

**UNESCO/IOC INTERNATIONAL TSUNAMI INFORMATION CENTRE
ITSU TRAINING PROGRAMME (ITP), 26 December 2007 to 5 January 2008**

PROVISIONAL AGENDA, ITP-Hawaii 2007 - Malaysia

Everyday, we will start at 0900 and finish between 1630 and 1700.

Wed, 26 December ITIC	Morning: Arrival, hotel check-in Afternoon: International and National Tsunami Warning and Mitigation Systems – Requirements & Implementations ICG/PTWS, ITIC, and PTWC: Organization & Operations
Thurs, 27 December Fri, 28 December Sat, 29 December PTWC	<i>Each day will be spent at PTWC where tsunami warning operations will be discussed. When alarms occur, participants will observe PTWC duty staff responding.</i> Malaysia Country presentation PTWC Standard Concept of Operation and Standard Operating Procedures as PTWS International Tsunami Warning Center as US National and Hawaii Local Tsunami Warning Center PTWC Operations: Staffing, standby, alarms, response PTWC Event Response: Seismic Instrumentation and techniques used for tsunami warning – Monitoring (network, data comms), Detection, Evaluation Methodologies for distant and local sources and magnitude estimation Sea Level Instrumentation used for tsunami warning - Tsunami Monitoring (network, data comms), Detection, Evaluation Methodologies using coastal and DART stations, Runup gauges, Tide Tool Tsunami Arrival Times calculations Tsunami modeling and modeling used by TWCs Message creation and dissemination methods, incl dedicated voice (international and Hawaii) Creating TWC Standard Operating Procedures (SOP) and Checklists Templates and examples of best practices.
Sun, 30 December	Free day
Mon, 31 December ITIC	Morning Summary and wrap-up for tsunami warning operations Afternoon: Free
Tues, 1 January	Free day
Wed, 2 January ITIC Oahu CD	Tsunami Emergency Response (TER) Concept of Operations and Response Plans Tsunami "End to End" Response Process Understanding and interpreting PTWC Bulletins - "Upstream" Process

Conducting public coastal evacuations - "Downstream" Process
 Communications Process
 Distinguishing the roles of government jurisdictions, non-government organizations (NGO's), private sector
 Distinguishing the roles of individual response agencies
 Tsunami Stakeholder Coordination Concept
 Using Civil Air Patrol for Tsunami Warning alert dissemination
 Drills and Exercises – What, Why, How, Evaluating and next steps
 Planning a Tsunami Exercise

*Visit City and County of Honolulu, Department of Emergency Management
 County Emergency Agency Responses to PTWC Tsunami Messages.*

Thurs, 3 January
 ITIC

Morning:
continuing from 2 January
 Warning Dissemination and Public Alerts: Communication technologies, Message Scheduling and Content – robustness, reliability, redundancy criteria for emergency communications – WMO GTS, EMWIN, Fax, Email, RANET, FM methods, Mobile phones, SMS, etc – Potential roles of the Media – Japan example

Afternoon:
 Tsunami and Seismology Science (as needed)
 Northwest Pacific Tsunami Advisory Center - Operations, Products, and Services

Fri, 4 January
 ITIC

Tsunami Mitigation – Education, Outreach, Mitigation, Countermeasures
 ITIC Awareness and Educational Materials
 Consideration of Tourism sectors, TsunamiReady programme
 Coastal Zone Planning and Public Policy
 Public Affairs and Media

Tools:
 Electronic Learning: TsunamiTeacher Resource Toolkit
 Historical Tsunami Databases (World Data Center (online), ITDB (offline))
 Real-time Earthquake Display (CISN)
 Real-time Sea level Monitoring (TideTool GTS/FTP, other URLs)
 Tsunami Travel Time Calculation (TTT, ITDB)

Roundtable discussion with PTWC and ITIC
 Summary Discussions and Closing

Fri, 5 January

Departure