WORLD METEOROLOGICAL ORGANIZATION
&
UNESCO-INTERGOVERNMENTAL
OCEANOGRAPHIC COMMISSION

WMO-IOC WORKSHOP ON THE GTS FOR EFFECTIVE EXCHANGE OF TSUNAMI WARNINGS, RELATED INFORMATION AND OTHER WARNINGS IN THE INDIAN OCEAN
BANGKOK, 18-20 DECEMBER 2007

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ITEM 1.3

ENGLISH only

Workshop Objectives

To ensure that relevant personnel of the National Meteorological Centre of NMHSs in the Indian Ocean, especially those associated with the Focal point for receiving interim tsunami advisory information, are well-informed of the required GTS technical arrangements and procedures ensuring an effective operational exchange, reception and use of Tsunami watch/warnings messages, of related information, especially sea-level data, and of other warnings.

PROVISIONAL ANNOTATED AGENDA

1 ORGANIZATION OF THE WORKSHOP

1.1 Opening of the workshop

The meeting will open at 9H30 on Tuesday 18th December 2007 at Novotel Accor Bangna Hotel, Bangkok, Thailand.

1.2 Election of the chairperson

The meeting will agree on its chairperson, and may wish to agree on session chairs to facilitate an effective proceeding of the workshop.

1.3 Adoption of the agenda

The WMO-IOC Multidisciplinary Workshop on the GTS Exchange of Tsunami Warnings, related Information and other Warnings in the Indian Ocean will review the organizational and operational arrangements and procedures for the effective exchange on the GTS of Tsunami watch and warning messages, related information including sea-level data (surface and deep-sea sensors) and seismic data, as appropriate; the review will also address data representation forms that are used/recommended for the various types of information, and guidance on their display and use, including possible application software, by NMCs of NMHSs and other centres concerned.

The expected outcome of the workshop is to facilitate the implementation at NMCs and RTHs of the required technical and operational arrangements to ensure the most effective operational exchange and use of Tsunami-related information and other warnings.

The Workshop is sponsored by NOAA (USA) and hosted in Bangkok at the kind invitation of the Thai Meteorological Department (TMD).

1.4 Working arrangements

Documentation and presentations will be in English only.

Participants & Lecturers are invited to submit documents related to the agenda items *in electronic form (e.g. MS Word or PPT), and before the meeting by electronic mail to jmrainer@wmo.int*

The WMO Secretariat provides the available documents on the WMO WEB server under: http://www.wmo.int/pages/prog/www/ISS/Meetings/Wkshop-GTS-TWI-IO_Bangkok2007/documents.html

2 EFFECTIVE DATA EXCHANGE BY THE GLOBAL TELECOMMUNICATION SYSTEM: ORGANIZATION AND OPERATION

2.1 Organization and structure of the GTS

2.2 Status of implementation, operations and near-future plans for the GTS in the Indian Ocean

- 2.2.1 Point-to-point & data-communication network links
- 2.2.2 Satellite-based data-collection & data-distribution systems
- 2.2.3 RTHs and NMCs

2.3 GTS operational procedures and practices

- 2.3.1 Routeing procedures, priorities and messages abbreviated headers
- 2.3.2 Procedures relevant to Tsunami Watch and Warnings, related Information and other Warnings

3 DISTRIBUTION OF TSUNAMI WARNING SYSTEM INFORMATION IN THE INDIAN OCEAN

3.1 Role and responsibilities of NMCs and NMHSs

The meeting will note the current role and responsibilities of NMCs and NMHSs, as national Focal points for receiving interim tsunami advisory information

3.2 Interim Tsunami Warning System in the Indian Ocean

- 3.2.1 Role of JMA/Tokyo Centre and of the Pacific Tsunami Warning Centre
- 3.2.2 GTS routeing and distribution of Tsunami Watch/Warning and information
- 3.2.3 Operational arrangements at NMCs for reception and follow-up action

The meeting will note Tsunami Watch/Warning and information that are issued by the JMA/Tokyo Centre and the Pacific Tsunami Warning Centre (Hawaii) in the framework of the Interim Tsunami Warning System in the Indian Ocean, and will review all the operational arrangements and procedures for the distribution of the relevant messages on the GTS including operational arrangements required at NMCs for ensuring reception and follow-up action with responsible national entities. The meeting may wish to review the format of the content of Tsunami Watch/Warning messages.

3.3 Development of the Tsunami Warning System in the Indian Ocean

The meeting will be informed of the status of development of the Tsunami Warning System in the Indian Ocean and may consider potential routeing arrangements for the international distribution of Tsunami warnings and advisories in the Indian Ocean.

4 EXCHANGE OF SEA LEVEL AND DEEP-SEA LEVEL TSUNAMETER DATA IN THE INDIAN OCEAN

4.1 Status of and plan for the deployment of sea level gauges and deep-sea level - tsunameter

The meeting will be informed of the status of and plan for the deployment of sea level gauges and deep-sea level sensors (Tsunameter) providing real-time data in the Indian Ocean.

4.2 GTS routeing and exchange of sea level and deep-sea level -tsunameter data in the Indian Ocean

4.2.1 Data collection arrangements for sea level and deep-sea level - tsunameter data

4.2.2 Detailed GTS routeing arrangements and procedures for exchange of sea level and deep-sea level - tsunameter data from the Indian Ocean

The meeting will review the operational arrangements for the collection of sea level and deep-sea level - tsunameter data and the operational arrangements and procedures for their exchange on the GTS.

4.3 Use of sea level and deep-sea level - tsunameter data

4.3.1 Data representation forms

4.3.2 Possible application software for visualization and use of sea level and deep-sea level - tsunameter data

The meeting will review the data representation forms that are recommended/used for sea level and deep-sea level - tsunameter data (e.g. CREX). Presentation will be made of available application software for visualization and use of sea level and deep-sea level - tsunameter data, including Tide tool and Tide View. Presentation of ODINAFRICA will also be made. A hand-on demonstration of the related PC-based application software will be provided.

5 EXCHANGE ON GTS OF SEISMIC DATA IN THE INDIAN OCEAN

5.1 Status of seismic information related to the Indian Ocean

The meeting will be informed of the status of near real-time seismic data related to the Indian Ocean.

5.2 GTS routeing and exchange of seismic data in the Indian Ocean

The meeting will review the operational arrangements and procedures for the exchange of seismic data (parametric form) on the GTS.

6 EXCHANGE ON GTS OF OTHER WARNINGS

6.1 RSMCs and other centres generating other warnings

The meeting will be informed of the status of WMO RSMCs and other centres generating other warnings and relevant information for the Indian Ocean.

6.2 GTS routeing and distribution of other warnings

The meeting will review the operational arrangements and procedures for the exchange of other warnings and relevant information on the GTS.

7 FUTURE DEVELOPMENT AND PLANNING

7.1 GTS development, planning and implementation

The meeting will be informed of the WMO bodies and groups that are ensuring the coordinated development, planning and implementation of the GTS. The meeting will also be informed of the WMO Information System (WIS) that will support the collection and sharing of information for all WMO and related international programmes. The WIS embeds the GTS for time-critical and operation-critical data, but will also provide an extension of information services through flexible data discovery, access and retrieval services.

7.2 IOTWS development, planning and implementation

The meeting will be informed of the IOC bodies and groups that are ensuring the coordinated development, planning and implementation of the IOTWS.