view of the considerable delay the Group has incurred, the Group should focus and decide upon a reduced number of key activities to be accomplished in order to produce deliverables for ICG/PTWS XXIII.

The Technical Secretary informed the Steering Committee on the relevant activities planned for the Tsunami Unit October-December 2008:

- Regional Symposium on Tsunamis. Puerto La Cruz, VENEZUELA, 20–21 October 2008.
- DEM Development and Tsunami Inundation Maps Training Workshop. Hyderabad, INDIA, 27 October-7 November 2008.
- Fifth session of the ICG/NEAMTWS. Athens, GREECE, 2-5 November 2008.
- International Conference on Tsunami Warning (ICTW) Bali, INDONESIA. 11-14 November 2008. Held on the occasion of the Inauguration of the Indonesia Tsunami Early Warning System.
- ICG/Caribe-EWS Working Groups and Officers Meeting. Guadeloupe, FRANCE, 8-10 December 2008.

ITIC Director reported on the next commitments for ITIC in the PTWS area of responsibility including country missions to Philippines (first started in August) and

Vietnam to be scheduled before end of 2008. She also reported on a yet to be defined date for the next session of the ITSU Training Programme in Hawaii (ITP-Hawaii).

The Steering Committee decided that there will not be face to face meetings of Working Groups before ICG/PTWS XXIII due to the short time available for them to meet after being established. All work should be advanced through email exchange. The deadline for MS to nominate experts for these Working Groups is 30 October 2008.

3.7. PACIFIC WAVE EXERCISE 08

The Chairman of the Task Team, Charles McCreery (also Chair Working Group Two: Interoperability of regional, sub-regional and national tsunami warning systems in the Pacific) introduced this item. He reported on the arrangements for the Exercise. He noted that the chosen scenario does not have huge impact on some countries, most notably Australia, New Zealand and South China Sea surrounding countries. He suggested that Member States could consider modifying the scenario as needed, even modifying the messages, in order to exercise their national systems in a different situation. He indicated that the PacWave08 Manual includes an annex for reporting national results of the exercise. Technical Secretary reported that the Secretariat is compiling the list of PACWAVE 08 Focal Points for distribution to PTWC and JMA.

ITIC Director reminded that according to the PacWave08 Manual a Press Release should have being issued by UNESCO/IOC and has not yet been posted. She also reported that ITIC, in support of PacWave08, has updated its Media Resources web page (http://ioc3.unesco.org/itic/categories.php?category_no=150). Working in collaboration with the NOAA Office of Communications in Hawaii, the page contains materials of interest to the media, such as fact sheets, visuals, event histories, safety and preparedness information, and press releases.

Yohei Hasegawa asked if IOC had specific date of Press Release. Bernardo Aliaga (Tsunami Unit, Technical Secretary ICG/CARIBE EWS) answered it would be informed to SC and Member States after internal confirmation in IOC.

Chairman asked Director PTWC if the messages related to PacWave08 will be posted to the website? Director PTWC responded that the simulated messages are only in the Exercise Manual and that short dummy messages referring to the simulated messages will be disseminated during the exercise through normal means (e.g., GTS, AFTN, email, facsimile), but not posted to the PTWC website.

The Steering Committee took note of the report of activities and actions for PACWAVE 08.

4.- STREAMLINING PTWS FOLLOWING TOWS RECOMMENDATIONS

4.1. GOVERNANCE MODEL OF PTWS

The Technical Secretary made reference to Recommendation IOC/EC XLI.6 that inter alia requests *"the ICG Chairpersons to work with the Member States and the TOWS Working Group towards developing harmonized working group structures that map easily across ICG and provide a foundation for inter-operability and further requests the ICGs and other subsidiary bodies identified in the TOWS report to consider carefully the report recommendations and respond, as appropriate, at the next meeting of the TOWS-WG"*.

He then summarized the main recommendations from the TOWS Working Groups that among others included:

- The international coordination of the sea level observation system dedicated to the risks should be entrusted to GLOSS, under the joint responsibility of IGOOS for planning and JCOMM for the implementation. This may force re-examination of the GLOSS mandate, but it is imperative to have an integrated approach of all observations of the sea level.
- The IOC shall, with the appropriate international partners, work to define the relevant seismic observation network for tsunami warning which could then be incorporated into existing global seismic networks. Relevant arrangements with CTBTO are in place. This task appears explicitly in the 2007-2009 work programme of GEOSS (DI-06-02), which provides the framework of this action by associating the various communities in charge of the problem, in particular IGOS-P.
- The IOC/WMO JCOMM and IOC's tsunami programme will initiate comparison of the standards for operation and standard operational procedures used in the information and warning systems that they coordinate. This must lead to the identification of the attributes for effective warning and mitigation systems and to recommendations on the requirements for interoperability among warning centres in the regions and across regions. This should include areas of responsibility covered by the existing centres and address roles and responsibilities in areas with inadequate services. The WMO Disaster Risk Reduction Programme and the ISDR will be associated with this process. One initial action shall be to define a common vocabulary/glossary related to the warning systems.

The Chairman summarized deliverables agreed during this meeting and indicated that following the TOWS report requirements ICG/PTWS will be reporting to the next TOWS meeting based on the achievements of PTWS XXIII, including the planning instruments (Medium Term Strategy, Implementation Plan) and the operational documents and structure (Users Guide, Working Group Structure).

The Steering Committee agreed that the TOWS Report should be used in the development of the Medium Term Strategy as needed.

4.2. SUBREGIONAL STRUCTURE

The Chairman summarized discussions held under item 3.5 on the present and future regional structure. According to preliminary views expressed by members of the Steering Committee regional specificities (for implementation) could be lead through Task Teams and these mechanisms will help needed communication. Dr Alejandro Rodriguez (Chair Working Group Six: Central American Pacific Coast) expressed that funding is an issue to get neighbour countries communicating as face to face meetings are expensive. Chairman expressed that the real need for regional structures is to identify the communication and technical gaps. This should be covered as part of the strategic objectives (i.e. "support regional cooperation") and then this strategic objective may be dealt with through regional structures as Task Teams. The regionalization helps the Member States to define identity, get ownership and work together towards common threats in some cases through common solutions. It was also suggested that combining the work of regional groups with the existing regional intergovernmental organizations (i.e. CPPS, SOPAC, and CEPREDENAC) is useful to advance the objectives of PTWS.

The Steering Committee agreed that regionalization is a mechanism to improve the regional stakeholder ownership and advance the system, with the specific structure (Working Group or Task Team) yet to be defined. The Steering Committee will ensure that when developing the Medium Term Strategy this is taken into consideration.

4.3. COOPERATION WITH UN AND NON UN BODIES

The Chairman invited comments on the cooperation with UN and non UN regional bodies, their respective mandates and review how these bodies could be involved better in view of the PTWS objectives. He reported on the cooperation with the Permanent Commission for South East Pacific (CPPS) in the framework of the Working Group on South East Pacific. He commented that this cooperation has been very useful for advancing work for its Member States (Colombia, Chile, Ecuador, and Peru). He requested comments on future cooperation with CPPS having in mind the more general issue of cooperation with UN and non UN bodies. The Technical Secretary recalled that using the mechanisms provided by the IOC Rules of Procedures (i.e. Art. 52) a selected number of organisations could be invited to attend ICG/PTWS meetings and integrate Working Groups when their collaboration can help advance the work and objectives of the ICG. In the case of UN bodies, IOC shall request these organizations to take its requirements into account in planning and executing their own programmes.

The Steering Committee agreed CPPS to be invited to become a PTWS Permanent Observer, and agreed to also invite the following organisations:

SOPAC
SPREP
WMO II, III and V
CEPREDENAC
UNDP

ASEAN
IUGG Tsunami Commission
ADRC
CAPRADE

5. REVIEW OF ARRANGEMENTS FOR THE NEXT ICG/PTWS-XXIII IN SAMOA

5.1 LOGISTIC ARRANGEMENTS

The Chairman introduced a report from the representative of Samoa who was unable to attend. The meeting reviewed the arrangements and discussed on the interpretation aspects.

ITIC Director requested about the possibilities of a Scientific Workshop previous to ICG/PTWS XXIII. Technical Secretary commented that this has already been discussed at ICG/PTWS XXII and decided not to continue the back to back scientific workshop. Plans are underway to organize such a Workshop addressing global topics.

The Steering Committee decided to make an effort to have interpretation for Spanish and French available at the meeting.

5.2. TARGETED DELIVERABLES

The Chairman summarized the deliberations of the Steering Committee that included deliverables for the ICG/PTWS XXIII, including:

- Finalised version of ITSU Master Plan
- PTWS Users Guide
- PTWS Medium Term Strategy 2009-2014
- PTWS Implementation Plan
- PTWS Working Group Structure (position paper by the Steering Committee)

The Steering Committee agreed the above are the basic targeted deliverables that can be met with the resources available and based on the contributions agreed at this meeting.

5.3. DRAFT AGENDA FOR PTWS XXIII, SAMOA, FEBRUARY 16 – 18, 2009

The Technical Secretary presented a Draft Agenda for ICG/PTWS XXIII and invited the meeting to discuss and adopt the document.

The group discussed on the report of JMA and PTWC interim services and agreed that there is no need to report them separately from the agenda item NWPTAC and PTWC's "WARNING & ADVISORY SERVICE REPORT"

The Technical Secretary indicated his preference for Member States reports to not be presented in plenary. ITIC Director reminded that in previous meetings the agreement was to focus on written submissions and reduce the plenary time devoted to this reporting.

The Steering Committee agreed to invite national reports, to the extent possible, as written reports and distribute the Country Report formats ahead of the meeting. It also agreed to invite Member States to include a summary of their future plans as this would aid the development of the Implementation Plan and Medium Term Strategy.

The Steering Committee agreed with the Draft Provisional Agenda as presented in Annex 3.

6. ICG/PTWS INTERSESSIONAL COMMUNICATION MECHANISMS

The Chairman invited interventions not covered by the Agenda, or of more general interest to the meeting.

Mr Stephenson commented on the time it took to get the PTWS XXII Report and indicated the way this meeting was organized is well done with all documents posted in time and indicating details of attendees. He also suggested that the Newsletter is distributed widely through Member States including formal TWFPs and TNCs.

The Steering Committee agreed that the Chairman should have an authorized list of focal points (TNCs) to use it to communicate with Member States. The Secretariat is tasked to build and maintain the TNC list.

7. ADOPTION OF THE SUMMARY REPORT AND RECOMMENDATIONS

The Technical Secretary introduced the Summary Report and the Recommendations of the Meeting. The meeting adopted the report and the recommendations.

8 CLOSE OF MEETING

The Chairman closed the meeting after calling for a strong involvement of Member States in the preparation of and participation in the next ICG Meeting in February 2009 in Samoa. He thanked the Director of INOCAR for hosting the meeting and invited the representative of INOCAR for concluding remarks.

Annex 1: List of Participants

Chairman ICG/PTWS

Giorgio DE LA TORRE
Research Scientist INOCAR
Oceanographic Institute of the Ecuadorian Navy, INOCAR
Av. 25 de Julio – Base Naval Sur
Guayaquil
Tel.: (593 4) 2 481300
Fax: (593 4)2485165
gdtorre@inocar.mil.ec

Vice-Chairman ICG/PTWS

Yohei HASEGAWA
Senior Coordinator for International Earthquake and Tsunami Information
Japan Meteorological Agency
1-3-4 Otemachi Chiyoda-ku Tokyo 100-8122
Japan
Tel: +81 (3) 3284 1743
Fax: +81 (3) 3215 2963
yhasegawa@met.kishou.go.jp

Chair Working Group Two: Interoperability of regional, sub-regional and national tsunami warning systems in the Pacific

Dr Charles (Chip) MCCREERY
Director PTWC
Pacific Tsunami Warning Center
91-270 Fort Weaver Rd, HI 96706
United States
Tel: 808-689-8207 x301
Fax: 808-689-4543
Charles.Mccreery@noaa.gov

Chair Working Group Five: South West Pacific Region

Dr Ken Gledhill
GeoNet Project Director
Section Manager GeoHazards Monitoring
GNS Science - Te Pu Ao
DDI: +64-4-570 4848 GNS: 64-4-570 1444
Fax: +64-4-570 4676
Mobile: 027-274 7742
1 Fairway Drive, P.O. Box 30-368 Lower Hutt

New Zealand
K.Gledhill@gns.cri.nz

Chair Working Group Six: Central American Pacific Coast

Dr Alejandro RODRIGUEZ
Director
Instituto Nicaragüense de Estudios Territoriales
Frente a Hospital Metrópoli Xolotlán
Apdo. Postal 2110
Managua
Nicaragua
alejandro.rodriguez@ds.ineter.gob.ni

Other Invitees

Dr Laura KONG
Director ITIC
UNESCO IOC International Tsunami Information Centre
737 Bishop Street, Suite 2200
Honolulu Hawaii 96813 USA
United States
Tel: 1-808-532-6423
Fax: 1-808-532-5576
l.kong@unesco.org

Past Chairman ICG/PTWS

Fred STEPHENSON
Canadian Hydrographic Service / Service hydrographique du Canada
Fisheries & Oceans Canada / Pêches et océans Canada
Institute of Ocean Sciences
P.O. Box 6000
Sidney, B.C. V8L 4B2
Canada
Tel: (250) 363-6350
Fax: (250) 363-6323
stephensonf@shaw.ca

UNESCO/IOC Secretariat (Tsunami Unit)

Mr Peter KOLTERMANN
Head of IOC Tsunami Unit
Tsunami Office
Intergovernmental Oceanographic Commission (IOC)
1 Rue Miollis 75732 Paris Cedex 15,

Tel: +33 (0)1 45 68 40 15,
Fax: +33 (0) 45 68 58 10,
E-mail: p.koltermann@unesco.org

Mr. Bernardo ALIAGA
Technical Secretary ICG-CARIBE-EWS
IOC Tsunami Coordination Unit
Intergovernmental Oceanographic Commission (IOC)
1 Rue Miollis
75732 Paris, France
Tel: (33) 1 456 83 980
Fax: (33) 1 456 85 810
E-mail: b.aliaga@unesco.org

ANNEX 2

PTWS STEERING COMMITTEE PTWS SC-1

Time: Guayaquil, Oct 8 – 10, 2008-09-21

Venue: INOCAR, Guayaquil, Ecuador

ADOPTED AGENDA

1. WELCOME AND OPENING OF THE 1st MEETING

2. ORGANIZATION OF THE SESSION

2.1 ADOPTION OF AGENDA

2.2 CONDUCT OF THE SESSION, TIMETABLE AND DOCUMENTATION

2.3 LOCAL ARRANGEMENTS

3. REVIEW OF STATUS OF PRIORITISED ACTION ITEMS

3.1. PTWS MEDIUM TERM STRATEGY (RECOMMENDATION XXII.6)

Documents: MASTER PLAN (1999 revised 2004)

3.2. PTWS IMPLEMENTATION PLAN (RECOMMENDATION XXII.6)

Documents: ICG/NEAMTWS-IV/3s (NEAMTWS Implementation Plan), IOC Technical Series No. 71 (IOTWS Implementation Plan), IOC Technical Series No. 78 (CARIBE EWS Implementation Plan)

3.3. PTWS USERS GUIDE (RECOMMENDATION XXII.3)

Document: Draft PTWS Users Guide

3.4. ITIC WORK PLAN

Document IPA UNESCO/IOC-NOAA, Work Plan

3.5. ESTABLISHMENT OF WORKING GROUPS (RECOMMENDATION XXII.6 AND 8)

Circular Letter 2282

3.6. PRIORITISED CALENDAR OF ACTIVITIES TOWARDS PTWS XXIII

3.7. PACIFIC WAVE EXERCISE 08

Document: Circular Letter 2272, IOC Technical Series 82

4.- STREAMLINING PTWS FOLLOWING TOWS RECOMMENDATIONS

Documents: TOWS-WG Report, Resolution IOC EC XIL.6, Recommendation XXII.6

4.1. GOVERNANCE MODEL OF PTWS

4.2. SUBREGIONAL STRUCTURE

4.3. COOPERATION WITH UN AND NON UN BODIES

5. REVIEW OF ARRANGEMENTS FOR THE NEXT ICG/PTWS-XXIII IN SAMOA

5.1 LOGISTIC ARRANGEMENTS

5.2. TARGETED DELIVERABLES

5.3. DRAFT AGENDA FOR PTWS XXIII, SAMOA, FEBRUARY 16 – 18, 2009

6. ICG/PTWS COMMUNICATIONS INTERSESSIONNAL MECHANISMS

7. ADOPTION OF THE SUMMARY REPORT AND RECOMMENDATIONS

8 CLOSE OF MEETING

ANNEX 3

Twenty-third Session of the Intergovernmental Coordination Group for the Pacific Ocean Tsunami Warning and Mitigation (ICG/PTWS-XXIII)

Samoa

16 – 18 February 2009

DRAFT PROVISIONAL AGENDA

1. WELCOME AND OPENING OF SESSION

2. ORGANIZATION OF THE SESSION

2.1 ADOPTION OF AGENDA

2.2 DESIGNATION OF THE RAPPORTEUR

2.3. CONDUCT OF THE SESSION, TIMETABLE AND DOCUMENTATION

Suggested and statutory sessional groups:

→ -Elections Commission

→ -Recommendations Commission

→ -Programme and Budget Commission

→ -PTWS Medium Term Strategy

→ PTWS Implementation Plan

3. REPORT ON INTERSESSIONAL ACTIVITIES

3.1. IOC EXECUTIVE SECRETARY'S REPORT

3.2. CHAIRMAN'S REPORT

3.3. PTWS SECRETARIAT REPORT

3.3.1 ITIC'S REPORT

3.4. WORKING GROUP REPORTS

3.5. NATIONAL PROGRESS REPORTS

3.6. WARNING & ADVISORY SERVICES REPORT

3.6.1 PTWC

3.6.2 NWPTAC

3.7. STATUS OF PROGRESS IN OTHER ICGs

3.8. REPORTS FROM UN AND NON UN ORGANISATIONS

4. POLICY MATTERS

4.1. ADOPTION OF THE PTWS MEDIUM-TERM STRATEGY 2009-2014

[Recommendation PTWS XXII.6]

4.2 ADOPTION OF THE PTWS IMPLEMENTATION PLAN

[RECOMMENDATION PTWS XXII.6]

4.3 WORKING GROUP STRUCTURE AND OVERALL GOVERNANCE

4.3.1. DELIVERABLES

4.3.2. REVIEW OF TERMS-OF-REFERENCE OF WORKING GROUPS

4.3 SECRETARIAT TO ICG/PTWS

5. PROGRAMME AND BUDGET FOR 2010-2011

6. NEXT MEETING

6.1. CONFIRMATION OF DATE AND PLACE OF ICG/PTWS XXIV

6.2. TARGET DATE FOR ICG/PTWS XXV

7. OFFICERS ELECTIONS

8. ANY OTHER BUSINESS

9. ADOPTION OF DECISIONS AND RECOMMENDATIONS

10. CLOSE OF THE MEETING