

1 June 2023

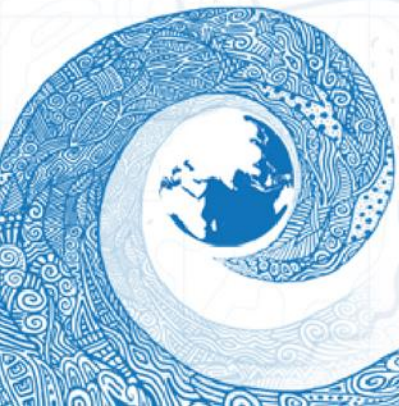
*IOTWMS Member State Preparation Meeting for  
Standard Operating Procedure Workshop*



# **Briefing on IOTWMS Communications Test: 7 June 2023**

*Nora Gale, Karyono, Rick Bailey*

**Acknowledgement:**  
***Working Group 2 on Tsunami Detection, Warning, and Dissemination***



# Working Group 2 on Tsunami Warning, Detection, and Dissemination

**One Activity:** Contribute to the conduct of regular exercises and communication tests of the IOTWMS. The communications tests are held twice a year in June and December.

**Chair:** Dr Karyono (Indonesia)

**Vice-Chair:** Dr Robert Greenwood (Australia)

**Vice-Chair:** Mr Jijjavarapu Padmanabham (India)

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- Ms Adriene Moseley (Australia)
- Mr Nagaraja Kumar Masuluri (India)
- Mr Iman Fatchurachman (Indonesia)
- Mr Urip Setiyono (Indonesia)
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- Mr Ameer Hyder (Paksitan)



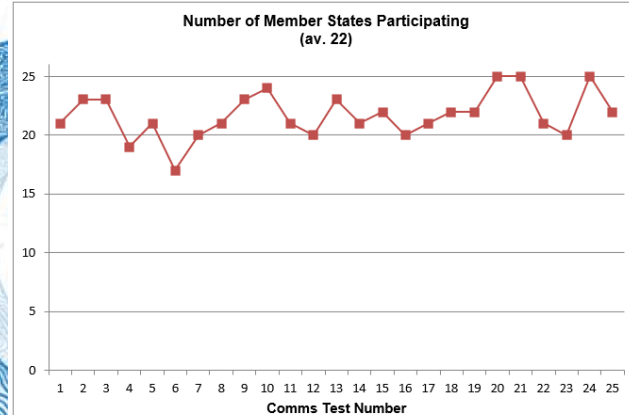
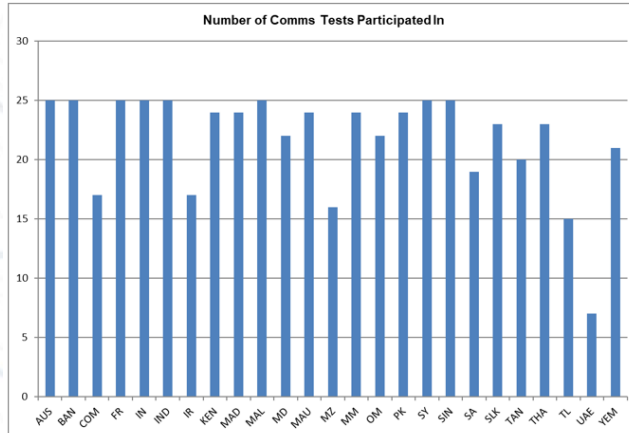
**WG2 Meeting, 5-6 April 2023**

# Objectives of Communications Tests

- a. Validate the TSP dissemination processes for tsunami bulletin notification messages to NTWCs,
- b. Validate the reception of the notification messages by NTWCs,
- c. Validate the access by NTWCs to TSP password-protected websites containing bulletins, threat maps and tables of arrival times and maximum wave amplitudes relating to the tsunami scenario chosen for the test,
- d. Validate the reporting by NTWCs of national warning status information back to TSPs, via a web-based warning status report form.



# Previous Comms Tests



Test Number	Date	Status
1	16 March 2011	Conducted
2	15 June 2011	Conducted
3	14 September 2011	Conducted
4	14 December 2011	Conducted
5	13 June 2012	Conducted
6	12 December 2012	Conducted
7	12 June 2013	Conducted
8	11 December 2013	Conducted
9	11 June 2014	Conducted
10	10 December 2014	Conducted
11	10 June 2015	Conducted
12	9 December 2015	Conducted
13	8 June 2016	Conducted
14	14 December 2016	Conducted
15	14 June 2017	Conducted
16	13 December 2017	Conducted
17	13 June 2018	Conducted
18	12 December 2018	Conducted
19	12 June 2019	Conducted
20	11 December 2019	Conducted
21	10 June 2020	Conducted
22	9 June 2021	Conducted
23	8 December 2021	Conducted
24	8 June 2022	Conducted
25	7 December 2022	Conducted

# 26<sup>th</sup> Comms Test on 7 June 2023

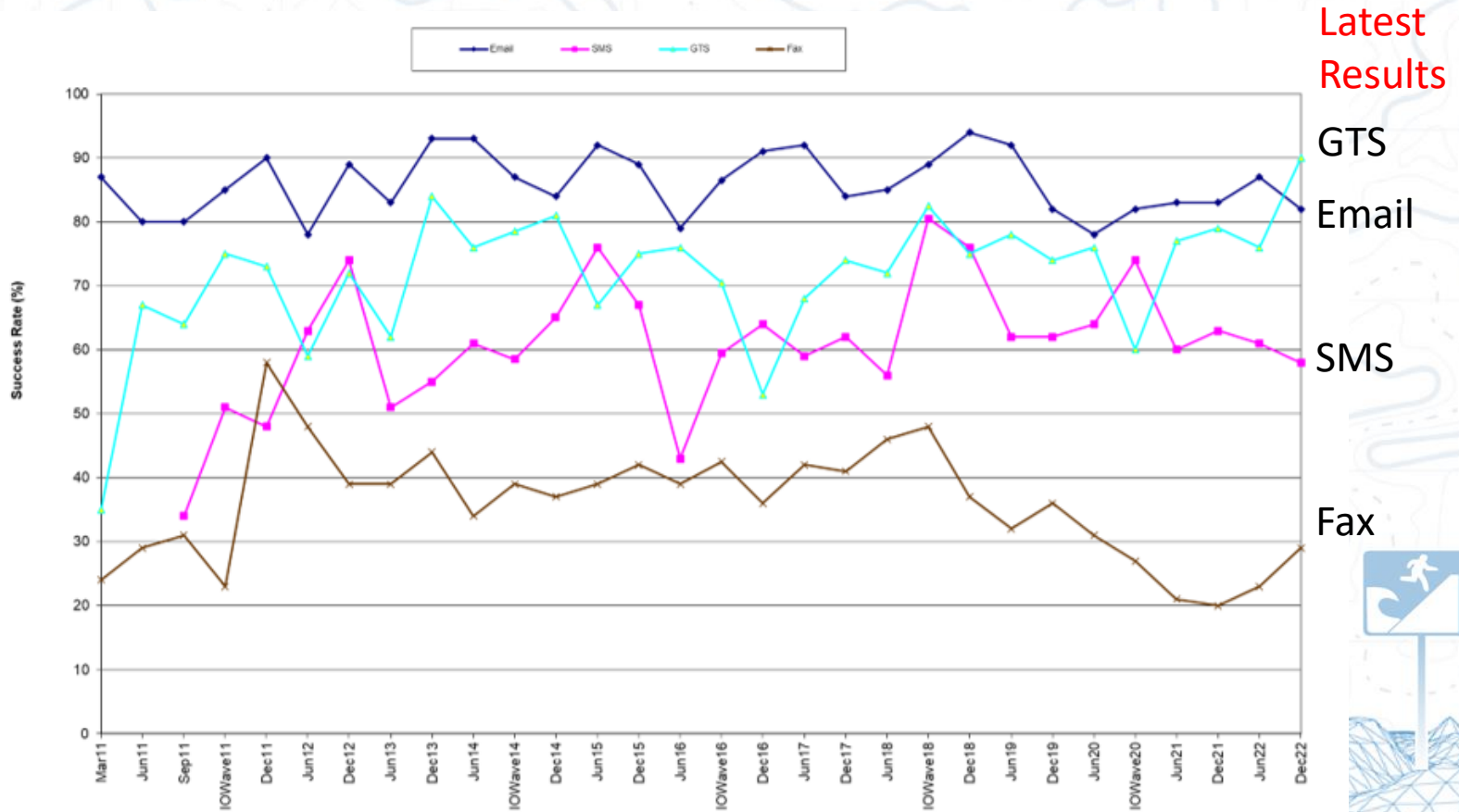
- Magnitude: 9.0 Mwp
- Depth: 10 km
- Date: 7 June 2023
- Origin Time: 06:00 UTC
- Latitude: 7.20N
- Longitude: 92.90E
- Location: Nicobar Islands, India Region

- There are 3 Tsunami Service Providers (TSPs): Australia, India, and Indonesia.
- Notification messages are sent via GTS, email, SMS, and Fax.
- TSP bulletins and products made available on the Tsunami Service Provider password-protected websites.
- This is only for National Tsunami Warning access.

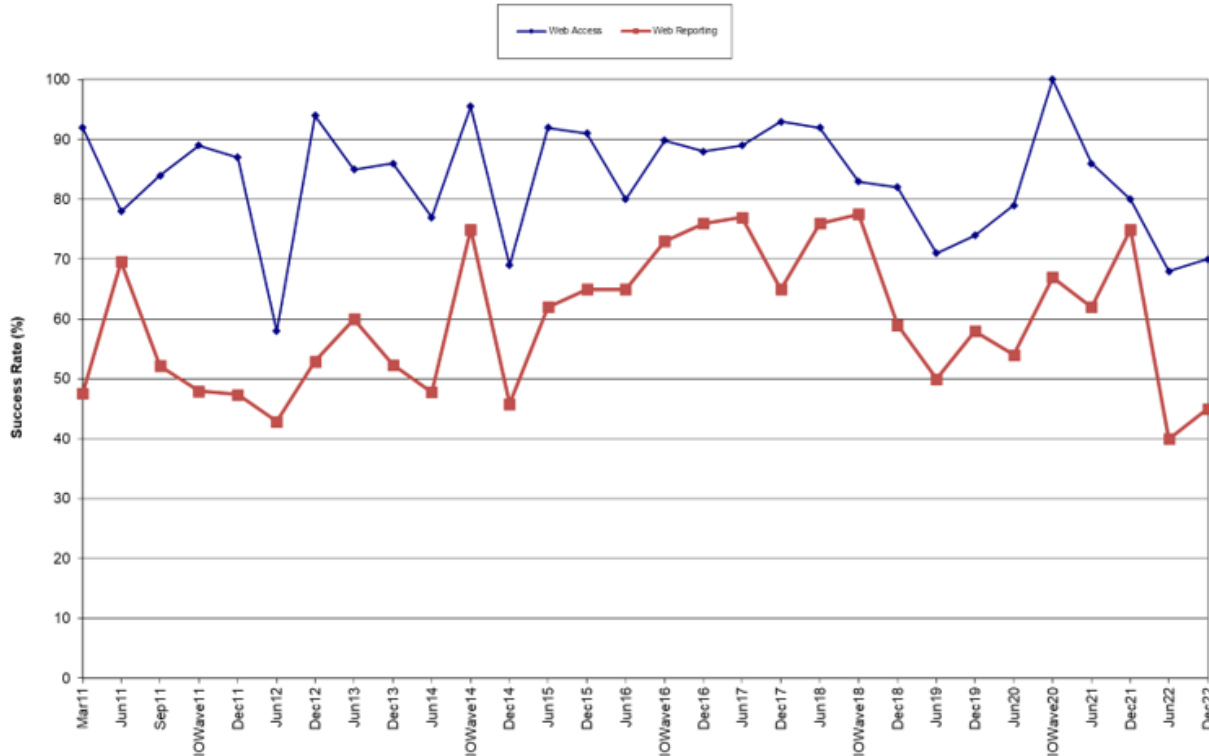
IOTWMS TSP	Test Start	Message 1	Message 2	Message 3	Message 4
Australia	06:00	06:05	06:15	06:30	06:45
India	06:00	06:05	06:15	06:30	06:45
Indonesia	06:00	06:05	06:15	06:30	06:45



# Delivery Success Rates – Comms Tests & Exercises



# NTWC Access to TPS Websites and Status Reporting Rates – Comms Tests & Exercises



Web Access

Web Reporting



# NTWC Status Reporting

For Notification Messages 2, 3 and 4 from **one TSP only**, report the NTWC warning status as if the NTWC was actually issuing warnings for their country for this event, **and log the time the report was made**.

A link to the reporting form is on each TSP website. Please choose **one TSP website only** and log the success or otherwise of the reporting process after receipt of messages **2, 3 and 4 only from that TSP**.





# Country Status Reports after Bulletin 3

France (Indian Ocean Territories)	India	Indonesia	Iran
Kenya	Madagascar	Malaysia	Maldives
Mauritius	Mozambique	Myanmar	Oman
Pakistan	Seychelles	Singapore	Somalia
South Africa	Sri Lanka	Tanzania	Thailand
Timor-Leste	UAE	UK (Indian Ocean Territories)	Yemen

Legend: Unknown Level 0 Level 1 Level 2 Level 3 Cancel

**@ Earthquakes**

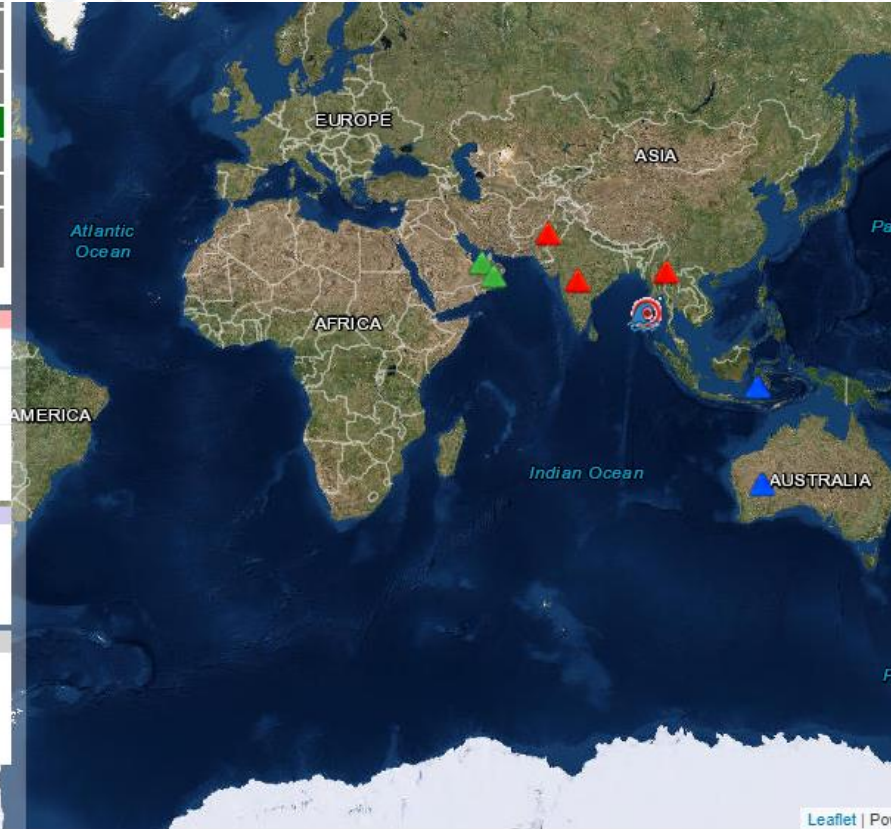
Event	Date	Mag.	Location
1	19:24 UTC 04 December 2022	6.7	Samoa Islands Region
2	06:00 UTC 07 December 2022	9.0	ANDAMAN ISLANDS, INDIA REGION *** TEST EVENT ***

**Tsunami Wave Observations**

#	Location	MAX	Date	Ev.
1	Port Blair	3.10m	06:15 UTC 07 Dec	2

**National Tsunami Warning Centres**

[Australia](#) [Bangladesh](#) [France \(Indian Ocean Territories\)](#) [India](#) [Indonesia](#) [Kenya](#) [Madagascar](#) [Malaysia](#) [Maldives](#) [Mauritius](#) [Mozambique](#) [Myanmar](#) [Oman](#) [Pakistan](#) [Seychelles](#) [Singapore](#) [Sri Lanka](#) [Tanzania](#) [Thailand](#) [Timor Leste](#) [UAE](#)





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# Thank you.

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