

**NATIONAL REPORT**  
**Submitted by THAILAND**

**BASIC INFORMATION**

**1. ICG/IOTWS Tsunami National Contact (TNC)**

*The person designated by a Member State to an Intergovernmental Coordination Group (ICG) 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. 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.*

Name:	Gp.Capt.Sonsak KHAOSUWAN
Title:	Executive Director
Organization:	National Disaster Warning Center.
Postal Address:	Ministry of information and communication technology The Government complex, Building B, 6 <sup>th</sup> – 9 <sup>th</sup> floor CheangWattana Roads, Laksi, Bangkok 10210
E-mail Address:	khaosuwat@hotmail.com
Telephone Number:	66 2 142 1228
Fax Number:	66 2 143 8045
Cellular Telephone Number:	66 85 480 3495

**2. ICG/IOTWS Tsunami Warning Focal Point (TWFP)**

*The 7x24 contact person, or other official point of contact or address, is available at the national level for rapidly receiving and issuing tsunami event information (such as warnings). The Tsunami Warning Focal Point either is the emergency authority (civil defense or other designated agency responsible for public safety), or has the responsibility of notifying the emergency authority of the event characteristics (earthquake and/or tsunami), in accordance with national standard operating procedures. The Tsunami Warning Focal Point receives international tsunami warnings from the PTWC, the JMA NWPTAC, or other regional warning centres.*

Name:	Capt. Song Ekmahachai, RTN.
Title:	Captain.
Responsible Organization:	Acting Director, Warning and Dissemination section
Postal Address:	
E-mail Address:	
Emergency Telephone Number:	
Emergency Fax Number:	
Emergency Cellular Telephone Number:	

**National Tsunami Warning Centre (if different from the above)**

Person in Charge:	
Title:	
Responsible Organization:	
Postal Address:	
E-mail Address:	
Emergency Telephone Number:	
Emergency Fax Number:	
Emergency Cellular Telephone Number:	

### 3. Tsunami Advisor(s), if applicable

(Person, Committee or Agency managing Tsunami Mitigation in country)

Name:

Title:

Postal Address:

E-mail Address:

Emergency Telephone Number:

Emergency Fax Number:

Emergency Cellular Telephone Number:

### 4. Tsunami Standard Operating Procedures for a Local Tsunami (when a local tsunami hazard exists)

### 5. Tsunami Standard Operating Procedures for a Distant Tsunami (when a distant tsunami hazard exists)

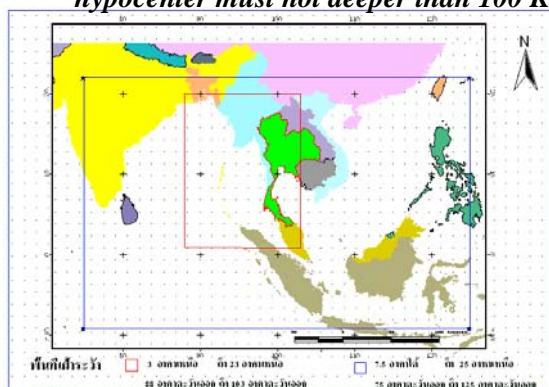
For each situation, please provide the following:

- What organization identifies and characterizes tsunamigenic events?

*National Disaster Warning Center by Warning and Dissemination section.*

- What is the threshold or criteria for declaring a potential tsunami emergency?

*When earthquake occurred in the sea and the magnitude more than 7.8 richter. The hypocenter must not deeper than 100 Kms.*



**Seismic awareness zones of Thailand tsunami preparedness**

**Zone1: Red Box (3°N – 23°N and 88°E – 103°E)**

Depth:	Hypocenter	
	<100 km	> 100 km
Magnitudes		
5.0 - 6.5 Richter	Do not generate tsunami Reporting	Do not generate tsunami Reporting
6.6 – 7.7 Richter	Potential to generate tsunami Watching (tracking more information)	Potential to generate tsunami Watching (tracking more information)
> 7.8 Richter	High tsunami potential Warning	Tsunami potential Watching (tracking more information)

**Zone 2: Blue Box (75°S – 25°N and 75°E – 125°E)**

Depth:	Hypocenter	
	<100 km	> 100 km
Magnitudes		
5.7 - 7.0 Richter	Do not generate tsunami Reporting (tracking more information)	Do not generate tsunami Reporting
> 7.1 Richter	Potential to generate tsunami Watching (tracking more information)	Potential to generate tsunami Watching (tracking more information)
	If no tsunami occurs, then status changed to Warning	If a tsunami occurs, then status changed to Warning

**Zone 3: Other areas not included in the Red and Blue Boxes**

Depth:	Hypocenter	
	<100 km	> 100 km
Magnitudes		
> 7.0 Richter	Have no impact on Thailand Reporting	Have no impact on Thailand Reporting

- What organization acts on the information provided by the agency responsible for characterizing the potential tsunami threat?

**DDPM. Department of Disaster prevention and Mitigation, Ministry of the interior.**

- How is the tsunami information (warning, public safety action, etc) disseminated within country? Who is it disseminated to?

**USING SMS, FAX, Email, Television, Warning Tower, Government Radio stations, call center 192,1860, Internet home page, Government Information Network (GIN).**

**We Disseminated to all the Government agencies, Central Government, Local Government, Rescue Units, Effected Communities, Publics.**

- How is the emergency situation terminated?

**For Tsunami, Wait for 2 Hours after the time that expected the last tsunami wave landed on the shore line in Thailand.**

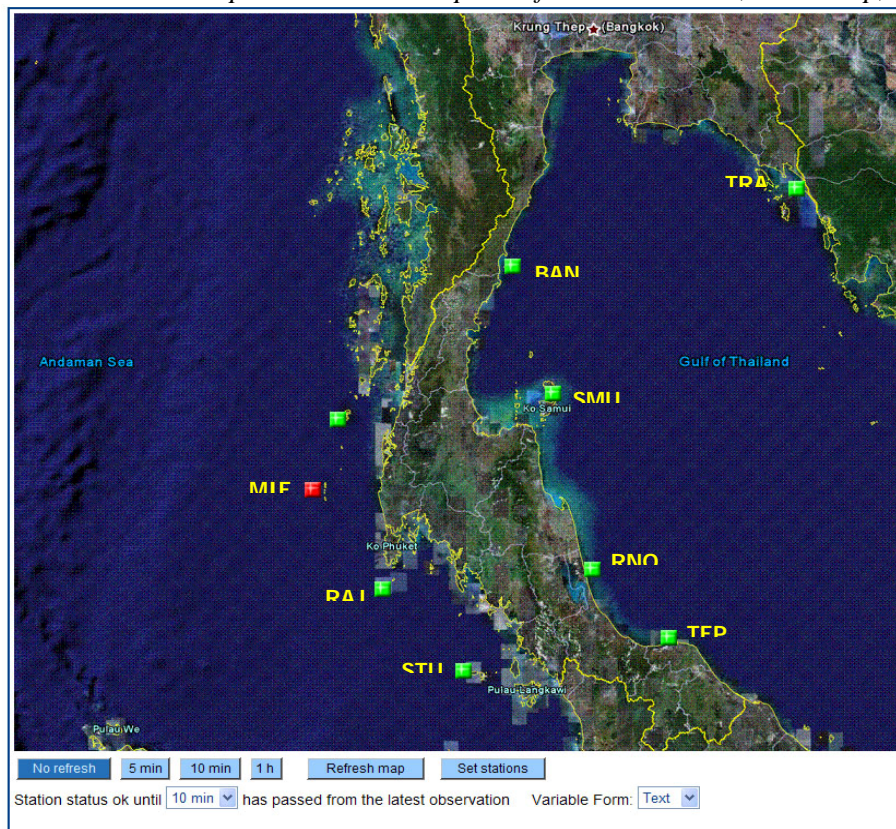
- For Distant Tsunami Procedures:

**What actions were taken in response to warnings issued by PTWC, and/or JMA NWPTAC during the intersessional period?**

**Verify if there effected the coastal area of Thailand, It must kick start the NDWC SOP.**

## 6. National Sea Level Network

Please include a table with position and description of stations/sensors, and a map,



NAME	Lat.	Long.	Sensor
STOK	09° 28.38' N	97° 54.30' E	Radar, PR ,PAA water level Sensor.
MIEN	08° 34.29'N	97° 38.36'E	Radar, PR water level Sensor.
RAJA	07° 29.36'N	98° 19.25'E	Radar, PR ,PAA water level Sensor.
STUN	06° 30.02'N	99° 10.79'E	Radar, PR water level Sensor.
TEPA	06° 57.73'N	100° 50.93'E	Radar, PR water level Sensor.
RNOD	07° 40.70'N	100° 23.70'E	Radar, PR water level Sensor.
SMUI	09° 32.29'N	99° 59.91'E	Radar, PR water level Sensor.
BANG	11° 12.38'N	99° 34.91'E	Radar, PR water level Sensor.
TRAD	11° 39.10'N	102° 54.46'E	Radar, PR water level Sensor.



7. **Information on Tsunami occurrences**

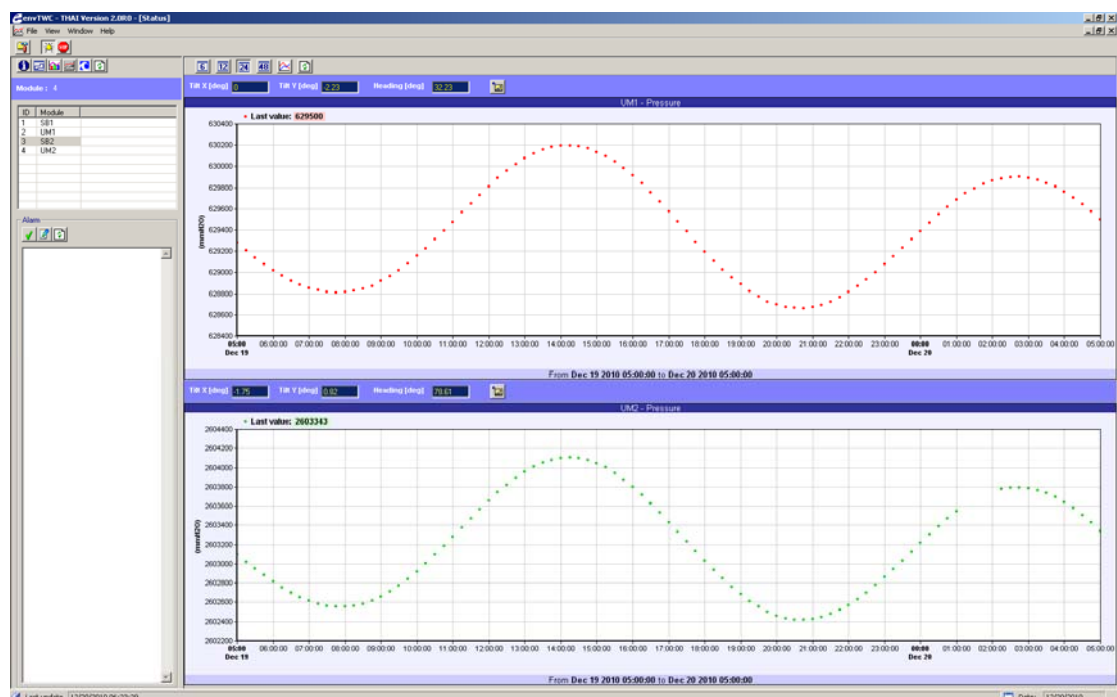
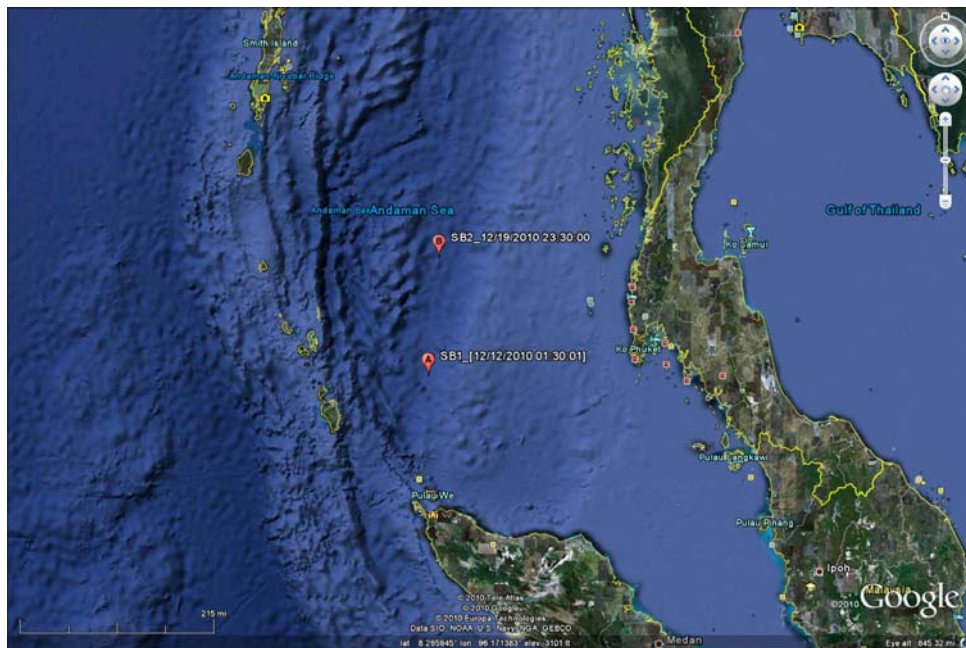
*Please include sea level observations, pictures, wave arrival descriptions, public, media, or other responses to warnings, lessons learned, etc.*

8. **Web sites (URLs) of national tsunami-related web sites**

*<http://www.ndwc.go.th/home/>*

9. **Summary plans of future tsunami warning and mitigation system improvements.** *This information will be used to aid the development of the IOWS Implementation Plan.*

*The importance data to confirm the tsunami generated in the sea is the deep ocean buoy which Thailand had already deployed 3 of them, one in the India Ocean, and two in the Andaman sea. The one in the India ocean was out of order because of the floating buoy was out of position but next month (May 2011) NDWC will reinstall it again, The new two buoy which was deployed last year (Dec 2010) are in the process of approval by the authorization and should be fully operate around the end of next month (Jun 2011).*



## **NATIONAL PROGRAMMES AND ACTIVITIES INFORMATION**

### **9. EXECUTIVE SUMMARY**

*Brief statement of no more than one page addressing all items discussed in the Narrative section of the National Report*

### **10. NARRATIVE**

*Detailed description of innovations or modifications to National tsunami warnings procedures or operations since last National Report, tsunami research projects, tsunami mitigation activities and best practices (especially in preparedness and emergency management), as well as public education programmes or other measures taken to heighten awareness of the tsunami hazard and risk.*

*The Master Plan of the multi-hazard early warning system in Thailand can be projected into four phases which include Phase I put emphasis on earthquake and tsunami warning system, Phase II put emphasis on flooding and landslide and preparedness and education program on earthquake and tsunami, Phase III put emphasis on storm, forest fire, drought, and pollution and preparedness and education program and establishment of regional disaster early warning network and Phase IV develop its plan to support initiatives of the Indian Ocean Rim Warning System and the Pacific Tsunami Warning System in conjunction with Indian Ocean Tsunami Warning System and Pacific Tsunami Warning System.*

*Now The operation section of National Disaster Warning Center have move to the new building which equips with new telephone numbers and new servers. The new contact numbers are*

*Phone: 66 2 399 1441,            66 2 399 0881 to 0884*

*Fax: 66 2 399 11 33*

*Email: **wds.ndwc@gmail.com**        (will change to new email later)*

*Since the warning facilities of NDWC has already established throughout the country such as 328 warning towers, 152 satellite warning units, 140 Sat-VHF relay station, 500 VHF link small towers, 1,500 special small radios. NDWC starts to use those facilities for flooding and landslide.*

Date: .....August 2011.....

.. Name: ...Capt.Song Ekmahachai, RTN.....