



Tenth meeting of the ICG/PTWS WG-SCS
28 & 30 September 2021, online

Future of the Task Team on the Establishment of a South China Sea Tsunami Advisory Center (TT-SCSTAC)

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History of the TT- SCSTAC

- At SCS-WG I, 2011 host by China, The SCS-WG proposed to create a Task Team to advise the WG on the establishment of a Regional Tsunami Warning Centre, with the Terms of Reference for the Task Teams can be developed at the next SCS-WG meeting for submission to the next session of the ICG/PTWS. No decisions or recommendations were made during this meeting.
- At SCS-WG II, 2012 host by Malaysia, the WG decided to establish a SCS-WG Task Team on the establishment of a Regional Tsunami Advisory Centre (SCSTAC), with Term of Reference of the TT as follows:

TERMS OF REFERENCE FOR TASK TEAM ON ESTABLISHMENT OF THE SOUTH CHINA SEA TSUNAMI ADVISORY CENTRE

Task team

Establishment of the SCS Tsunami Advisory Center (SCSTAC).

Purpose

Assist the SCS Working Group in establishment of the SCSTAC until it has the ability to provide operational service.

Mandate

Under the guidance of the ICG/PTWS-WG-SCS, the Task Team shall strengthen coordination and cooperation among the SCS countries to establish the SCSTAC:

1. Develop capability guidelines and performance indicators for the SCSTAC;
2. Explore ways for facilitating the sharing and exchange of data and relevant information necessary for the establishment of the SCSTAC;
3. Consult with National Tsunami Warning Focal Points of the SCS region to determine appropriate requirements for tsunami service/products;
4. Develop the SOP and the contents of tsunami advisory products for the SCSTAC;
5. Identify potential resource requirements for the establishment of the SCSTAC;
6. Keep contact with PTWC and NWPTAC (JMA) for guidance and assistance.

Membership

Representatives of Member States of the ICG/PTWS-WG-SCS (Brunei Darussalam, China, Cambodia, Indonesia, Malaysia, the Philippines, Singapore, Thailand and Vietnam) and invited experts; representatives of PTWC and NWPTAC (JMA); with Chairperson and Vice-chairperson to be elected.

Modus operandi

The Task Team will work mainly by correspondence, and prepare report for the SCS-WG meeting.

History of the TT- SCSTAC

- At ICG/PTWS XXV session, 2013 host by Russian Federation, the ICG/PTWS decided to establish a Task Team on Establishment of a South China Sea Tsunami Advisory Center of the Regional Working Group on the Tsunami Warning and Mitigation in the South China Sea. The WG met intra-sessionally during the session and elected Dr. Ye Yuang (China) as Chair of TT-SCSATC.

1st TT-SCSTAC meeting, 7 April 2014, Hong Kong, China

- Missions and duties of the SCSTAC
- Operational requirements (Resources)
- Performance indicators
- Types and criteria of the Operational products
 - Graphical and Text products
 - Criteria: urgency(ETA), ETH
- Telecommunication
- Working plans
 - Regional monitoring capability
 - Design of tsunami advisory products
 - Decision support system and forecasting skills

The SCSTAC Task Team made the following requests and recommendations to the SCSWG:

- Requests the SCS WG to develop an inventory of seismic and sea level stations in the South China Sea region that are available for the SCSTAC
- Recommends the SCS WG to encourage South China Sea Member States to share more seismic and sea level data with each other
- Proposed performance indicators for adoption by the SCS WG with indicator values to be defined by the Task Team before the end of 2014
- Recommends that SCSTAC advisory products should comprise text and a suite of graphical products including polygon forecast maps which should be in consistency with the PTWC new enhanced products to avoid potential confusion
- Recommends that the design of the SCSTAC advisory products and the definition of performance indicator values should be accomplished and submitted for consideration of the SCS WG by the end of 2014
- Dr Wandono (Indonesia) was elected to serve as vice-Chair of the Task Team
- Request the PTWC to nominate a representative to become actively involved in the activities of the Task Team

Ad-hoc TT-SCSTAC meeting, 11 February 2015, Jakarta, Indonesia

The TT chair reported on the *Draft Plan on Tsunami Advisory Products for the South China Sea Tsunami Warning and Mitigation System*, and on the establishment of a South China Sea Tsunami Advisory Center: Requirement and Implementation Plan, which was accepted by the SCS-WG IV meeting.

2nd TT-SCSTAC meeting, 24 – 26 October 2016, Beijing, China

- The Task Team decided to make a recommendation to the Sixth session of the WG-SCS on the endorsement of Trial and Full Operation of South China Sea Tsunami Advisory Centre. If accepted, that recommendation should be forwarded to the Twenty-seventh Session of the Intergovernmental Coordination Group for the Pacific Tsunami Warning and Mitigation System (ICG/PTWS-XXVII) , 28 - 31 March 2017, Tahiti, French Polynesia.
- Dr Ye Yuan reported on these actions through document Review of Recommendations and actions arising from TT_SCSTAC, indicating that all recommended actions above have been implemented.

3rd TT-SCSTAC meeting, 5 March 2018, Hanoi, Viet Nam

- Chaired by Dr. Ye Yuan, with participation of China, Indonesia, Malaysia, the Philippines, Viet Nam and NWPTAC
- Dr. Wilfried STRAUCH, chairperson of ICG/PTWS presented and addressed the meeting
- Agenda
 - REVIEW OF TASK TEAM ToRs AND MEMBERSHIP
 - SCSTAC TSUNAMI ADVISORY PRODUCTS
 - ARRANGEMENT FOR SCSTAC TRIAL OPERATION
 - REVIEW OF SEISMIC EVENTS IN 2017 WITHIN SCS REGION
 - SCSTAC OPERATION AND PRODUCTS DISSEMINATION
 - DURATION OF SCSTAC TRIAL PERIOD
 - PACWAVE 2018 FOR THE WG-SCS
 - SOUTH CHINA SEA TSUNAMI SOP TRAINING WORKSHOP IN 2018
- Minutes of TT-SCSTAC

Renewed ToR

- **Task team:** Establishment of the SCS Tsunami Advisory Center (SCSTAC)
- **Purpose:** Assist the SCS Working Group to provide guidance for the SCSTAC's operational service
- **Membership:** Representatives of Member States of the ICG/PTWS WG-SCS (Brunei Darussalam, China, Cambodia, Indonesia, Malaysia, the Philippines, Singapore, Thailand and Vietnam) and invited experts; representatives of PTWC and NWPTAC (JMA).

Terms of Reference

Regional Working Group on Tsunami Warning and Mitigation in the South China Sea Region Task Team on Establishment of a South China Sea Tsunami Advisory Center

1. Evaluate and report on performance indicators for the SCSTAC.
2. Explore ways for facilitating the sharing and exchange of data, tsunami warning technologies and relevant information necessary for further enhancing tsunami warning advisory capability of the SCSTAC.
3. Consult with National Tsunami Warning Focal Points of the WG-SCS Member States for their latest requirements on Tsunami service/products.
4. Review and continue to improve the SOP and the contents of tsunami advisory products following the full operation of the SCSTAC.
5. Keep contact with PTWC and NWPTAC (JMA) for coordination, consistency, guidance and assistance.

Membership: Representatives of Member States of the ICG/PTWS WG-SCS (Brunei Darussalam, China, Cambodia, Indonesia, Malaysia, the Philippines, Singapore, Thailand and Vietnam) and invited experts; representatives of PTWC and NWPTAC (JMA); with Chair and Vice-Chair to be elected by the ICG.

Recommendation

Dissolve the Task Team on Establishment of a South China Sea Tsunami Advisory Center noting that the South China Sea Tsunami Advisory Center has been in full / official operation since November 5th, 2019 and the purpose of the Task Team has been completed successfully.

Establish a Regional Working Group on Tsunami Warning and Mitigation in the South China Sea Region Task Team on Capacity Development and Information Exchange.

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Terms of Reference

Regional Working Group on Tsunami Warning and Mitigation in the South China Sea Region Task Team on Capacity Development and Information Exchange

- 1.To coordinate training workshops and other technical exchanges on topics related to earthquake and tsunami for enhancing the tsunami warning capabilities of the WG-SCS Member States.
- 2.To facilitate implementation of the International Staff Programme for short-term secondment of staff from WG-SCS Member States to SCSTAC on an annual basis.
- 3.To explore ways for furthering the sharing and exchange of relevant data and information in the South China Sea region.
- 4.To ascertain the latest requirements of WG-SCS Member States for tsunami advisory service provided by SCSTAC.

Membership: Representatives of Member States of the ICG/PTWS WG-SCS (Brunei Darussalam, China, Cambodia, Indonesia, Malaysia, the Philippines, Singapore, Thailand and Vietnam) and invited experts; representatives of PTWC and NWPTAC (JMA); with Chair and Vice-Chair to be elected either by the WG-SCS or the ICG/PTWS.



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Thank You!

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