



World Meteorological Organization
Weather • Climate • Water




Intergovernmental Oceanographic Commission


**WMO-IOC Workshop on the GTS for effective Exchange of Tsunami Warnings,
related Information and other Warnings in the Indian Ocean
(sponsored by NOAA-NWS)
18-20 December 2007, Bangkok, Thailand**

Provisional Programme

18 December 2007

<p>9:30 9:30 10:00 10:30 10:45 15' 30'</p>	<p>A.M. Session 1: OPENING OF THE WORKSHOP</p> <ul style="list-style-type: none"> • Opening of the workshop • Coffee break • Election of the chairperson & session chairs, Adoption of the agenda, Working arrangements • Introductory presentations: <ul style="list-style-type: none"> ○ Objectives and outcome of the workshop (<i>J.-M. Rainer, WMO</i>) ○ Overview of end-to-end Tsunami Warning System and information exchange, from sea observations to watch and warnings messages (<i>T. Elliott, IOC</i>)
<p>11:30</p>	<p>A.M. Session 2: EFFECTIVE DATA EXCHANGE BY THE GLOBAL TELECOMMUNICATION SYSTEM: ORGANIZATION AND OPERATION</p> <ul style="list-style-type: none"> • Presentation of the WMO's World Weather Watch/Global Telecommunication System (GTS), its purpose, organization and structure (<i>J.-M. Rainer, WMO</i>)
<p>12:00</p>	
<p>13:00 13:00</p>	<p>P.M. Session 2 (continued): EFFECTIVE DATA EXCHANGE BY THE GLOBAL TELECOMMUNICATION SYSTEM: ORGANIZATION AND OPERATION</p> <ul style="list-style-type: none"> • Status of implementation, operations and near-future plans for the GTS in the Indian Ocean: <ol style="list-style-type: none"> 1. Overall presentation of the status of the GTS in the Indian Ocean (<i>H. Ichijo, JMA</i>)


19 December 2007

<p>9:00</p> <p>9:00</p>	<p>A.M. Session 3: DISTRIBUTION OF TSUNAMI WARNING SYSTEM INFORMATION IN THE INDIAN OCEAN</p> <ul style="list-style-type: none"> • Presentation of role and responsibilities of NMCs and NMHSs as national Focal points for receiving interim tsunami advisory information in the Indian Ocean (<i>T. Elliott, IOC/ICG-IOTWS Secretariat</i>)
<p>9:30</p>	<ul style="list-style-type: none"> • Presentation of the Interim Tsunami Warning System in the Indian Ocean and related GTS support: <ol style="list-style-type: none"> 1. Role of JMA/Tokyo Centre and of the Pacific Tsunami Warning Centre, including information and messages provided (<i>C. McCreery, PTWC & IOC expert</i>) 2. GTS routing and distribution of Tsunami Watch/Warning and information (<i>H. Ichijo, JMA</i>) 3. Operational arrangements at NMCs for ensuring reception and follow-up action, including interface with national entities (<i>L. Zerbib, La Réunion, MeteoFrance</i>) <p>(including 10:00 - 10:30 coffee break)</p>
<p>11:00</p>	<ul style="list-style-type: none"> • Presentation of the status of development of the Tsunami Warning System in the Indian Ocean (<i>T. Elliott, IOC/ICG-IOTWS secretariat</i>) • Discussion and Q & A
<p>12:00</p>	
<p>13:00</p> <p>13:00</p>	<p>P.M. Session 4: EXCHANGE OF SEA LEVEL AND DEEP-SEA LEVEL - TSUNAMETER DATA IN THE INDIAN OCEAN</p> <ul style="list-style-type: none"> • Presentation of status of and plan for the deployment of sea level gauges and deep-sea level sensors (tsunameter) (<i>U. Wolf, IOC HQ, Paris</i>)

Workshop on the GTS for effective Exchange of Tsunami Warnings,
related Information and other Warning in the Indian Ocean

<p>13:30</p>	<ul style="list-style-type: none"> • GTS routing and exchange of sea level and deep-sea level - tsunameter data in the Indian Ocean: <ol style="list-style-type: none"> 1. Data collection arrangements for sea level and deep-sea level -tsunameter data (<i>IOC and other experts</i>) <ul style="list-style-type: none"> • Tidal/Tsunami Data Collection using MTSAT-DCS (<i>H. Ichijo, JMA</i>) 2. Detailed GTS routing arrangements and procedures for exchange of sea level and deep-sea level -tsunameter data from the Indian Ocean (<i>K. Wong, BoM</i>) <ul style="list-style-type: none"> ○ Message abbreviated headers ○ Routing arrangements, including switching directories
<p>14:20 14:20 15:00 15:30</p>	<ul style="list-style-type: none"> • Use & form of sea level and deep-sea level -tsunameter data <ol style="list-style-type: none"> 1. Data representation forms (CREX) (<i>K. Wong, BoM & IOC expert</i>) 2. Presentation of application software for visualization and use of sea level and deep-sea level -tsunameter data <ul style="list-style-type: none"> ○ Tide tool and Tide view (<i>W. Burnett, NOAA-NWS</i>) ○ GLOSS Sea Level Monitoring Facility (<i>F. Hernandez, VLIZ, Belgium</i>) <p><i>Note: a hand-on demonstration of PC-based application software will be organized</i></p>
<p>17:00</p>	<ul style="list-style-type: none"> • Discussion and Q & A

20 December 2007

<p>9:00</p> <p>10:00</p>	<p>A.M. Session 5: EXCHANGE ON GTS OF SEISMIC DATA IN THE INDIAN OCEAN</p> <ul style="list-style-type: none"> • Presentation of status of seismic information related to the Indian Ocean (<i>U. Wolf, IOC HQ, Paris</i>) • GTS routing arrangements and procedures for exchange of seismic data (parametric form) (<i>K. Wong, BoM & RTH experts</i>) • Discussion and Q & A <p><i>Coffee break</i></p>
<p>10:30</p>	<p>A.M. Session 6: EXCHANGE ON GTS OF OTHER WARNINGS</p> <ul style="list-style-type: none"> • Presentation on other warnings issued by RSMCs and other centres • GTS routing and distribution of other warnings (<i>RTH experts</i>) • Discussion and Q & A
<p>12:00</p>	
<p>13:00</p> <p>15'</p> <p>20'</p> <p>20'</p>	<p>P.M. Session 7: FUTURE DEVELOPMENT AND PLANNING</p> <ul style="list-style-type: none"> • WMO governance and coordination for GTS implementation and planning (<i>Commission on Basic Systems, Regional Associations, Regional Working Groups on WWW Planning and Implementation</i>) (<i>J.-M. Rainer, WMO</i>) • Overview of the WMO Information System (<i>J.-M. Rainer, WMO</i>) • IOC governance and coordination for IO-TWS implementation and planning (<i>T. Elliott, IOC/ICG-IOTWS secretariat</i>)
<p>14:30</p>	<p>P.M. Closing Session</p>