SUMMARY REPORT

1. **OPENING**

The co-chairs, Alexander Rudloff (GFZ-Germany) and Öcal Necmioğlu (KOERI-Turkey), opened the meeting on Friday 11 March at 10.00 a.m. In her introductory remarks Wendy Watson-Wright, Executive Secretary, and Assistant Director General for IOC-UNESCO, stressed the importance of the work of the Task Team in view of the tragic event in Japan. Co-chairs of the Task Team have agreed to have Öcal Necmioğlu to primarily chair the Extended Communication Test Exercise and its related work and Alexander Rudloff to primarily chair the Tsunami Exercise and its related work. Co-chairs jointly pointed out the amount of work needed to perform the tasks and emphasized on the need of support from the members of the Task Team.

2. **APPROVAL OF AGENDA**

The TT approved the provisional agenda.

3. **SCOPE AND OBJECTIVE OF THE COMMUNICATION TEST EXERCISE**

The meeting reviewed the Decisions and Recommendations of the NEAMTWS-VII and ToR of the TT-CT&TE.

4. **EVALUATION OF THE WORK CONDUCTED BY THE TT CT&TE**

All CTE participants found the exercise useful, and performed an extended set of activities in their institutes. It was stressed the need to prepare specific guidelines for the preparation of the Enlarged Communication Test Exercise. During CTE1 a major anomaly was detected on message delivered by email and a remedy solution needs to be adopted for the CTE2. The TT-CTE highlight the importance of having other communication media like Global Telecommunication System (GTS) for future communication exercise. The co-chair asked for reports from each member on GTS availability:
• Kandilli Observatory Earthquake Research Institute (KOERI, Turkey) is exploring the option of having its own access to GTS, and is evaluating the technical requirements. On this matter KOERI is coordination with the State Meteorological Institute.

• National Observatory of Athens (NOA, Greece) is working in close collaboration with the National Meteorological Institute to use their GTS.

An other point has been raised about the efficacy of fax, especially for countries which have many TWFPs. Considering that the message will be received by the civil protection authorities, fax cannot be excluded because it might be the only media available. It is important, however, to consider that the end-users should be well trained to receive the message. Email should be, anyway, considered the main media as the safest, although attention should be put on avoiding the messages being cancelled by anti-spam filters.

• National Institute for Earth Physics (Romania) has access to GTS.

• Commissariat à l'énergie atomique (CEA, France) has made an agreement with Météo-France International (MFI) for GTS. A specific software has been acquired from Météo-France International (MFI) for GTS, for receiving tide gage data and messages, and sending tsunami messages. CEA is currently using ftp and working on having MPLS system in place by the end of April. The header of the message is important because it has many information in itself (e.g. the region). The sytem is running on manual mode at the moment but automatic status is aimed by the end of June. The communication line is now done.

• At the Institute de Meteorologia (IM, Portugal), the GTS is set up since long time ago, and it is considered as a very reliable system, either to receive or to send messages. There is the need to do some preparatory work by the recipient, in particular for what regards the kind of message to receive (i.e. the headers of the message).

An important issue, in order to evaluate the CTE is to have reports about the receiving time of the message, because what normally is reported is the sending time.

5. PREPARATION, IMPLEMENTATION AND EVALUATION OF THE ENLARGED COMMUNICATION TEST EXERCISE(S)

The offer from KOERI to be the next originator of the communication exercise remain valid. Luis Matias proposed to consider also the importance of having an institute already able to send messages through GTS in order to be able to test the system. KOERI will probably be ready to use GTS also for next CTE. Portugal offers also to be the next originator towards the end of the year for the possible 2nd CTE. France is currently making necessary preparations and will finalize the testing of its system by the end of June. France and Portugal have already conducted GTS test among themselves. Since all three possible candidates (France, Portugal and Turkey) for the 1st Enlarged CTE are still trying to obtain full GTS capability, a further evaluation needs to be done before the Tsunami Workshop in June to decide on the message provider for the first Enlarged CTE.
The reports of the first two communication tests should be made available on the website for interested TWFPs with the intention of participating in the Exercise. The possibility of having an official IOC-UNESCO document can be considered after the end of this next generation of exercises, including the work conducted by the initial Task Team of CTE last year.

As for the operational guide, inspired by the Pacific, and also by the ongoing Caribbean test exercise the operational guide should be more detailed also for NEAM area. It will be important to have not only information on the technical issues, but also on concepts, and framework introduction, considering that it will be available to a wider community.

**Current status of TWFP/TFPs**

A letter should be sent from the chair of the ICG/NEAMTWS to Member States in order to be more active, and to update the list of the TWFPs. The letter could be jointly written by the chair, and by the IOC-UNESCO ADG. It is important to complete the official process by filling the form included in the Operational Users Guide. It is important to have the completed list also to send official invitations for the Tsunami workshop.

**1st enlarged CTE**

For the first enlarged CTE all TWFPs on which the information is available should be involved. As for a 2nd enlarge CTE the decision should be based on the evaluation of the 1st CTE. The timing for all activities could be as follows:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Scheduled time</th>
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<tbody>
<tr>
<td>Tsunami workshop</td>
<td>June 2011 (two days during the first two weeks)</td>
</tr>
<tr>
<td>1st Enlarged CTE</td>
<td>July 2011 (during the first two weeks)</td>
</tr>
<tr>
<td>Evaluation of CTE</td>
<td>Two weeks after CTE</td>
</tr>
<tr>
<td>2nd meeting of TT-CTE&amp;TE</td>
<td>September 2011 (3rd week)</td>
</tr>
<tr>
<td>2nd Enlarged CTE (if needed)</td>
<td>October 2011 (possibly 2nd, latest last week)</td>
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</tbody>
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6. **SCOPE AND OBJECTIVES OF THE TSUNAMI EXERCISE**

Co-chair Alexander Rudloff confirmed the intention of EU Joint Research Centre to host the Tsunami Workshop and the offer by JRC to host the proposed Tsunami Workshop have been acknowledged by the meeting. For the scope and objectives of the TE a good starting point is to review the Guiding Principles and objectives for the IOWave09 Exercise, and also consider the Tsunami Test for the Caribbean to be conducted on March 31st.

7. **PREPARATION OF THE TSUNAMI EXERCISE 2012**

The Tsunami Workshop should be considered as a brainstorming moment on how to conduct a new generation of communication, and test exercise, and also to gain experience from other regions. The workshop should be concentrated on the communication issues i.e. communication media (fax, emails, etc.) and therefore involve as much as possible the disaster management, and civil protection communities, in order to have the presence of
institutions who are not actively involved in the existing NEAMTWS work. The aim of the workshop is to bring the two communities of scientists, and disaster managers together. A shortlist of earthquake scenarios are defined as 365 Western Hellenic Arc, 1755 Lisbon, 1856 North Algeria, 1908 Messina Strait, events, where two events in different parts of the NEAM region could be considered simultaneously to provide coverage for all regions of NEAM.

The title of the workshop have been proposed as “Tsunami Hazard in Europe – A Challenge for Science and Civil Protection” with the following tentative programme:

Tsunami hazard in the NEAM region - Keynote Talk from G. Papadopoulos
Welcome & Presentation by IOC/NEAMTWS Chair, F. Schindele
Welcome & Presentation by MIC/Guided tour by JRC
Civil protection – Hazard preparedness - Session (1/2 day)
Early Warning Operations - Session (incl. international experiences) (1/2 day)
Tsunami Exercises, including international experience + IOC Tsunami Drill (1/2 day)

A two days programme is recommended. The announcement of the workshop should be ready for the beginning of April, also to be presented at the next EGU conference. An organising committee is defined and it is proposed to be composed by the co-chairs of the TT, the IOC Secretariat, François Schindelé, Gerassimos Papadopoulos, Luis Matias, Stefano Tinti, Alessandro Annunziato).

The name for the 2012 tsunami exercise has been decided to be NEAMWAVE12

8. NEXT MEETING OF THE TT CT&TE

It is decided to be during the 3rd week of September, coupled with other TT meetings.

9. AOB

Stefano Tinti had proposed to develop guidelines to make an evaluation and assessment of the candidate centres on which TT could be make a recommendation. This issue could be discussed at the next TTs meeting, and then let the ICG/NEAMTWS to decide which will be the TT in charge of this evaluation. A recommendation by the InterICGs WG already stressed the importance of having periodical evaluations which should be made by external experts.

10. CLOSING

The co-chairs closed the meeting on Friday 11 March at 3.30 pm
Annex I
Agenda

1- OPENING AND ORGANIZATION OF THE MEETING

2- ADOPTION OF THE AGENDA

3- SCOPE AND OBJECTIVES OF THE COMMUNICATION TEST EXERCISES
   Review of Decisions and Recommendations of NEAMTWS-VII and ToR of TT-CT&TE

4- EVALUATION OF THE WORK CONDUCTED BY TT-CTE

5- PREPARATION, IMPLEMENTATION AND EVALUATION OF THE ENLARGED
   COMMUNICATION TEST EXERCISE(S)
   Current status of TWFP : Completeness of list and coordinates
   1st Enlarged CTE
   Possible 2nd Enlarged CTE

6- SCOPE AND OBJECTIVES OF THE TSUNAMI EXERCISE

7- PREPARATIONS FOR THE TSUNAMI EXERCISE 2012
   1st Tsunami Exercise Workshop 2011

8- NEXT MEETING OF TT-CT&TE

8- AOB
Annex II
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