THE GOVERNANCE AND THE ARCHITECTURE OF THE NEAMTWS

Prof. Dr. Ahmet Cevdet YALCINER

(UNESCO NEAMTWS ICG Chair)

http://yalciner.ce.metu.edu.tr/
yalciner@metu.edu.tr

December 04, 2014
Governance of the Tsunami warning system ICG/NEAMTWS established by IOC in 2005
Mandate ICG/NEAMTWS (1/2)

1. To coordinate the activities of the ICG/NEAMTWS

2. To organize and facilitate, as appropriate, the exchange of seismic, geodetic, sea-level and other data in or near real-time and information required for interoperability of the ICG/NEAMTWS

3. To promote the sharing of experience and expertise related to tsunami warning and mitigation for the north-eastern Atlantic, the Mediterranean and connected seas

4. To promote tsunami research

5. To promote the establishment and further development of national tsunami warning and mitigation capacities in accordance with standard protocols and methods

6. To develop, adopt and monitor implementation of work plans of the ICG/NEAMTWS, and to identify required resources
Mandate ICG/NEAMTWS (2/2)

7. To promote implementation of relevant capacity-building;

8. To liaise and coordinate with other tsunami warning systems;

9. To liaise with other relevant organizations, programmes and projects;

10. To promote the implementation of the ICG/NEAMTWS within a multi-hazard framework;

11. To develop a comprehensive programme of capacity-building on tsunami protection for the north-eastern Atlantic, the Mediterranean and connected seas, including the Black Sea;

12. To keep under constant scrutiny the status of the system and how it satisfies the needs.
11 Sessions ICG/NEAMTWS

- ICG/NEAMTWS Established in June 2005 during the IOC Assembly
  - ICG/NEAMTWS I - Italy/2005
  - ICG/NEAMTWS II - France/2006
  - ICG/NEAMTWS III - Germany/2007
  - ICG/NEAMTWS IV - Portugal/2007
  - ICG/NEAMTWS V - Greece/2008
  - ICG/NEAMTWS VI - Turkey/2009
  - ICG/NEAMTWS VII - UNESCO Paris/2010
  - ICG/NEAMTWS VIII - Spain/2011
  - ICG/NEAMTWS IX - United Kingdom/2012
  - ICG/NEAMTWS X - Italy/2013
  - ICG/NEAMTWS XI - Cyprus/2014
  - **ICG/NEAMTWS XII** - ........................../2014
Officers

- Chairperson
  - Ahmet Cevdet YALCINER (Turkey, Middle East Technical University - METU)
    - 2013-...

- Vice chairpersons
  - Trevor GUYMER (National Oceanography Centre, Southampton, UK)
    - 2012-...
  - Pierluigi SODDU (Italian Department for Civil Protection, Civil Protection)
    - 2013-...

- UNESCO Officers
  - Thorkild Aarup
  - Francesca Santoro
Working Group 1
Hazard Assessment and Modelling
Co-chairs:  
Mauricio González (Universidad de Cantabria, Spain)  
Jörn Behrens (University of Hamburg, Germany)

Working Group 2
Seismic and Geophysical Measurements
Co-chairs: Stefano Lorito (INGV, Italy)  
Gerasimos Chouliaras (National Observatory of Athens, Greece)
Working Group 3
Sea Level Data Collection and Exchange, Including Offshore Tsunami Detection and Instruments
Co-chairs:
Begoña Pérez Gómez (Puertos del Estado, Spain)
Dov S. Rosen (Israel Oceanographic & Limnological Research, Israel)

Working Group 4
Public Awareness, Preparedness and Mitigation
Co-chairs:
Emilie Crochet (Ministry of Interior, France)
Stefano Tinti (University of Bologna, Italy)
Task Team on Tsunami Exercise
Co-chairs: Emilie Crochet (Ministry of Interior, France)
          Marzia Santini (Italian Department for Civil Protection)

Task Team on Tsunami Exercise
Co-chairs: Emilie Crochet (Ministry of Interior, France)
          Marzia Santini (Italian Department for Civil Protection)

Task Team on Operation
Co-chairs: Francois Schindele (CEA France)
          Alberto Michelini (INGV, Italy)
Basic structural elements of the TWS in the NEAM region

Candidate Tsunami Watch Providers (CTWPs) (CTSPs)

Tsunami National Contacts (TNCs)

Tsunami Warning Focal Points (TWFPs)

National Tsunami Warning Centres (NTWCs).

The functions of such components of the NEAMTWS have been adopted by the ICG at the second session of the NEAMTWS held in Nice, 22-24 May 2006.
TNC

- **Tsunami National Contact**
- The person designated by an ICG Member State government to represent his/her country in the coordination of international tsunami warning and mitigation activities. The person is part of the main stakeholders of the national tsunami warning and mitigation system program. The
- person may be the Tsunami Warning Focal Point, from the national disaster management
- organization, from a technical or scientific institution, or from another agency with tsunami
- warning and mitigation responsibilities.
NEAMTWS – TNCs

**Belgium**
Jaak Raes, Centre gouvernemental de coordination et de crise (CGCCCR)

**Bulgaria**
Atanas Vasilev Palazov, Bulgarian Institute of Oceanology (BAS)

**Cape Verde**
Bruno Faria, Instituto Nacional de Meteorologia e Geofísica (INMG)

**Croatia**
Ivica Vilibic, Institute of Oceanography and Fisheries (IOF)

**Cyprus**
George Zodiatis, Cyprus Oceanography Centre, University of Cyprus (OC)

**Denmark**
Erik Buch, Danish Meteorological Institute (DMI)

**Egypt**
Mahmoud Ismail and Maged Huassain, National Institute of Oceanography and Fisheries (NIOF)

**Estonia**
Ulo Suursaar, Estonian Marine Institute, University of Tartu (EMI)
NEAMTWS – TNCs

**Finland**
Finnish Meteorological Institute (FMI)

**France**
Charles Giusti, SATANEM, Ministère de l'Intérieur

**Germany**
Anna von Gyldenfeldt, Federal Maritime and Hydrographic Agency (BSH)

**Greece**
Maria Sachpazi and Nikolas Melis, National Observatory of Athens (NOA)

**Ireland**
Brian McConnell, Geological Survey of Ireland (GSI)

**Israel**
Dov S. Rosen, Israel Oceanographic and Limnological Research (IOLR)

**Italy**
Pierluigi Soddu, Dipartimento della Protezione Civile

**Lebanon**
Alexandre Sursock, National Center for Geophysical Research, National Council for Scientific Research
NEAMTWS – TNCs

Malta
Michel Galea, Civil Protection Department (MJHA-CPD)

Monaco
Michel Boisson, Centre Scientifique de Monaco (CSM)

Netherlands
Stein van Oosteren, Permanent Delegation of the Kingdom of the Netherlands to UNESCO

Portugal
Fernando Carrilho, Instituto de Meteorologia (IM)
Patricia Pires, Autoridade Nacional de Protecção Civil (ANPC)

Romania
Constantin Ionescu, National Institute for Earth Physics (NIEP)

Russian Federation
Viacheslav M. Shershakov, State Institution Research and Production Association "Typhoon"

Slovenia
Igor Strojan, Environmental Agency of the Republic of Slovenia (EARS)
NEAMTWS – TNCs

Spain
Elena Tel, Instituto Español de Oceanografía (IEO)

Sweden
Kenneth Lundmark, Swedish Civil Contingencies Agency (MSB)

Syria
Erfan Ali, Syrian Wireless Organization (SWO), Ministry of Telecommunication and Technology

Turkey
Nurcan Meral Özel and Öcal Necmioglu, Kandilli Observatory and Earthquake Research Institute (KOERI)

Ukraine
Sergey Dotsenko, Marine Hydrophysical Institute, National Academy of Sciences of Ukraine (MHI)

United Kingdom
Stephen Hall, National Oceanography Centre, Southampton (NOC)
TWFP

- **Tsunami Warning Focal Point**
- A 24 x 7 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 Operation Procedures. The TWFP may or not be the NTWC.
TWFP

- Tsunami Warning Focal Point

- Reception of the messages transmitted by the Regional Tsunami Watch Centres
- Evaluate and issue national warnings in accordance with the National Emergency Plan
- Transmission of warning messages to the National Emergency Authorities
- Operating 24/7
Established national Tsunami Warning Focal Points (TWFPs) for the NEAMTWS:

**Belgium**
Centre gouvernemental de coordination et de crise (CGCCR)

**Bulgaria**
Bulgarian Institute of Oceanology (BAS)

**Cape Verde**
Instituto Nacional de Meteorologia e Geofísica (INMG)

**Croatia**
National Protection and Rescue Centre

**Cyprus**
Cyprus Oceanography Centre, University of Cyprus (OC)

**Denmark**
Danish Meteorological Institute (DMI)

**Egypt**
National Research Institute of Astronomy and Geophysics (NRIAG)

**Estonia**
Estonian Marine Institute, University of Tartu (EMI)
NEAMTWS – TWFPs

**Finland**
Monitoring Center for Natural Disasters, Finnish Meteorological Institute (FMI) and Government Situation Center Finland, Prime minister's office

**France**
Centre National d'Alerte aux Tsunamis (CENALT)

**Germany**
Federal Maritime and Hydrographic Agency (BSH)
Deutscher Wetterdienst (DWD)

**Greece**
Institute of Geodynamics, National Observatory of Athens (NOA)

**Israel**
Geophysical Institute of Israel (GII)

**Italy**
Istituto Nazionale di Geofisica e Vulcanologia

**Lebanon**
National Center for Geophysical Research, National Council for Scientific Research (NCGR)

**Malta**
Civil Protection Department (MJHA-CPD)
NEAMTWS – TWFPs

Monaco
Compagne des Sapeurs-Pompiers de Monaco (SPMC)

Netherlands
Royal Netherlands Meteorological Institute (KNMI)

Norway
Directorate for Civil Protection and Emergency Planning (DSB)

Poland
National Centre for Coordination of Rescue Operations and Protection of Population, National Headquarters of the State Fire Service (KG PSP)

Portugal
Instituto Português do Mar e Atmosfera (IPMA)

Romania
National Institute for Earth Physics (NIEP)

Russian Federation
State Institution Research and Production Association "Typhoon"
NEAMTWS – TWFPs

**Spain**
Dirección General de Protección Civil y Emergencias (DGPCE)

**Sweden**
Swedish Meteorological and Hydrological Institute (SMHI)

**Syria**
Syrian Wireless Organization (SWO), Ministry of Telecommunication and Technology

**Turkey**
Kandilli Observatory and Earthquake Research Institute (KOERI)

Earthquake Department, Office of Prime Ministry, Disaster and Emergency Management Presidency (DEMP)

**United Kingdom**
Humanitarian Operations, Department for International Development (DFID)
NTWC

- National Tsunami Warning Center

- A center officially designated by the government to monitor and issue tsunami warnings and other related statements within their country according to established National Standard Operation Procedures.

- Warning Centers strive to be:
  - Rapid, by providing warnings as soon as possible after a potential tsunami generation
  - Accurate, by issuing warnings for all destructive tsunamis while minimizing false warnings
  - Reliable, by making sure they operate continuously, and that their messages are sent and received promptly and understood by the users of the system.
Candidate Tsunami Service Providers (CTSPs)

• Collection, record, processing and analysis of earthquake data for the rapid initial assessment (locate the earthquake, the depth, the magnitude, the origin time) as a basis for the alert system

• Computing the arrival time of the tsunami in the forecasting points listed in the Communication Plan

• Collection, record, processing and analysis of sea level data for confirming and monitoring the tsunami or for cancelling elements of the alert system

• A decision making process in accordance with the Communication Plan to elaborate messages

• Dissemination to the Member States focal points (and national warning centres) of the messages in accordance with the Communication Plan, included the tsunami travel time, the amplitude and period of tsunami measured, and cancellation messages
Intergovernmental Coordination Group for the Tsunami Early Warning and Mitigation System in the North Eastern Atlantic, the Mediterranean and connected Seas (ICG/NEAMTWS)

Five Candidate Tsunami Service Provider (CTSPs)

FRANCE - GENALT
PORTUGAL
ITALY
GREECE - NOA
TURKEY - KOERI

5 CTSP Operating
Tenth Session of ICG/NEAMTWS X

- Rome / 19-21 November 2013 hosted by the Italian Civil Protection Department

- Having reviewed the progress made in the implementation of the NEAMTWS

- Noting furthermore the positive results of the extended communication tests since the ninth session and of the first tsunami exercise for the region

- Welcoming the continuation of the interim operational phase of NEAMTWS

- Welcoming the commitments by Italy and Portugal to announce the establishment of their national tsunami warning centres and to provide CTWP services in 2014
UNESCO IOC TOWS–WG Meeting in 2014

UNESCO
Intergovernmental Oceanographic Commission
Reports of Meetings of Experts and Equivalent Bodies
Working Group on Tsunamis and Other Hazards Related to Sea-Level Warning and Mitigation Systems

(TOWS-WG)
Seventh Meeting Paris, France
12–13 February 2014
ICG/NEAMTWS activities in 2014

- Tenth Session
- February Meeting - Paris
- March 20 WG Meetings - Paris
- March 21 Scientific Steering Committee Meeting - Paris
- NEAMTWS Fourth Communication Test Exercise (CTE4)
- NEAMWave14 Activities
  - Tsunami Exercise
    - 28–30 October 2014
  - Brussels workshop, June 2014
  - Rabat workshop, September 2014

- Current ICG
  - Cyprus in November 2014
ICG/NEAMTWS STEERING COMMITTEE MEETING

21 March 2014
9:00 – 12:30

DRAFT AGENDA

1. Opening and Organization of the Meeting
2. Adoption of the Agenda
3. Introduction and Quick Review of Recent UNESCO ICG Meeting Outcomes
4. NEAMTWS WG Activities
5. Discussion on NEAMTWS Accreditation Procedures
6. Discussion and Approval of TT-TE and TT-CE Action Plan for 2014
7. Discussion and Approval NEAMWave14 activities
8. Closing
June 10 Brussels Meeting

Preparing for the exercise NEAMWave 14
Tuesday, 10 June 2014, from 10.00 to 17.00
DG ECHO, ERCC, Rue Joseph Il 79, 1049 Brussels, Belgium

Draft Agenda

(1) Introduction by the Commission

(2) Presentation of the Tsunami Warning System
UNESCO presented the NEAMTWS, its composition and how it works.

(3) Presentation of the contribution of the European Commission within the Union Civil Protection Mechanism framework to the UNESCO effort to set up the NEAMTWS

(4) General presentation of the NEAMWave 14 Exercise
NEAMWave14 task force presented the exercise.

(5) In-depth description of the NEAMWave 14 scenarios and phases
The four Scenarios presented by the representatives of the Candidate Tsunami Watch Providers. The Exercise task force members then illustrated the three phases of NEAMWave 14.

(6) Explanation of registration procedures to the NEAMWave 14

(7) Any Other Business and Conclusions

10 June 2014

✓ European Response Centre in Brussels

Participants

✓ Spain
✓ Malta
✓ Italy
✓ France
✓ Romania
✓ Germany
✓ Turkey
✓ Portugal
Tsunami Exercise

NEAMWave14 Exercise Flowchart

NEAMWave14 Organization

<table>
<thead>
<tr>
<th>Scenario/Timing</th>
<th>28/10/2014 morning</th>
<th>28/10/2014 afternoon</th>
<th>29/10/2014 morning</th>
<th>29/10/2014 afternoon</th>
<th>30/10/2014 morning</th>
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</thead>
<tbody>
<tr>
<td>Black Sea scenario (KOERI)</td>
<td>Phase A and B</td>
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<tr>
<td>Western Mediterranean scenario (CENALT)</td>
<td>Phase A and B</td>
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<tr>
<td>North East Atlantic scenario (IPMA)</td>
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<td>Phase A and B</td>
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<tr>
<td>Eastern Mediterranean scenario (NOA)</td>
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<td>Phase A and B</td>
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<td>Phase C</td>
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</table>
Fourth NEAMTWS Test Exercise (NEAMTWS – CTE4)

NEAMTWS – CTE4 involves the NTWC and TWFP

The aim of the NEAMTWS – CTE4 is to refine procedures for testing the communication of tsunami alert messages between NTWC and TWFP, including speed and availability within NEAMTWS region.

NEAMTWS – CTE4 addresses the questions related to the evaluation and issuance of the warning message by the TWP, as in the previous CTEs, but will also attempt to assess the national and/or local response and warning dissemination mechanisms once emergency authorities receive a warning.
IOC/UNESCO

INTERGOVERNMENTAL COORDINATION GROUP FOR THE TSUNAMI EARLY WARNING AND MITIGATION SYSTEM IN THE NORTH-EASTERN ATLANTIC, THE MEDITERRANEAN AND CONNECTED SEAS (ICG/NEAMTWS)

REGIONAL WORKSHOP ON TSUNAMI WARNING AND EMERGENCY RESPONSE FOR THE NORTH-EASTERN ATLANTIC, MEDITERRANEAN AND CONNECTED SEAS (NEAMTWS)

23–24 September 2014, Rabat, Morocco
1. Present activities in the Mediterranean and the North - East of the ICG / NEAMTWS
2. Engage the Maghreb countries in the ICG / NEAMTWS network and its associated fiscal tsunami warning in October 2014

### Session 1: The early warning systems for tsunamis - design and operation

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>10:45</td>
<td>Governance, status and system architecture tsunami warning in the region NEAM (North - East Mediterranean and adjacent seas) Ahmet Yalciner, Chairman of the ICG / NEAMTWS Questions</td>
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<tr>
<td>11:30</td>
<td>The National Centres Tsunami Alert (NTWCs)</td>
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<tr>
<td>14:00</td>
<td>Alert messages, transmission and dissemination of alerts perspective Tsunami Watch Providers (TWP)</td>
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<td>14:30</td>
<td>Receiving alerts and information management from the perspective of the receivers (the Tsunami National Contact (TNC) / Focal Point Tsunami Alert (TWP))</td>
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<td>15:15</td>
<td>Presentation by representatives of national governments in the management of coastal protection and the population to coastal hazards (Algeria, Morocco)</td>
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<tr>
<td>16:30</td>
<td>Presentation by representatives of national governments in the management of coastal protection and the population to coastal hazards (Mauritania, Tunisia)</td>
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### Session 2: NEAMWave14 Exercise

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<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>9:00</td>
<td>The role of exercise: international vision NEAMWave12: The Return of Experience (REX)</td>
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<td>9:20</td>
<td>The objectives of the exercise NEAMWave14</td>
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<td>9:40</td>
<td>NEAMWave14 - Phase A: Emile Hooke, Co - Chair of the special “Testing communication and alerting Year” team</td>
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<tr>
<td>10:00</td>
<td>NEAMWave14 - Phase B: Marzia Santini, Co - Chair of the special “Testing communication and alerting Year” team</td>
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<td>10:20</td>
<td>NEAMWave14 - Phase C: Director General for Humanitarian Aid Office of the European Commission (DG ECHO)</td>
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### Session 3: Preparedness, mitigation and public awareness

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<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>11:30</td>
<td>The Information Center Tsunamis: NEAMTIC</td>
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<td>12:00</td>
<td>Assessing and preventing the risk of tsunami: the project approach ASTARTE</td>
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<td>14:00</td>
<td>Roundtable hosted by Ahmet Yalciner and Pierluigi Soddu</td>
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<tr>
<td>15:30</td>
<td>End of the meeting &quot;tsunami preparedness in coastal areas of the Maghreb&quot; Rabat - UNESCO 2014</td>
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Rabat Workshop (23 - 24 September 2014)

Rabat Workshop hosted by the Islamic Educational, Scientific and Cultural Organization (ISESCO) and is co-organized with the “Centre national de la Recherche scientifique et technologique” (CNRST) of Morocco and the UNESCO Rabat Office.

focus on tsunami warning and emergency response, and on the tsunami exercise NEAMWave14 we encourage applications from institutions in charge of coordinating national seismic and sea-level measuring networks, as well as from Civil Protection Authorities (CPAs).
NEAMTWS Tsunami Exercise (28–30 October 2014)

- Exercise will run in real time
- Exercise messages will be issued by the TWPs
- NEAMWave14 Exercise Manual distributed with further details on
  - the exercise scenarios
  - the simulated messages
  - the participation options
  - the participation application form which needs to be filled out and sent back to the ICG/NEAMTWS in IOC
North-Eastern Atlantic, Mediterranean and connected sea Tsunami Information Centre (NEAMTIC)

- NEAMTIC
  - Multi-lingual information and educational products
  - Collection of good practices on prevention and preparedness
  - Repository of ICG/NEAMTWS documents and information
ICG/NEAMTWS
Task Team on Communication Test
Workshop on “Communication of Tsunami Messages”
11 November 2014 13:30 – 17:00
Nicosia (Cyprus)
AGENDA

1- Opening (13:30)
2- Introduction to tsunami messages disseminated in the NEAMTWS framework (National Observatory of Athens) (13:35)
3- E-mail messages dissemination practices (Kandilli Observatory and Earthquake Research Institute) (13:55)
4- Fax messages dissemination practices (Kandilli Observatory and Earthquake Research Institute) (14:15)
5- GTS message dissemination practices (Instituto Português do Mar e da Atmosfera) (14:35)
6- New approaches – SMS dissemination practices (National Observatory of Athens) (14:55)

COFFEE BREAK

7. Round table for discussing communication issues and problem solving – NEAMTWS practices
8-CLOSING (17:00)
ICG NEAMTWS
Steering Committee Meeting
11 November 2014, 17:00 – 19:00
12 November 2014, 09:00 – 09:30

AGENDA

1- Opening
2- Adoption of the Agenda
3- Review of the ICG/NEAMTWS XI agenda
4- Review and adoption of TOWS recommendation on terminology and NEAMTIC
5- Review of ToR of WGs and Task Teams (inter-operability of cTWPs, recipients of cTWPs message, transparency, alarm plans and contacts, civil protection authorities roles and needs)
6- Accreditation of CTWPs
7- Proposals for revision / updating of guiding documents
8- Multi-hazard approach
9- Proposal for activities for next year 10th anniversary of NEAMTWS
10- AOB
11- Closing
<table>
<thead>
<tr>
<th>Hour</th>
<th>11 November (Tuesday)</th>
<th>12 September (Wednesday)</th>
<th>13 November (Thursday)</th>
<th>14 November (Friday)</th>
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<tbody>
<tr>
<td>08:30-10:00</td>
<td>NEAMTWS Tsunami Watch Operation Workshop</td>
<td>Registration, logistics</td>
<td>00:00-11:30</td>
<td>4.3 Evaluation of NEAMWave14</td>
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<td>10:00-11:00</td>
<td>1. OPENING</td>
<td>Cyprus Authorities</td>
<td>11:30-11:30</td>
<td>COFFEE BREAK</td>
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<td>2. ORGANIZATION OF THE SESSION</td>
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<td>3. Adoption of the agenda</td>
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<td>2. Designation of the rapporteur</td>
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<td>2.3 Conduct of the session, timetable and documentation</td>
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<td>2.4 Establishment of sessional committees and working groups</td>
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<td>11:00-11:30</td>
<td>COFFEE BREAK</td>
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<td>11:30-13:00</td>
<td>3. REPORTS ON ICG/NEAMTWS INTERSESSIONAL ACTIVITIES</td>
<td>11:30-13:00</td>
<td>4.4 Tsunami Alert Messages and new products from other ICGs</td>
<td>11:30-13:30</td>
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<td>3.1 Report by the Chairperson</td>
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<td>3.2 Report by IOC Secretariat</td>
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<td>3.3 Report by TOWS-WG</td>
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<td>13:00-14:20</td>
<td>LUNCH BREAK</td>
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<td>13:00-14:00</td>
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<td>14:00-16:00</td>
<td>4. IMPLEMENTATION</td>
<td>14:30-16:30</td>
<td>SESSIONAL WORKING COMMITTEES AND WORKING GROUPS</td>
<td>14:00-16:00</td>
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<tr>
<td></td>
<td>4.1 Establishment of CTWPs and NTWCs</td>
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<td>4.2 Tsunami Information Center (NEAMTIC)</td>
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<td>16:00-18:00</td>
<td>COFFEE BREAK</td>
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<td>SESSIONAL WORKING COMMITTEES AND WORKING GROUPS</td>
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<td>SESSIONAL WORKING COMMITTEES AND WORKING GROUPS</td>
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## Tasks

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Summary

Having met for its 11th Session in Nicosia, Cyprus, 12–14 November 2014,

Having reviewed the progress made in the implementation of the NEAMTWS,

Noting furthermore the positive results of the extended communication tests since the Tenth Session and of the second tsunami exercise for the region, NEAMWave14, and the significant increase of the participation of Civil Protection Authorities

Welcoming the continuation of the interim operational phase of NEAMTWS, through the activities of candidate Tsunami Service Providers (CTSPs) in France, Greece and Turkey,

Welcoming the commencement of the activities of candidate Tsunami Service Provider by Italy

Urges those Member States who have not yet subscribed through the IOC to the services of the CTSPs to do so as soon as possible
SUMMARY

Requests the Executive Secretary to contact Member States
i) who have not nominated or verified both TWFPs and TNCs,
ii) who have not provided tsunami forecast points, and remind them to urgently do so;

Takes note of the Decision EC-XLVII, Dec.3.2.1 approved by the 47th Session of IOC Executive Council

Requests the Co-Chairs of the Working Groups and of the Task Teams to prepare, in consultation with the Members of their respective Working Groups or Task Team, a plan of action for the inter sessional period, and submit it to the IOC Secretariat no later than the end of January 2015
DECISIONS

(i) To continue the Task Team on Communication Test with Terms of Reference as outlined in Annex 1,

(ii) To continue the activities of the Task Team on Tsunami Exercises with Terms of Reference as outlined in Annex 2,

(iii) To establish a new Task Team on Operations with Terms of Reference as outlined in Annex 3,

(iv) To continue the activities of the Steering Committee during the inter sessional period with the Terms of Reference in Annex 4 hereafter,

(v) To continue conducting quarterly non-dummy Extended Communication Test Exercises based on a scenario event,

(vi) To continue the regular dummy Communication Test Exercises conducted every month between CTWPs and their subscribers,

(vii) To revise the NEAMTWS documentation, including the generation of a new high level, overview document to be approved by the ICG/NEAMTWS at its Twelve session;
RECOMMENDATIONS

(i) **To increase** the participation of Member States, including by the use of workshops,

(ii) By recalling the procedures **approved** at the ICG/NEAMTWS-IX, the CTSPs to apply for Accreditation, and in the interim to continue operating in accordance with those procedures,

(iii) **To review** the way in which contact lists are used within the communication

(iv) **To make** available the reports of TOWS meetings to the TNCs and to the ICG NEAMTWS Working Groups and Task Teams for review,

(v) **To increase** the accessibility of documentation through the use of the collaborative workspace made available by the IOC Secretariat,

(vi) **To improve** the efficiency of Working Groups during the inter sessional period ensuring that key documents are made available via the IOC Secretariat at least one month before next ICG
Acknowledges the importance of NEAMTIC and invites it to continue its work;

Thanks the Task Team on Tsunami Exercise and the IOC Secretariat for the successful coordination of the Exercise NEAMWave14;

Acknowledges the assistance provided by the Directorate-General of the European Commission’s Humanitarian Aid Office (DG-ECHO) for the undertaking of NEAMWave14 and the continued support of the EC and Joint Research Centre (JRC) in capacity development, including infrastructure and research and new sea level measurements;

Agrees to exchange information with ICG/CARIBE-EWS as appropriate and to invite its Chair to participate in the Task Team for Tsunami Exercises;

Thanks Cyprus for hosting the Eleventh Session of ICG/NEAMTWS
THANK YOU!