



Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS)

Working Group 2 on Tsunami Detection, Warning and Dissemination

Report on the IOTWMS Communications Test 10 June 2020

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1	PURPOSE	3
2	BACKGROUND	3
3	TEST DETAILS	4
4	TEST PARTICIPATION	4
	TABLE 1: LOG OF MEMBER STATE PARTICIPATION IN ALL TESTS.....	5
	CHART 1: NUMBER OF TESTS PARTICIPATED IN BY MEMBER STATE	6
	CHART 2: NUMBER OF MEMBER STATES IN EACH TEST	6
5	MESSAGE DISSEMINATION AND RECEPTION RESULTS	7
5.1	MESSAGE DISSEMINATION	7
	TABLE 2: TSP TEST MESSAGE ISSUE TIMES (UTC).....	7
5.2	MESSAGE RECEPTION	7
5.2.1	<i>GTS</i>	7
5.2.2	<i>Fax</i>	7
5.2.3	<i>Email</i>	8
5.2.4	<i>SMS</i>	8
5.3	SUMMARY OF MESSAGE RECEPTION FINDINGS	8
6	WEB ACCESS AND REPORTING RESULTS	8
6.1	WEB ACCESS.....	9
6.2	WEB REPORTING.....	9
7	RESULTS ASSESSED AGAINST OBJECTIVES	9
7.1	VALIDATE TSP DISSEMINATION PROCESSES FOR TSUNAMI BULLETIN NOTIFICATION MESSAGES	9
7.2	VALIDATE RECEPTION OF NOTIFICATION MESSAGES BY NTWCs	9
7.3	VALIDATE ACCESS BY NTWCs TO TSP PASSWORD-PROTECTED WEB SITES	9
7.4	VALIDATE REPORTING BY NTWCs OF NATIONAL WARNING STATUS INFORMATION	9
8	COMPARISON WITH PREVIOUS TESTS	9
	TABLE 3: TEST RESULTS COMPARISON	11
	CHART 3: MESSAGE DELIVERY SUCCESS RATES	14
	CHART 4: WEB ACCESS AND STATUS REPORTING SUCCESS RATES.....	14
9	SUMMARY OF ISSUES ARISING	15
	TABLE 4: SUMMARY OF ISSUES ARISING	15

10 APPENDICES.....	17
<i>Appendix A: GTS Messages Received by each NTWC</i>	<i>17</i>
<i>Appendix B: Fax Messages Received by each NTWC.....</i>	<i>18</i>
<i>Appendix C: Email Messages Received by each NTWC.....</i>	<i>19</i>
<i>Appendix D: SMS Messages Received by each NTWC.....</i>	<i>20</i>
<i>Appendix E: Web Accesses by each NTWC.....</i>	<i>21</i>
<i>Appendix F: Web Status Reports lodged by each NTWC.....</i>	<i>22</i>
FIGURE 1: TSP INDIA NTWC STATUS DISPLAY WEBPAGE AFTER 1 ST TEST MESSAGE	23
FIGURE 2A: TSP INDIA NTWC STATUS DISPLAY WEBPAGE AFTER 2 ND TEST MESSAGE	24
FIGURE 3A: TSP INDIA NTWC STATUS DISPLAY WEBPAGE AFTER 3 RD TEST MESSAGE	26
FIGURE 3B: TSP AUSTRALIA PUBLIC WEBPAGE AFTER 3 RD TEST MESSAGE	27
FIGURE 4A: TSP INDIA NTWC STATUS DISPLAY WEBPAGE AFTER 4 TH TEST MESSAGE (FINAL)	28
FIGURE 4B: TSP AUSTRALIA PUBLIC WEBPAGE AFTER 4 TH TEST MESSAGE (FINAL).....	29
<i>Appendix G: Test Messages Transmitted by each TSP.....</i>	<i>30</i>

1 PURPOSE

To report on the IOTWMS Communications Test conducted on 10 June 2020.

2 BACKGROUND

Working Group 2 (WG2) of the Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS), at its meeting in Hyderabad, India on 10-11 February 2011, decided that regular communications tests should be conducted between the Tsunami Service Providers (TSPs) and the National Tsunami Warning Centres (NTWCs) of the IOTWMS.

The objectives of the communications tests are to:

- a. Validate the TSP processes for disseminating 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 web sites containing bulletins, threat maps and tables of predicted arrival times and maximum wave amplitudes in real time.
- d. Validate the reporting by NTWCs of national warning status information back to TSPs, via a web-based warning status report form.

Four tests were conducted in 2011, and two tests have been conducted each year since - this is the report of the twenty first test on 10 June 2020. All test reports are available on the IOC website at <http://www.ioc-tsunami.org/>. The next test was scheduled for 9 December 2020, but is now cancelled due to close proximity to Exercise IOWave20 which was held on 6-20 October 2020. Below is the test schedule:

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 December 2020	Cancelled

Notes:

- a. In the 2011 tests TSPs issued 12 messages each within a 3-hour period. Since 2012 the TSPs have issued 4 messages each within a 45-minute period.
- b. In addition to the communication tests, four IOTWMS exercises have been conducted since 2011:
 - IOWave11 (12 October 2011)
 - IOWave14 (9-10 September 2014)
 - IOWave16 (7-8 September 2016)
 - IOWave18 (4-5 September 2018)
- c. The next IOTWMS exercise, IOWave20, was planned for 6-20 October 2020 and has been completed at the time of this report.

3 TEST DETAILS

The details of the procedures used in the 10 June 2020 test are described in the document "IOTWMS Communications Test 10 June 2020 Technical Manual" distributed to NTWCs and TSPs by the ICG/IOTWMS Secretariat on 14 May 2020.

Test Earthquake Event Scenario:

Magnitude: 9.0 Mwp
Depth: 10 km
Date: 10 June 2020
Origin Time: 06:00 UTC
Latitude: 7.20N
Longitude: 92.90E
Location: Nicobar Islands, Indian region

As in previous tests, each participating country was requested to complete a Communications Test Log during the test, recording the time and method of reception of test messages at the NTWC, the NTWC's ability to access the TSP websites, and the time of the NTWC's reporting of national warning status information. For the first time, the Test Log was available for completion online. The Test Logs are the primary source of information for this report and are now archived in SurveyGismo.

4 TEST PARTICIPATION

Twenty-six (26) IOTWMS Member States participated in the test. This is the equal highest participation to that of 11 December 2019. The average participation rate is 22 across the 21 tests conducted so far. The lowest participation rate has been 17 participants.

The participants in this test were:

- TSPs - Australia, India, Indonesia
- NTWCs – Australia, Bangladesh, Comoros, France (Indian Ocean Territories), India, Indonesia, Iran, Kenya, Madagascar, Malaysia, Maldives, Mauritius, Mozambique, Myanmar, Oman, Pakistan, Seychelles, Singapore, South Africa, Sri Lanka, Tanzania, Thailand, Timor Leste, United Arab Emirates, United Kingdom (Indian Ocean Territories) and Yemen.

All active Member States participated in the communications test.

Table 1, Chart 1 and Chart 2 show the participation by Member States in all tests conducted so far.

Table 1: Log of Member State Participation in all Tests

Test	AUS	BAN	COM	FR	IN	IND	IR	KEN	MAD	MAL	MD	MAU	MZ	MM	OM	PK	SY	SIN	SA	SLK	TAN	THA	TL	UAE	UK	YEM	Total
1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1			1	21
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1			1	23
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1			1	23
4	1	1	0	1	1	1	0	1	1	1	0	1	1	1	1	0	1	1	0	1	1	1	1			1	19
5	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1			1	21
6	1	1	0	1	1	1	0	1	1	1	1	0	1	1	0	1	1	1	0	1	0	0	1			1	17
7	1	1	0	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1			1	20
8	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0			1	21
9	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			1	23
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			1	24
11	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1			0	21
12	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	0	1	1			0	20
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0			1	23
14	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0			1	21
15	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1			1	22
16	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	0			0	20
17	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0			0	21
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1			1	22
19	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1		1	22
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	26
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	26
Total	21	21	14	21	21	21	15	20	20	21	20	20	14	20	18	20	21	21	15	19	17	20	14	3	2	17	Av: 22

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, IRA=Iran, KN=Kenya, MAD=Madagascar, MAL=Malaysia, MD=Maldives, MAU=Mauritius, MZ=Mozambique, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, TAN=Tanzania, THA=Thailand, TL=Timor-Leste, UAE=United Arab Emirates, UK=United Kingdom (Indian Ocean Territories), YEM=Yemen

1=Participated in test, 0=did not participate

Chart 1: Number of Tests Participated in by Member State

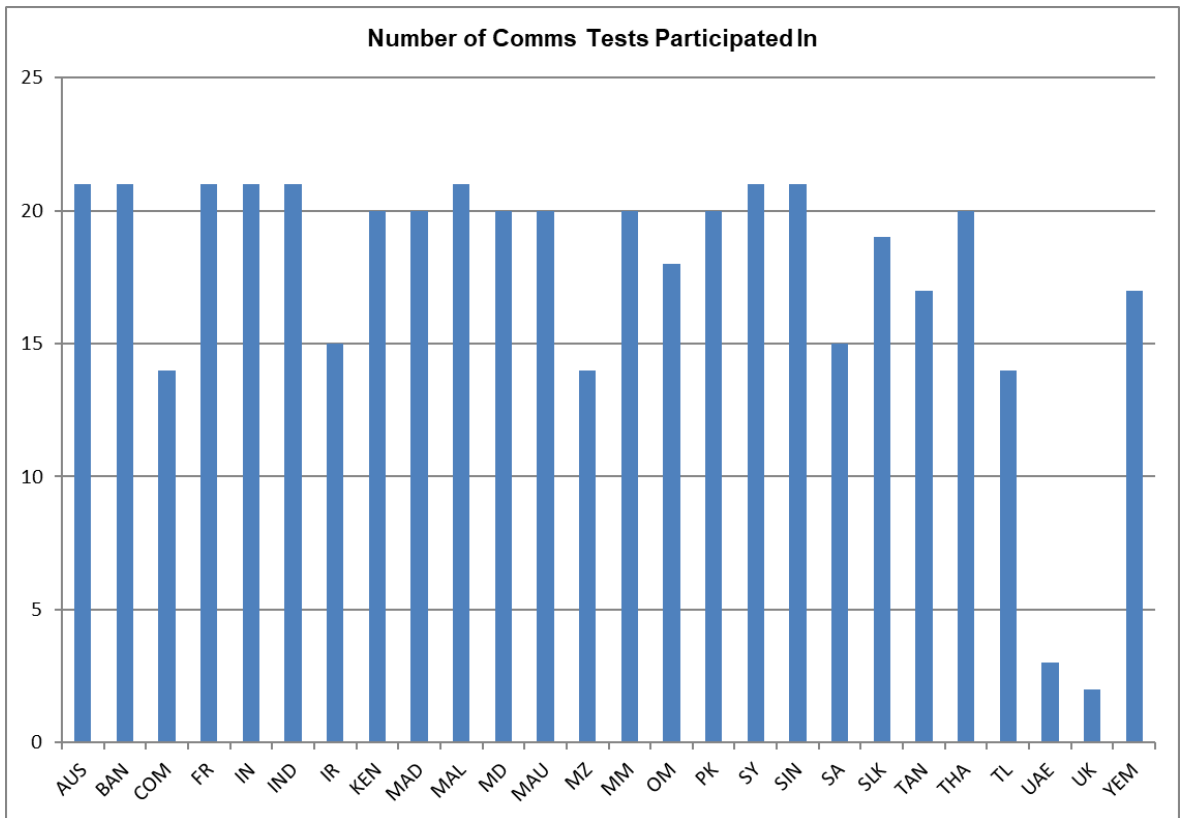
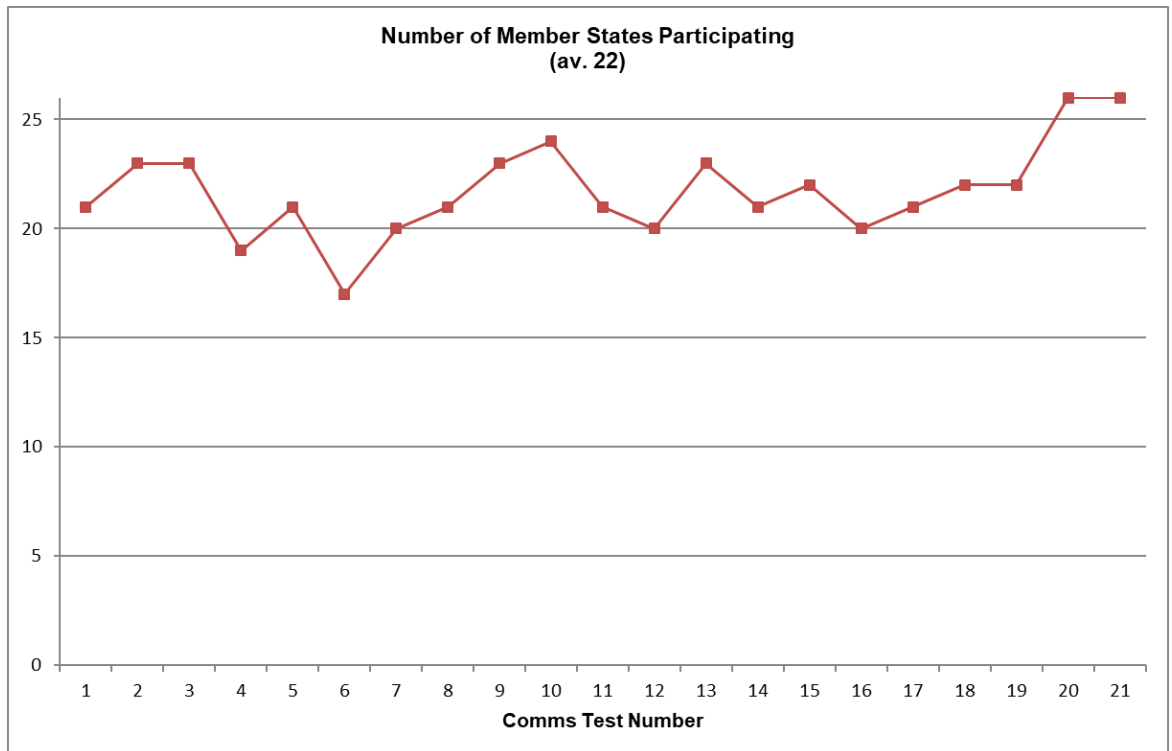


Chart 2: Number of Member States in Each Test



5 MESSAGE DISSEMINATION AND RECEPTION RESULTS

5.1 Message Dissemination

Dissemination Media: All TSPs issued their test messages via GTS, email, fax and SMS.

Issue Times: See Table 2 for the actual issue times of each TSP message compared to the scheduled issue times.

Table 2: TSP Test Message Issue Times (UTC)

TSP	Test Start 0600	Message 1 0605	Message 2 0615	Message 3 0630	Message 4 0645
Australia	06:00	06:05	06:15	06:30	06:45
India	06:00	06:06	06:19	06:30	06:45
Indonesia	05:57	06:06	06:16	06:31	06:45

Addresses: The NTWC fax, email and SMS addresses used by the TSPs were those contained in updates to the IOTWMS NTWC Contact Databases supplied to the TSPs by the ICG/IOTWMS Secretariat on 13 November 2019.

All messages sent by the TSPs are given in Appendix H.

5.2 Message Reception

Refer to Appendices A, B, C and D for tables listing the arrival times of the GTS, fax, email and SMS messages received by each NTWC, as reported in their Test Logs. Also refer to Table 3 and Chart 3 for summary figures across all NTWCs.

5.2.1 GTS

The overall GTS reception rate was 76%, which was higher than around the average rate over the past six tests.

Twenty- one (21) of the 26 NTWCs received GTS messages. Bangladesh, Comoros, Iran, Madagascar and Yemen did not receive GTS messages from any TSP (noting that Madagascar have no GTS connection), while Thailand didn't receive any GTS messages from TSP Australia. Myanmar received only start-up messages from TSP India and TSP Indonesia. All other NTWCs, received GTS messages from all 3 TSPs. Based on the feedback received from World Meteorological Organization (WMO), Iran received GTS messages from all TSPs at the Global Information System Centre (GISC), Tehran located at the I.R. of Iran Meteorological Organisation (IRIMO). An appropriate arrangement needs to be worked out between IRIMO and INIOAS to receive these messages at INIOAS (NTWC).

GTS message delay times continued to be low in this test, with most messages received within 1-3 minutes of issuing. The longest delay was 38 minutes for Myanmar to receive one TSP Australia message.

5.2.2 Fax

The overall fax reception rate was 31%, lowest since 2012 communication tests and the long-term average of around 40%.

Only 17 of the 26 NTWCs reported receiving fax messages, with TSP Australia's messages being received by 15 NTWCs, India's by 11 NTWCs and Indonesia's by 5 NTWCs.

Fax message delay times mostly varied between a few minutes and 15 minutes, with the longest delay being 95 minutes for a TSP India message received by UAE.

5.2.3 Email

The overall email reception rate in this test was 78%, the lowest in all tests and IOWave exercises, and below the average across those of around 89%. Twenty-four (24) of the 26 NTWCs received Email notifications. United Kingdom and Yemen did not receive Emails from any TSP. Emails from TSP India were received 24 NTWCs, emails from TSP Australia were received 23 NTWCs and TSP Indonesia were received by 26 NTWCs.

Email message delay times continue to be very low, with almost all email messages received within 1 to 3 minutes of the issue time. The longest delay was 15minutes.

5.2.4 SMS

The overall SMS message reception rate in this test was 64%, highest than the last 2 tests but well under the 76% and 80% in the earlier test and IOWave18 exercise. However, this was close to the average rate across the previous few years.

In this test 22 of the 26 NTWCs received SMS messages, France, Timor Leste, UK and Yemen did not receive SMS messages from any TSP. As in the previous test Comoros did not receive any SMS messages and France (Indian Ocean Territories) does not wish to receive SMS messages. Thailand and UK (Indian Ocean Territories) also received no SMS messages, but Myanmar and UAE received SMS messages after having received none in the previous test.

TSP Australia's SMS messages were received by 19 of the 26 NTWCs, and TSP India's were received by 18 and TSP Indonesia's were received by 17 NTWCs.

As with email, most SMS messages were received very quickly, typically within 1 to 3 minutes. The longest delay was 34 minutes for a message received by South Africa.

5.3 Summary of Message Reception Findings

1. Email continues to be the most successful communications medium, with 78 % of the TSP email messages being received by NTWCs in this test. However, the email reception rate is the lowest in all tests.
2. GTS message reception at 76% was a little up on the previous test and remains the second-most successful delivery medium.
3. SMS message stayed at 64% in this test, around the average for the previous few years but well below its highest-ever 80% figure for the IOWave18 exercise.
4. Fax message reception was very low at 31% in this test, compared with its long-term average of around 40%.

6 WEB ACCESS AND REPORTING RESULTS

Refer to Table 3 and Chart 4 for summary figures of web access and reporting across all NTWCs.

6.1 Web Access

Refer to Appendix E for a table of web accesses reported by each NTWC. In this test the web access overall success rate was 79%, up 5% from the 74% in the previous test. This is still under the highest-ever rate of 94%.

Twenty-four (24) of the 26 NTWCs were able to access at least one TSP website during the test, compared with 22 of 26 in the previous test. UK (Indian Ocean Territories) and Yemen did not access any of the TSP websites.

6.2 Web Reporting

Refer to Appendix F for a table of NTWC web status reports lodged, as reported by the NTWCs. Also refer to Figures 1, 2a, 2b, 3a, 3b, 4a and 4b of Appendix F for snapshots of the TSP India and TSP Australia public NTWC Status Display webpages following transmission of each of the four test messages.

In this test 14 of the 26 NTWCs reported that they lodged web status reports (was 15 out of 26 in the previous test). This is a rate of 54%, underneath the recent average of around 69%, and well under the highest-ever rate of 77%.

However, status reports were received by TSPs from only 14 NTWCs (refer to Figure 4a). Iran and Kenya all reported they lodged status reports but these did not appear on the TSP India or TSP Australia webpages. Conversely Mauritius did not report it had lodged status reports but its status reports appeared on the webpages.

7 RESULTS ASSESSED AGAINST OBJECTIVES

7.1 Validate TSP dissemination processes for tsunami bulletin notification messages

All three TSPs successfully issued their test messages according to the Test Time line and via all four specified communications media: GTS, fax, email and SMS.

7.2 Validate reception of notification messages by NTWCs

- Email continues to be the most successful communications medium, with an average of 78% of the TSP email messages being successfully received by NTWCs in this test.
- GTS dropped a little to a reception rate of 76%, around its recent average.
- SMS reception rate at 64% in this test, close to its average in the previous few years.
- Fax continues to be the least successful delivery medium, with a reception rate of 31 % in this test, just below its long-term average. Fax reception was lowest since 2012 tests.

7.3 Validate access by NTWCs to TSP password-protected web sites

Web site access increased slightly to 79% in this test compared with 74% of the previous test, but still below the long-term average of around 85% since 2011. Twenty-four (24) of the 26 NTWCs were able to access at least one TSP website.

7.4 Validate reporting by NTWCs of national warning status information

NTWC status report lodgement, as reported by NTWCs, decreased slightly to 54% (14 NTWCs) in this test, compared with 15 NTWCs in the previous test.

8 COMPARISON WITH PREVIOUS TESTS

The results of this test in comparison with previous tests are summarised in Table 3 and Charts 3 and 4 below. Twenty-six (26) IOTWMS Member States participated in this 21st IOTWMS Communications Test, which is the equal highest to that of the previous test. This test demonstrated the continuing strength of email as the primary TSP delivery mechanism for notifying NTWCs of bulletin updates, followed by GTS and SMS as the next most reliable mechanisms.

This test also, however, showed that improvement is still required in NTWC access to TSP webpages and in NTWCs reporting their national warning status via the webpages.

Table 3: Test Results Comparison

Test Date:	16-Mar-11 (21 NTWCs)		15-Jun-11 (23 NTWCs)		14-Sep-11 (23 NTWCs)		14-Dec-11 (19 NTWCs)		13-Jun-12 (21 NTWCs)		12-Dec-12 (17 NTWCs)		12-Jun-13 (20 NTWCs)		11-Dec-13 (21 NTWCs)		11-Jun-14 (23 NTWCs)	
Originating TSP	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)
Received GTS Messages																		
Australia	43%	16	61%	47	70%	14	80%	28	66%	3	72%	7	59%	30	87%	15	74%	15
India	57%	5	70%	17	70%	26	80%	25	71%	7	70%	14	65%	40	81%	4	79%	10
Indonesia	5%	-	70%	12	52%	104	59%	37	39%	26	73%	15	63%	35	86%	24	76%	17
TSP Average	35%	11	67%	25	64%	48	73%	30	59%	12	72%	12	62%	35	84%	14	76%	14
Received Fax Messages																		
Australia	38%	165	26%	178	11%	2	85%	43	70%	49	66%	26	55%	47	66%	38	50%	99
India	29%	61	37%	91	52%	93	65%	35	54%	35	32%	32	37%	184	49%	32	43%	20
Indonesia	5%	107	24%	35	30%	43	25%	27	20%	20	18%	12	26%	19	19%	23	8%	7
TSP Average	24%	111	29%	101	31%	46	58%	35	48%	35	39%	23	39%	83	44%	31	34%	42
Received Email Messages																		
Australia	86%	12	85%	39	83%	11	94%	7	83%	3	87%	6	75%	28	94%	16	98%	8
India	90%	48	83%	48	80%	15	87%	9	81%	2	87%	4	85%	5	93%	16	90%	28
Indonesia	86%	18	72%	15	78%	61	89%	21	71%	10	94%	17	88%	39	90%	8	90%	10
TSP Average	87%	26	80%	34	80%	29	90%	12	78%	5	89%	9	83%	24	93%	13	93%	15
Received SMS Messages																		
Australia	-	-	-	-	15%	3	47%	4	57%	2	82%	3	54%	13	61%	1	68%	52
India	-	-	-	-	46%	13	76%	23	69%	1	82%	3	59%	9	61%	2	60%	37
Indonesia	-	-	-	-	41%	15	21%	5	64%	3	59%	14	39%	3	43%	3	56%	19
TSP Average					34%	10	48%	11	63%	2	74%	7	51%	8	55%	2	61%	36
Accessed Web Pages																		
Australia	95%	n/a	65%	n/a	87%	n/a	93%	n/a	57%	n/a	94%	n/a	79%	n/a	90%	n/a	77%	n/a
India	90%	n/a	91%	n/a	87%	n/a	87%	n/a	73%	n/a	94%	n/a	85%	n/a	90%	n/a	77%	n/a
Indonesia	90%	n/a	78%	n/a	78%	n/a	82%	n/a	44%	n/a	94%	n/a	90%	n/a	76%	n/a	77%	n/a
TSP Average	92%		78%		84%		87%		58%		94%		85%		86%		77%	
Lodged Web Status Reports																		
	48%		70%		52%		47%		43%		53%		60%		52%		48%	

Table 3: Test Results Comparison Continued

Test Date:	10-Dec-14 (24 NTWCs)		10-Jun-15 (21 NTWCs)		9-Dec-15 (20 NTWCs)		8-Jun-16 (23 NTWCs)		14-Dec-16 (21 NTWCs)		14-Jun-17 (22 NTWCs)		13-Dec-17 (20 NTWCs)		13-Jun-18 (21 NTWCs)		12-Dec-18 (22 NTWCs)	
Originating TSP	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)
Received GTS Messages																		
Australia	81%	16	81%	8	79%	40	76%	7	76%	5	69%	3	74%	8	71%	22	76%	5
India	81%	15	80%	5	69%	40	78%	10	9%	0	75%	94	75%	8	75%	16	73%	5
Indonesia	80%	12	40%	10	77%	40	75%	31	75%	7	59%	5	72%	300	70%	12	76%	6
TSP Average	81%	14	67%	8	75%	40	76%	16	53%	4	68%	34	74%	105	72%	17	75%	5
Received Fax Messages																		
Australia	60%	355	50%	54	63%	32	57%	99	60%	57	70%	99	51%	60	63%	57	53%	67
India	41%	335	47%	11	45%	65	39%	10	32%	333	41%	35	40%	10	58%	21	32%	31
Indonesia	10%	337	20%	12	18%	27	22%	26	15%	88	15%	34	32%	103	18%	13	25%	35
TSP Average	37%	342	39%	26	42%	41	39%	45	36%	159	42%	56	41%	58	46%	30	37%	44
Received Email Messages																		
Australia	93%	32	94%	3	89%	5	74%	5	90%	30	95%	4	90%	60	90%	2	95%	6
India	86%	95	93%	17	94%	10	80%	14	90%	388	84%	9	79%	65	86%	8	96%	5
Indonesia	87%	5	88%	3	85%	27	82%	3	93%	11	96%	7	83%	61	78%	8	95%	2
TSP Average	89%	44	92%	8	89%	14	79%	7	91%	143	92%	7	84%	62	85%	6	95%	4
Received SMS Messages																		
Australia	67%	4	76%	6	70%	5	63%	7	61%	7	70%	280	69%	7	66%	3	75%	7
India	62%	397	76%	9	61%	148	41%	56	66%	31	44%	12	42%	4	30%	3	85%	16
Indonesia	67%	553	75%	13	70%	20	26%	4	65%	14	64%	67	75%	22	71%	16	67%	11
TSP Average	65%	318	76%	9	67%	58	43%	22	64%	17	59%	120	62%	11	56%	7	76%	11
Accessed Web Pages																		
Australia	70%	n/a	86%	n/a	95%	n/a	86%	n/a	90%	n/a	89%	n/a	95%	n/a	95%	n/a	82%	n/a
India	69%	n/a	95%	n/a	89%	n/a	80%	n/a	86%	n/a	84%	n/a	88%	n/a	92%	n/a	78%	n/a
Indonesia	68%	n/a	95%	n/a	89%	n/a	75%	n/a	88%	n/a	94%	n/a	95%	n/a	89%	n/a	86%	n/a
TSP Average	69%		92%		91%		80%		88%		89%		93%		92%		82%	
Lodged Web Status Reports																		
	46%		62%		65%		65%		76%		77%		65%		76%		59%	

Table 3: Test Results Comparison Continued

Test Date:	12-Jun-19 (22 NTWCs)		11-Dec-19 (26 NTWCs)		10-Jun-20 (26 NTWCs)	
Originating TSP	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)
Received GTS Messages						
Australia	76%	64	79%	6	76%	38
India	80%	58	73%	6	76%	6
Indonesia	76%	65	68%	19	75%	4
TSP Average	78%	62	74%	10	76%	16
Received Fax Messages						
Australia	50%	57	45%	39	43%	80
India	30%	15	44%	38	36%	95
Indonesia	15%	79	18%	8	12%	15
TSP Average	32%	50	36%	28	31%	63
Received Email Messages						
Australia	92%	37	84%	6	85%	15
India	97%	26	82%	12	76%	14
Indonesia	86%	58	79%	15	74%	4
TSP Average	92%	40	82%	11	78%	11
Received SMS Messages						
Australia	55%	11	61%	5	66%	15
India	69%	96	58%	17	63%	34
Indonesia	63%	15	68%	62	62%	15
TSP Average	62%	41	62%	28	64%	21
Accessed Web Pages						
Australia	69%	n/a	73%	n/a	75%	n/a
India	67%	n/a	72%	n/a	78%	n/a
Indonesia	76%	n/a	77%	n/a	84%	n/a
TSP Average	71%		74%		79%	
Lodged Web Status Reports						
	50%		58%		54%	

Notes on Table 3:

1. Percentages are based on the number of NTWCs that:
 - a. Received each TSP's notification messages
 - b. Were able to access TSP web pages
 - c. Were able to lodge NTWC Warning Status Reports via a TSP web page.
2. "Max Delay" is the highest message delay reported across all NTWCs for each TSP's messages.
3. "-=" not issued in test

Chart 3: Message Delivery Success Rates

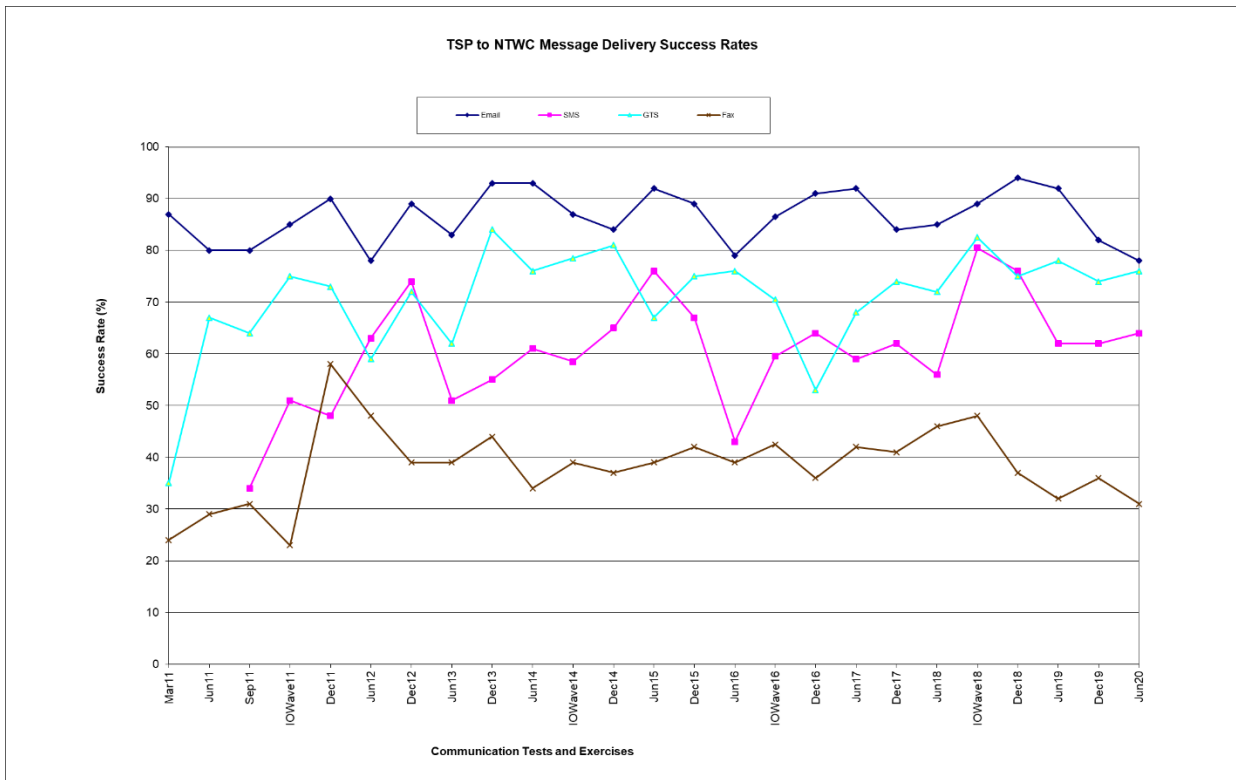
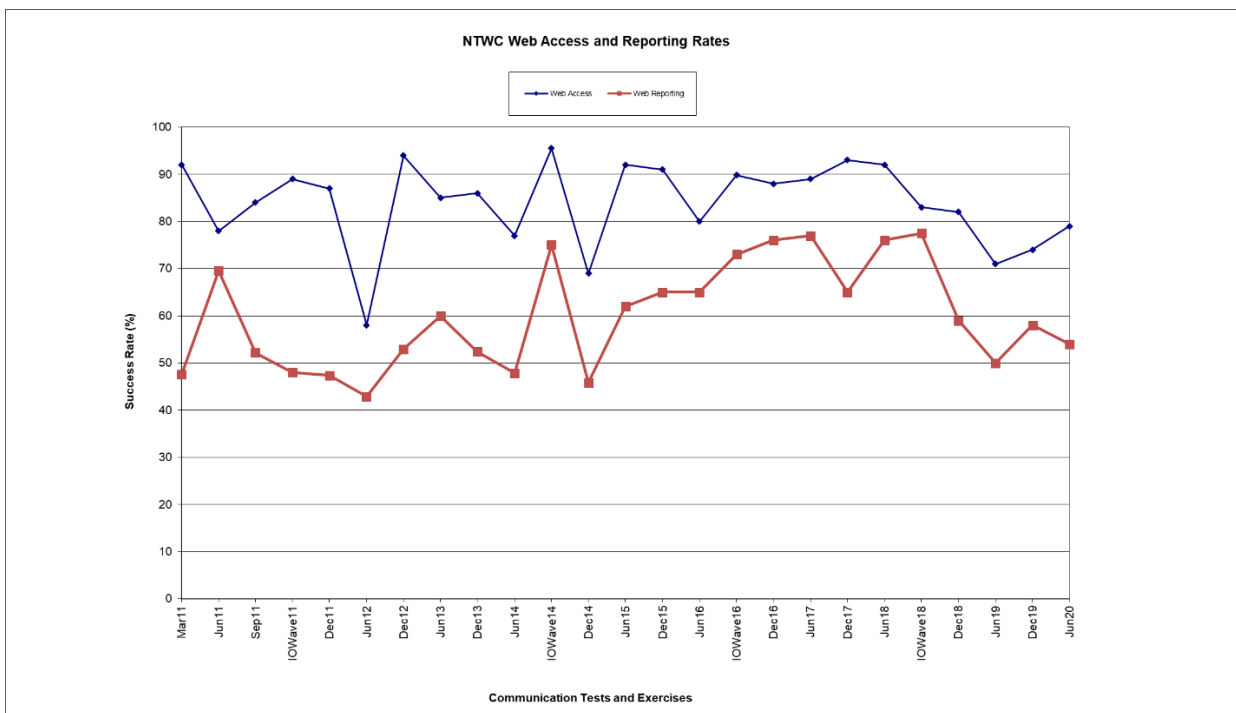


Chart 4: Web Access and Status Reporting Success Rates



9 SUMMARY OF ISSUES ARISING

Table 4 below summarises the key issues arising from this test which require follow up.

Table 4: Summary of Issues Arising

Note that Member States that are underlined reported the same issue in the previous communications test.

Report Ref.	Issue / Follow Up Required	Member State
5.2.1	All TSPs: GTS messages not received	<u>Bangladesh</u> Comoros <u>Iran</u> [#] <u>Madagascar</u> Yemen
#An arrangement between IRIMO and INIOAS to receive GTS messages at INIOAS (NTWC) needs to be formulated and implemented.		
5.2.1	TSP Australia: GTS Messages not received	Thailand
5.2.2	All TSPs: Fax messages not received	<u>Comoros</u> <u>Kenya</u> (machine broken) <u>Madagascar</u> <u>Maldives</u> Mozambique <u>South Africa</u> Thailand <u>United Kingdom</u> Yemen
5.2.2	TSP Australia: Fax messages not received	Indonesia
5.2.2	TSP India: Fax messages not received	<u>France</u> Iran Mauritius <u>Myanmar</u> Tanzania

5.2.2	TSP Indonesia: Fax messages not received	<u>Australia</u> <u>Bangladesh</u> <u>France</u> <u>India</u> <u>Mauritius</u> <u>Myanmar</u> <u>Pakistan</u> <u>Singapore</u> <u>Seychelles</u> <u>Tanzania</u> <u>Timor Leste</u> <u>United Arab Emirates</u>
5.2.3	All TSPs: Email messages not received	<u>United Kingdom</u> <u>Yemen</u>
5.2.3	TSP Australia: Email messages not received	<u>Bangladesh</u>
5.2.3	TSP Indonesia: Email messages not received	Bangladesh South Africa
5.2.4	All TSPs: SMS messages not received	<u>France (opted out)</u> <u>Timor Leste</u> <u>United Kingdom</u> <u>Yemen</u>
5.2.4	TSP Australia: SMS messages not received	<u>India</u> <u>South Africa</u>
5.2.4	TSP India: SMS messages not received	Mozambique <u>Oman</u> Pakistan
5.2.4	TSP Indonesia: SMS messages not received	Bangladesh Comoros <u>India</u> <u>Madagascar</u>
7	Web status report not lodged (as reported by Member State)	<u>Bangladesh</u> <u>Maldives</u> Mauritius <u>Mozambique</u> Oman <u>Sri Lanka</u> <u>Tanzania</u> Thailand <u>Timor Leste</u> <u>United Kingdom</u> <u>Yemen</u>
7	Web status report lodged (as reported by Member State) but not on Status Report webpage	Iran Kenya
7	Member State web status report lodged, but not mentioned in Member State Comms Test Log	Mauritius

10 APPENDICES

Appendix A: GTS Messages Received by each NTWC

	Bulletin No \ Country	AUS	BAN	COM	FR	IN	IND	IR	KEN	MAD	MAL	MD	MAU	MZ	MM	OM	PK	SY	SIN	SA	SLK	TAN	THA	TL	UAE	UK	YEM	Tot	%	Ave	
AUSTRALIA	06:00 Test Start	06:00	-	-	06:00	06:01	06:01	-	06:01	-	06:00	06:00	06:01	06:01	05:59	06:00	06:02	06:00	06:00	06:00	06:00	-	-	06:00	06:01	06:01	-	19	73		
	06:05 Bulletin 1	06:05	-	-	06:05	06:06	06:06	-	06:06	-	06:05	06:05	06:06	06:06	06:43	06:05	06:06	06:05	06:05	06:05	06:05	06:05	06:05	-	06:05	06:06	06:06	-	20	77	
	06:15 Bulletin 2	06:15	-	-	06:15	06:16	06:16	-	06:17	-	06:15	06:15	06:16	06:16	06:48	06:15	06:16	06:15	06:15	06:16	06:16	06:15	06:15	-	06:15	06:16	06:16	-	20	77	
	06:30 Bulletin 3	06:30	-	-	06:30	06:31	06:31	-	06:31	-	06:30	06:30	06:30	06:32	06:50	06:30	06:30	06:30	06:30	06:30	06:30	06:30	06:30	-	06:30	06:31	06:31	-	20	77	
06:45 Bulletin 4	06:45	-	-	06:45	06:45	06:47	-	06:47	-	06:45	06:45	06:44	06:46	06:55	06:45	06:47	06:45	06:45	06:46	06:45	06:45	06:48	-	06:45	06:46	06:46	-	20	77	76	
INDIA	06:00 Test Start	05:59	-	-	06:00	06:00	06:01	-	06:01	-	05:59	06:00	06:00	06:01	05:59	05:59	06:03	06:00	05:59	06:01	05:59	-	-	06:00	06:00	06:00	-	19	73		
	06:05 Bulletin 1	06:08	-	-	06:08	06:07	06:09	-	06:09	-	06:08	06:08	06:08	06:06	-	06:08	06:07	06:07	06:08	06:09	06:08	06:06	06:06	06:07	06:09	06:09	-	20	77		
	06:15 Bulletin 2	06:19	-	-	06:20	06:19	06:21	-	06:21	-	06:19	06:20	06:20	06:16	-	06:19	06:15	06:19	06:19	06:20	06:19	06:16	06:17	06:19	06:20	06:20	-	20	77		
	06:30 Bulletin 3	06:31	-	-	06:31	06:31	06:33	-	06:32	-	06:31	06:32	06:32	06:32	-	06:31	06:30	06:30	06:31	06:32	06:31	06:30	06:29	06:30	06:32	06:32	-	20	77		
06:45 Bulletin 4	06:46	-	-	06:46	06:46	06:47	-	06:48	-	06:46	06:46	06:47	06:46	-	06:46	06:45	06:45	06:46	06:46	06:46	06:45	06:45	06:45	06:47	06:47	-	20	77	76		
INDONESIA	06:00 Test Start	05:55	-	-	05:55	05:56	05:56	-	05:56	-	05:55	05:55	05:56	06:03	05:55	05:55	06:02	06:00	5:55	-	05:55	-	-	06:00	05:56	05:56	-	18	69		
	06:05 Bulletin 1	06:05	-	-	06:05	06:06	06:06	-	06:06	-	06:05	06:05	06:06	06:06	06:09	-	06:05	06:06	06:05	6:05	06:06	06:05	06:05	06:05	06:06	06:06	-	20	77		
	06:15 Bulletin 2	06:15	-	-	06:15	06:16	06:16	-	06:16	-	06:15	06:15	06:17	06:18	-	06:15	06:16	06:15	6:15	06:16	06:15	06:16	06:15	06:15	06:16	06:16	-	20	77		
	06:30 Bulletin 3	06:30	-	-	06:30	06:31	06:31	-	06:31	-	06:30	06:30	06:31	06:33	-	06:30	06:32	06:30	6:30	06:31	06:30	06:30	06:30	06:30	06:31	06:31	-	20	77		
06:45 Bulletin 4	06:45	-	-	06:45	06:45	06:46	-	06:46	-	06:45	06:45	06:46	06:46	-	06:45	06:46	06:45	6:45	06:45	06:45	06:45	06:45	06:45	06:46	06:46	-	20	77	75		

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MD=Maldives, MAU=Mauritius, MZ=Mozambique, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, TAN=Tanzania, THA=Thailand, TL=Timor Leste, UAE=United Arab Emirates, UK=United Kingdom (Indian Ocean Territories), YEM=Yemen

Notes:

- = message not received or not reported
- “Tot” = number of NTWCs who received message, out of 26
- “%” = percentage of NTWCs who received message
Message(s) with maximum time delay for each TSP are highlighted in yellow. Highest overall delay =38 minutes
- The NTWCs in Iran and Madagascar are not connected to the GTS.

Appendix B: Fax Messages Received by each NTWC

	Bulletin No \ Country	AUS	BAN	COM	FR	IN	IND	IR	KEN	MAD	MAL	MD	MAU	MZ	MM	OM	PK	SY	SIN	SA	SLK	TAN	THA	TL	UAE	UK	YEM	Tot	%	Ave
AUSTRALIA	06:00 Test Start	06:08	06:08	-	-	-	-	-	-	-	06:19	-	-	-	06:01	06:01	06:04	-	06:07	-	06:00	06:03	-	-	06:03	-	-	10	38	
	06:05 Bulletin 1	07:04	06:09	-	-	06:42	-	-	-	-	06:20	-	06:05	-	06:51	06:06	-	07:28	06:07	-	06:05	-	-	-	06:08	-	-	11	42	
	06:15 Bulletin 2	07:28	07:22	-	-	06:44	-	-	-	-	06:20	-	-	-	06:52	06:14	06:25	07:26	06:43	-	06:16	-	-	06:15	07:35	-	-	12	46	
	06:30 Bulletin 3	07:28	07:23	-	06:33	06:43	-	-	-	-	-	-	-	-	06:53	06:35	07:16	07:29	06:44	-	06:30	-	-	06:30	07:34	-	-	12	46	
	06:45 Bulletin 4	07:28	07:24	-	06:46	07:47	-	-	-	-	-	-	-	-	06:54	06:47	-	07:30	07:14	-	06:46	06:04	-	-	07:36	-	-	11	42	43
INDIA	06:00 Test Start	06:00	05:59	-	-	06:00	-	-	-	-	06:00	-	-	-	-	05:59	-	6:08	06:00	-	06:00	-	-	-	07:44	-	-	9	35	
	06:05 Bulletin 1	06:08	06:20	-	-	06:06	-	-	-	-	06:19	-	-	-	-	06:09	06:12	6:20	06:08	-	06:08	-	-	-	07:46	-	-	10	38	
	06:15 Bulletin 2	06:42	06:21	-	-	06:19	-	-	-	-	-	-	-	-	-	06:18	06:26	6:35	06:20	-	06:19	-	-	-	07:59	-	-	9	35	
	06:30 Bulletin 3	06:42	06:36	-	-	06:30	06:41	-	-	-	06:30	-	-	-	-	06:33	06:43	-	06:35	-	06:32	-	-	-	08:01	-	-	10	38	
	06:45 Bulletin 4	07:04	06:48	-	-	06:45	-	-	-	-	06:45	-	-	-	-	06:48	07:05	-	06:46	-	06:47	-	-	-	08:20	-	-	9	35	36
INDONESIA	06:00 Test Start	-	-	-	-	-	-	-	-	-	05:56	-	-	-	-	05:55	-	-	-	-	05:58	-	-	-	-	-	-	3	12	
	06:05 Bulletin 1	-	-	-	-	-	06:09	06:20	-	-	-	-	-	-	-	06:06	-	-	-	-	06:06	-	-	-	-	-	-	4	15	
	06:15 Bulletin 2	-	-	-	-	-	06:17	-	-	-	-	-	-	-	-	06:16	-	-	-	-	06:15	-	-	-	-	-	-	3	12	
	06:30 Bulletin 3	-	-	-	-	-	06:34	-	-	-	-	-	-	-	-	06:33	-	-	-	-	06:31	-	-	-	-	-	-	3	12	
	06:45 Bulletin 4	-	-	-	-	-	06:49	-	-	-	-	-	-	-	-	06:46	-	-	-	-	06:45	-	-	-	-	-	-	3	12	12

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MD=Maldives, MAU=Mauritius, MZ=Mozambique, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, TAN=Tanzania, THA=Thailand, TL=Timor Leste, UAE=United Arab Emirates, UK=United Kingdom (Indian Ocean Territories), YEM=Yemen

Notes:

- = message not received or not reported
- "Tot" = number of NTWCs who received message, out of 26
- "%" = percentage of NTWCs who received message
- Message(s) with maximum time delay for each TSP are highlighted in yellow. Highest overall delay = 95minutes
- Kenya advised that their fax reception was "not in use" for this test.

Appendix C: Email Messages Received by each NTWC

	Bulletin No \ Country	AUS	BAN	COM	FR	IN	IND	IR	KEN	MAD	MAL	MD	MAU	MZ	MM	OM	PK	SY	SIN	SA	SLK	TAN	THA	TL	UAE	UK	YEM	Tot	%	Ave	
AUSTRALIA	06:00 Test Start	06:00	-	06:00	06:00	06:00	06:00	-	06:00	06:00	06:01	06:00	06:01	06:00	06:00	06:00	06:00	06:01	06:00	06:00	06:00	06:00	06:00	06:00	06:01	-	-	22	85		
	06:05 Bulletin 1	06:06	-	06:05	06:05	06:05	06:05	-	06:05	06:05	06:08	06:05	06:05	06:05	06:05	06:05	06:05	06:06	06:05	06:05	06:05	06:05	06:05	06:05	06:06	-	-	22	85		
	06:15 Bulletin 2	06:15	-	06:15	06:15	06:15	06:15	-	06:30	06:15	06:18	06:15	06:16	06:30	06:15	06:15	06:15	06:16	06:16	06:16	06:15	06:15	06:15	06:15	06:16	-	-	22	85		
	06:30 Bulletin 3	06:30	-	06:30	06:30	06:30	06:30	-	06:30	06:30	06:30	06:30	06:31	06:45	06:30	06:30	06:30	06:30	06:31	06:30	06:30	06:30	06:30	06:30	06:30	06:31	-	-	22	85	
	06:45 Bulletin 4	06:46	-	06:45	06:45	06:46	-	06:46	06:45	06:45	06:45	06:45	06:46	06:45	06:45	06:45	06:45	06:45	06:46	06:46	06:46	06:45	06:45	06:45	06:45	06:46	-	-	22	85	85
INDIA	06:00 Test Start	06:01	-	06:00	-	05:59	-	-	06:08	-	06:02	05:58	06:00	05:58	-	05:59	06:08	06:00	05:59	06:02	06:08	06:08	06:08	05:59	06:00	-	-	18	69		
	06:05 Bulletin 1	06:08	06:07	06:07	06:07	06:06	06:06	-	06:08	06:06	06:08	06:06	06:07	06:06	06:08	6:07	-	06:09	06:06	06:06	-	-	-	6:07	-	-	-	18	69		
	06:15 Bulletin 2	06:25	06:20	06:19	06:19	06:19	-	-	06:23	06:18	06:29	06:18	06:20	06:18	06:23	06:20	06:23	06:16	06:18	06:18	06:23	06:23	06:23	06:19	06:23	-	-	22	85		
	06:30 Bulletin 3	06:31	06:31	06:31	06:31	06:30	-	-	06:34	06:29	06:32	06:29	06:31	06:29	06:34	06:31	06:34	06:32	06:30	06:30	06:33	06:34	06:34	06:30	06:32	-	-	22	85		
	06:45 Bulletin 4	06:48	06:48	06:46	06:46	06:45	06:44	06:47	06:49	6:44	6:47	06:44	06:47	6:44	-	06:46	-	06:47	06:45	06:45	-	-		06:45	06:47	-	-	19	73	76	
INDONESIA	06:00 Test Start	-	-	05:55	05:55	05:57	05:55	-	05:56	-	-	05:56	05:57	05:55	05:45	05:55	06:00	06:00	05:56	-	05:56	06:56	05:56	06:00	-	-	-	17	65		
	06:05 Bulletin 1	06:05	-	06:05	06:05	06:06	06:05	-	06:06	06:05	06:07	06:05	06:09	06:05	06:06	06:05	06:06	06:08	06:06	-	06:06	06:06	06:06	06:05	06:06	-	-	20	77		
	06:15 Bulletin 2	06:15	-	06:15	06:15	-	06:15	-	06:16	06:15	06:17	06:15	06:16	06:15	06:15	06:15	06:16	06:16	06:16	-	06:16	06:17	06:15	06:15	06:16	-	-	19	73		
	06:30 Bulletin 3	06:30	-	06:30	06:30	06:31	06:30	06:30	06:31	06:30	06:32	06:30	06:31	06:30	06:30	06:30	06:31	06:31	06:30	-	06:31	06:31	06:30	06:30	06:31	-	-	21	81		
	06:45 Bulletin 4	06:45	-	06:45	06:45	-	06:45	-	06:46	06:45	06:47	06:45	06:45	06:45	06:45	06:45	06:45	06:46	06:46	06:45	-	06:45	06:46	06:45	06:46	-	-	19	73	74	

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MD=Maldives, MAU=Mauritius, MZ=Mozambique, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, TAN=Tanzania, THA=Thailand, TL=Timor Leste, UAE=United Arab Emirates, UK=United Kingdom (Indian Ocean Territories), YEM=Yemen

Notes:

- = message not received or not reported.
- "Tot" = number of NTWCs who received message, out of 26
- "%" = percentage of NTWCs who received message
- Message(s) with maximum time delay for each TSP highlighted in yellow. Highest overall delay = 15 minutes

Appendix D: SMS Messages Received by each NTWC

	Bulletin No \ Country	AUS	BAN	COM	FR	IN	IND	IR	KEN	MAD	MAL	MD	MAU	MZ	MM	OM	PK	SY	SIN	SA	SLK	TAN	THA	TL	UAE	UK	YEM	Tot	%	Ave	
AUSTRALIA	06:00 Test Start	06:00	06:00	06:00	-	-	-	06:00	06:01	05:59	06:00	06:00	06:00	06:00	06:00	06:00	-	06:00	06:00	-	06:00	06:00	06:00	-	-	-	-	17	65		
	06:05 Bulletin 1	06:05	06:05	06:05	-	-	06:06	06:05	06:05	06:04	06:05	06:05	06:05	06:05	06:05	06:05	-	06:05	06:05	-	06:05	06:05	06:05	06:05	-	-	-	-	18	69	
	06:15 Bulletin 2	06:15	06:18	06:15	-	-	06:17	06:15	06:30	06:15	06:15	06:15	06:15	-	06:15	06:15	-	06:15	06:15	-	06:15	06:15	06:15	06:16	-	-	-	-	17	65	
	06:30 Bulletin 3	06:30	06:35	06:30	-	-	06:32	06:30	06:30	06:30	06:30	06:30	06:30	06:30	-	06:30	06:30	06:30	06:30	-	06:30	06:30	06:30	06:30	06:30	-	-	-	-	17	65
06:45 Bulletin 4	06:46	06:48	06:45	-	-	06:47	06:45	06:45	06:45	06:45	06:45	06:45	06:45	06:45	-	06:46	06:45	06:45	-	06:45	06:45	06:45	06:45	-	-	-	-	17	65	66	
INDIA	06:00 Test Start	06:00	05:59	06:00	-	05:59	-	-	06:01	06:00	06:00	06:00	06:00	-	06:00	-	-	06:00	-	-	06:00	06:08	06:00	-	06:00	-	-	15	58		
	06:05 Bulletin 1	06:07	06:08	06:07	-	06:07	06:09	06:07	06:05	-	06:08	06:07	06:12	-	06:08	-	-	06:07	06:07	06:39	06:07	-	06:07	-	06:07	-	-	17	65		
	06:15 Bulletin 2	06:19	06:19	06:19	-	06:19	06:21	06:19	06:19	06:19	06:19	06:24	-	06:24	-	-	-	06:19	06:19	06:39	06:19	-	06:19	-	06:19	-	-	17	65		
	06:30 Bulletin 3	06:31	06:36	06:31	-	06:30	06:33	-	06:31	-	06:31	06:31	06:36	-	06:32	-	-	06:31	06:31	06:39	06:31	-	06:31	-	06:31	-	-	16	62		
06:45 Bulletin 4	06:46	06:48	06:46	-	06:46	06:48	06:46	06:46	06:45	06:46	06:46	06:51	-	-	-	-	06:46	06:46	06:46	06:46	-	06:46	-	06:46	-	-	17	65	63		
INDONESIA	06:00 Test Start	05:58	-	-	-	-	-	05:57	06:01	-	06:00	05:56	05:57	06:01	06:00	06:03	06:03	06:03	06:02	05:57	05:59	06:06	05:59	-	-	-	-	16	62		
	06:05 Bulletin 1	06:08	-	-	-	-	06:05	06:07	06:15	-	06:06	06:08	06:06	06:15	06:13	06:16	06:09	06:15	06:10	06:13	06:06	-	06:09	-	-	-	-	16	62		
	06:15 Bulletin 2	06:15	-	-	-	-	06:15	06:21	06:15	-	06:22	06:11	06:19	06:25	06:19	06:23	06:16	06:22	06:21	06:21	06:18	-	06:19	-	-	-	-	16	62		
	06:30 Bulletin 3	06:32	-	-	-	-	06:30	06:36	06:45	-	06:35	06:33	06:32	06:40	06:35	06:38	06:33	06:40	06:34	06:38	06:32	-	06:32	-	-	-	-	16	62		
06:45 Bulletin 4	06:46	-	-	-	-	06:45	06:48	06:53	-	06:45	06:47	06:49	06:55	06:52	06:53	06:49	06:55	06:49	06:54	06:50	-	06:45	-	-	-	-	16	62	62		

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MD=Maldives, MAU=Mauritius, MZ=Mozambique, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, TAN=Tanzania, THA=Thailand, TL=Timor Leste, UAE=United Arab Emirates, UK=United Kingdom (Indian Ocean Territories), YEM=Yemen

Notes:

- = message not received or not reported
- "Tot" = number of NTWCs who received message, out of 26
- "%" = percentage of NTWCs who received message
- Message(s) with maximum time delay for each TSP highlighted in yellow. Highest overall delay = 34minutes
- France (Indian Ocean Territories) has opted out of receiving SMS messages.

Appendix E: Web Accesses by each NTWC

	Bulletin No \ Country	AUS	BAN	COM	FR	IN	IND	IR	KEN	MAD	MAL	MD	MAU	MZ	MM	OM	PK	SY	SIN	SA	SLK	TAN	THA	TL	UAE	UK	YEM	Tot	%	Ave
AUSTRALIA	06:05 Bulletin 1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	-	-	-	20	77	
	06:15 Bulletin 2	1	0	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	-	1	1	0	1	-	-	-	18	69	
	06:30 Bulletin 3	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	-	-	-	20	77	
	06:45 Bulletin 4	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	-	-	-	20	77
INDIA	06:05 Bulletin 1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	-	-	22	85	
	06:15 Bulletin 2	1	1	1	1	1	0	0	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	-	-	20	77	
	06:30 Bulletin 3	1	1	1	1	1	0	-	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	-	-	20	77	
	06:45 Bulletin 4	1	1	1	1	1	0	-	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1	1	1	-	-	19	73	78
INDONESIA	06:05 Bulletin 1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	22	85	
	06:15 Bulletin 2	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	22	85	
	06:30 Bulletin 3	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	22	85		
	06:45 Bulletin 4	1	0	1	1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	21	81	84	

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MD=Maldives, MAU=Mauritius, MZ=Mozambique, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, TAN=Tanzania, THA=Thailand, TL=Timor Leste, UAE=United Arab Emirates, UK=United Kingdom (Indian Ocean Territories), YEM=Yemen

Notes:

- 1 = TSP web page accessed OK
- 0 = TSP web page not accessed
- = TSP web page access not reported
- "Tot" = number of NTWCs who accessed TSP web page, out of 26
- "%" = percentage of NTWCs who accessed web page

Appendix F: Web Status Reports lodged by each NTWC

TSP	% NTWCs reporting (out of 26)	Number of NTWCs	AUS	BAN	COM	FR	IN	IND	IR	KEN	MAD	MAL	MD	MAU	MZ	MM	OM	PK	SY	SIN	SA	SLK	TAN	THA	TL	UAE	UK	YEM
Australia	12%	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
India	35%	9	1	0	1	0	1	1	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0
Indonesia	12%	3	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Any TSP	54%	14	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	0	0

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MD=Maldives, MAU=Mauritius, MZ=Mozambique, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, TAN=Tanzania, THA=Thailand, TL=Timor Leste, UAE=United Arab Emirates, UK=United Kingdom (Indian Ocean Territories), YEM=Yemen

Notes:

1. 1= yes
2. 0= no

Figure 1: TSP India NTWC Status Display Webpage after 1st Test Message



Summary of the Current Threat Status as reported by the NTWCs

This page displays the summary of feedback received from individual NTWC's regarding the Threat Status in their area of responsibility. Within 24 hrs of the current event ending (issue of FINAL bulletin by RTSPs), if no further NTWC feedback is received, this page will be cleared to indicate no warnings.

Legend

- Threat Level 0: No impact expected, no flooding, no currents.
- Threat Level 1: There is a potential for tsunami impact, but given the travel time, no response of the public is necessary at the moment.
- Threat Level 2: Threat to coastal marine areas due to strong currents and oscillations in sea level.
- Threat Level 3: Threat of tsunami inundation to land areas.
- Cancellation/All Clear

Show **50 rows** entries

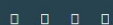
Search:

Country	Threat Status	Comments	Sender	Sender Time
Australia	-	-	-	-
Bangladesh	-	-	-	-
Comoros	-	-	-	-
Djibouti	-	-	-	-
France (Indian Ocean Territories)	-	-	-	-
India	-	-	-	-
Indonesia	-	-	-	-
Iran	-	-	-	-
Kenya	-	-	-	-
Madagascar	-	-	-	-
Malaysia	-	-	-	-
Maldives	-	-	-	-
Mauritius	-	-	-	-
Mozambique	-	-	-	-
Myanmar	Threat Level 1	NTWC, Myanmar conducts the IOTWMS communication Test.	NTWC, Myanmar	Wed Jun 10 2020 12:39:56 GMT+0630 (Myanmar Time)
Oman	-	-	-	-
Pakistan	-	-	-	-
Seychelles	-	-	-	-
Singapore	-	-	-	-
Somalia	-	-	-	-
South Africa	-	-	-	-
Sri Lanka	-	-	-	-
Tanzania	-	-	-	-
Thailand	-	-	-	-
Timor-Leste	-	-	-	-
UAE	-	-	-	-
UK (Indian Ocean Territories)	-	-	-	-
Yemen	-	-	-	-

Showing 1 to 28 of 28 entries

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Figure 2a: TSP India NTWC Status Display Webpage after 2nd Test Message



Summary of the Current Threat Status as reported by the NTWCs

This page displays the summary of feedback received from individual NTWC's regarding the Threat Status in their area of responsibility. Within 24 hrs of the current event ending (issue of FINAL bulletin by RTSPs), if no further NTWC feedback is received, this page will be cleared to indicate no warnings.

Legend

- Threat Level 0: No impact expected, no flooding, no currents.
- Threat Level 1: There is a potential for tsunami impact, but given the travel time, no response of the public is necessary at the moment.
- Threat Level 2: Threat to coastal marine areas due to strong currents and oscillations in sea level.
- Threat Level 3: Threat of tsunami inundation to land areas.
- Cancellation/All Clear

Show 50 rows entries

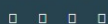
Search:

Country	Threat Status	Comments	Sender	Sender Time
Australia	Threat Level 1	Potential tsunami impacts to the Cocos Islands, Western Australia and Australia's Antarctic bases.	Simon Allen	Wed Jun 10 2020 16:18:40 GMT+1000 (AUS Eastern Standard Time)
Bangladesh	-	-	-	-
Comoros	-	-	-	-
Djibouti	-	-	-	-
France (Indian Ocean Territories)	Threat Level 1	Nil	Ecomier Jacques	Wed Jun 10 2020 10:20:54 GMT+0400 (heure normale de Maurice)
India	Threat Level 3	Major earthquake in Nicobar Islands, reports of tsunami generation from Andaman & Nicobar Islands. Warning issued for mainland India.	ITEWC, INCOIS	Wed Jun 10 2020 11:52:34 GMT+0530 (India Standard Time)
Indonesia	Threat Level 2	Earth shaking was strong, the citizen rush to safe zone in all potentially tsunami area	Alfath BMKG	Wed Jun 10 2020 13:18:08 GMT+0700 (Western Indonesia Time)
Iran	-	-	-	-
Kenya	-	-	-	-
Madagascar	-	-	-	-
Malaysia	-	-	-	-
Maldives	-	-	-	-
Mauritius	-	-	-	-
Mozambique	-	-	-	-
Myanmar	Threat Level 2	NTWC, Myanmar will issue the Tsunami Warning for Myanmar coastal areas based on the RTSPs information.	NTWC, Myanmar	Wed Jun 10 2020 12:47:16 GMT+0630 (Myanmar Time)
Oman	-	-	-	-
Pakistan	Threat Level 0	-	NTWC Karachi Pakistan	Wed Jun 10 2020 11:16:36 GMT+0500 (Pakistan Standard Time)
Seychelles	Threat Level 1	TEST TEST TEST TEST	Hezron Andango	Wed Jun 10 2020 10:19:54 GMT+0400 (Gulf Standard Time)
Singapore	-	-	-	-
Somalia	-	-	-	-
South Africa	Threat Level 1	Have informed local Council for Geoscience @ 06h11Z, awaiting their analysis of the scenario.	Kevin Rae	Wed Jun 10 2020 08:24:41 GMT+0200 (South Africa Standard Time)
Sri Lanka	-	-	-	-
Tanzania	-	-	-	-
Thailand	-	-	-	-
Timor-Leste	-	-	-	-
UAE	-	-	-	-
UK (Indian Ocean Territories)	-	-	-	-
Yemen	-	-	-	-

Showing 1 to 28 of 28 entries

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Figure 2b: TSP Australia Public Webpage after 2nd Test Message

NB: the webpage display is dynamically updated whenever a new report is available. So a snapshot at a given time is not a true reflection of all reports received during a period.

This is the webpage snapshot as at 0620 UTC. Compared with Fig 2a which listed status of 8 countries, it

- Displayed the latest status of 5 countries - Australia, Indonesia, Myanmar, Pakistan, Seychelles
- Displayed the outdated status of 1 country - India (likely due to the new report not being received by 0620UTC but its old one being retained)
- Missed status of 2 countries - France (Indian Ocean Territory), South Africa (likely due to their first ever status reports not being received by 0620UTC)

The screenshot shows the Australian Government Bureau of Meteorology website. The main heading is "TEST TEST - Earthquake Current - Not a Real Event - TEST TEST". Below this, there is a table titled "Warning Status" with columns for various countries and their current status. A legend indicates the status levels: Unknown, Level 0, Level 1, Level 2, Level 3, and Cancel. To the right of the table is a map of the Indian Ocean region showing the location of the test event near the Nicobar Islands.

Warning Status			
Australia	Bangladesh	Comoros	Djibouti
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

Earthquakes			
Event	Date	Mag.	Location
1	06:00 UTC 10 June 2020	9.0	Nicobar Islands, Indian region *** TEST EVENT ***

Figure 3a: TSP India NTWC Status Display Webpage after 3rd Test Message



Summary of the Current Threat Status as reported by the NTWCs

This page displays the summary of feedback received from individual NTWC's regarding the Threat Status in their area of responsibility. Within 24 hrs of the current event ending (issue of FINAL bulletin by RTSPs), if no further NTWC feedback is received, this page will be cleared to indicate no warnings.

Legend

- Threat Level 0: No impact expected, no flooding, no currents.
- Threat Level 1: There is a potential for tsunami impact, but given the travel time, no response of the public is necessary at the moment.
- Threat Level 2: Threat to coastal marine areas due to strong currents and oscillations in sea level.
- Threat Level 3: Threat of tsunami inundation to land areas.
- Cancellation/All Clear

Show 50 rows entries

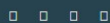
Search:

Country	Threat Status	Comments	Sender	Sender Time
Australia	Threat Level 2	Marine warnings issued for Western Australia, the Cocos Islands and Australia's Antarctic bases.	Simon Allen	Wed Jun 10 2020 16:34:36 GMT+1000 (AUS Eastern Standard Time)
Bangladesh	-	-	-	-
Comoros	-	-	-	-
Djibouti	-	-	-	-
France (Indian Ocean Territories)	Threat Level 2	-	Ecomier Jacques	Wed Jun 10 2020 10:37:09 GMT+0400 (heure normale de Maurice)
India	Threat Level 3	Very high waves, upto 6 meters inundating Andaman & Nicobar Islands, high waves reported from other regions of province too. Evacuations in progress in the east coast of India.	ITEWC, INCOIS	Wed Jun 10 2020 12:04:26 GMT+0530 (India Standard Time)
Indonesia	Threat Level 3	Very strong tide current and oscillations in Sabang, Meulaboh, and West Part Sumatera	Alfath BMKG	Wed Jun 10 2020 13:34:10 GMT+0700 (Western Indonesia Time)
Iran	-	-	-	-
Kenya	-	-	-	-
Madagascar	Threat Level 3	Tsunami test bulletin n 3: threat confirmed in the Indian Ocean	Rina/Bernardo	Wed Jun 10 2020 09:34:10 GMT+0300 (East Africa Time)
Malaysia	-	-	-	-
Maldives	-	-	-	-
Mauritius	-	-	-	-
Mozambique	-	-	-	-
Myanmar	Threat Level 3	NTWC, Myanmar will issue the Tsunami information for Myanmar coastal areas based on the RTSPs information.	NTWC, Myanmar	Wed Jun 10 2020 13:04:38 GMT+0630 (Myanmar Time)
Oman	-	-	-	-
Pakistan	Threat Level 0	-	NTWC Karachi Pakistan	Wed Jun 10 2020 11:45:19 GMT+0500 (Pakistan Standard Time)
Seychelles	Threat Level 1	NOT A REAL TSUNAMI EVENT TEST TEST TEST TEST	Hezron Andango	Wed Jun 10 2020 10:34:57 GMT+0400 (Gulf Standard Time)
Singapore	Threat Level 0	Tsunami is not expected to affect Singapore	Hu Weilin	Wed Jun 10 2020 14:42:25 GMT+0800 (Singapore Standard Time)
Somalia	-	-	-	-
South Africa	-	-	-	-
Sri Lanka	-	-	-	-
Tanzania	-	-	-	-
Thailand	-	-	-	-
Timor-Leste	-	-	-	-
UAE	-	-	-	-
UK (Indian Ocean Territories)	-	-	-	-
Yemen	-	-	-	-

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Figure 3b: TSP Australia Public Webpage after 3rdTest Message

NB: the webpage display is dynamically updated whenever a new report is available. So a snapshot at a given time may not be a true reflection of all reports received during a period.

Webpage snapshot as at 0633 UTC. Compared with Fig 3a which listed status of 9 countries, it

- Displayed the latest status of 3 countries - India, Pakistan, Seychelles
- Displayed the outdated status of 3 countries - Australia, Indonesia, Myanmar (likely due to the new reports not being received by 0633UTC but old ones being retained)
- Missed status of 3 countries - France (Indian Ocean Territory), Madagascar, Singapore (likely due to their reports not being received by 0633UTC and old ones not being retained)

The screenshot shows the Australian Government Bureau of Meteorology website. The main banner reads "TEST TEST - Earthquake Current - Not a Real Event - TEST TEST". Below the banner, there are navigation links for "About", "FAQ", and "Latest Public Bulletin".

Warning Status Table:

Australia	Bangladesh	Comoros	Djibouti
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 Table:

Event	Date	Mag.	Location
1	06:00 UTC 10 June 2020	9.0	Nicobar Islands, Indian region *** TEST EVENT ***

Tsunami Wave Observations Table:

#	Location	MAX	Date	Ev.
1	Nancowry	3.50m	06:25 UTC 10 Jun	1

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.

Figure 4a: TSP India NTWC Status Display Webpage after 4th Test Message (final)



Summary of the Current Threat Status as reported by the NTWCs

This page displays the summary of feedback received from individual NTWC's regarding the Threat Status in their area of responsibility. Within 24 hrs of the current event ending (issue of FINAL bulletin by RTSPs), if no further NTWC feedback is received, this page will be cleared to indicate no warnings.

Legend

- Threat Level 0: No impact expected, no flooding, no currents.
- Threat Level 1: There is a potential for tsunami impact, but given the travel time, no response of the public is necessary at the moment.
- Threat Level 2: Threat to coastal marine areas due to strong currents and oscillations in sea level.
- Threat Level 3: Threat of tsunami inundation to land areas.
- Cancellation/All Clear

Show 50 rows entries

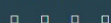
Search:

Country	Threat Status	Comments	Sender	Sender Time
Australia	CANCELLATION/ALL CLEAR	All warnings cancelled.	Simon Allen	Wed Jun 10 2020 16:45:24 GMT+1000 (AUS Eastern Standard Time)
Bangladesh	-	-	-	-
Comoros	Threat Level 1	-	Saifou-Dine Allani Toiha	Wed Jun 10 2020 11:29:04 GMT+0300 (heure normale de l'Île de la Réunion)
Djibouti	-	-	-	-
France (Indian Ocean Territories)	CANCELLATION/ALL CLEAR	-	Ecornier Jacques	Wed Jun 10 2020 10:47:57 GMT+0400 (heure normale de Maurice)
India	CANCELLATION/ALL CLEAR	Tsunami threat passed in many regions. All clear will be issued by local administration after monitoring local conditions.	ITEWC, INCOIS	Wed Jun 10 2020 12:17:42 GMT+0530 (India Standard Time)
Indonesia	Tsunami warning is cancelled	Alfath BMKG	Wed Jun 10 2020 13:47:29 GMT+0700 (Western Indonesia Time)	-
Iran	-	-	-	-
Kenya	-	-	-	-
Madagascar	CANCELLATION/ALL CLEAR	Final bulletin: end of the test	Rina/Bernardo	Wed Jun 10 2020 09:48:28 GMT+0300 (East Africa Time)
Malaysia	Threat Level 3	Tsunami Warning issued within this period to the National Disaster Management Agency and relevant agencies via text messages, emails, media, social media networks. Sirens were triggered within this period over affected areas especially west coast of peninsula.	Malaysia National Tsunami Early Warning Centre	Wed Jun 10 2020 15:45:11 GMT+0800 (Singapore Standard Time)
Maldives	-	-	-	-
Mauritius	CANCELLATION/ALL CLEAR	-	Sandhya Devi Dindyal	Wed Jun 10 2020 11:38:21 GMT+0400 (Mauritius Standard Time)
Mozambique	-	-	-	-
Myanmar	CANCELLATION/ALL CLEAR	NTWC, Myanmar will issue tsunami cancellation for Myanmar coastal areas based on the local condition and RTSPs information	NTWC, Myanmar	Wed Jun 10 2020 13:18:36 GMT+0630 (Myanmar Time)
Oman	-	-	-	-
Pakistan	Threat Level 0	-	NTWC Karachi Pakistan	Wed Jun 10 2020 11:45:19 GMT+0500 (Pakistan Standard Time)
Seychelles	CANCELLATION/ALL CLEAR	TEST TEST TEST TEST	Hezron Andango	Wed Jun 10 2020 10:50:37 GMT+0400 (Gulf Standard Time)
Singapore	Threat Level 0	Tsunami is not expected to affect Singapore	Hu Weilin	Wed Jun 10 2020 14:42:25 GMT+0800 (Singapore Standard Time)
Somalia	-	-	-	-
South Africa	CANCELLATION/ALL CLEAR	test concluded. test logs to follow, as requested.	Kevin Rae	Wed Jun 10 2020 09:41:26 GMT+0200 (South Africa Standard Time)
Sri Lanka	-	-	-	-
Tanzania	-	-	-	-
Thailand	-	-	-	-
Timor-Leste	-	-	-	-
UAE	Threat Level 0	-	Khalifa Alebri	Wed Jun 10 2020 08:19:40 GMT+0000 (Coordinated Universal Time)
UK (Indian Ocean Territories)	-	-	-	-
Yemen	-	-	-	-

Showing 1 to 28 of 28 entries

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Indian National Center for Ocean Information Services (INCOIS)
"Ocean Valley", Pragathi nagar(BO),
Nizampet(SO) Hyderabad-500090,
Telangana.

Figure 4b: TSP Australia Public Webpage after 4th Test Message (final)

NB: the webpage display is dynamically updated whenever a new report is available. So a snapshot at a given time may not be a true reflection of all reports received during a period.

Webpage snapshot as at 0654 UTC. Compared with Fig 4a which listed status of 14 countries, it

- Displayed the latest status of 6 countries - Australia, India, Indonesia, Madagascar, Myanmar, Seychelles
- Displayed the outdated status of 3 countries - Pakistan, Singapore, South Africa (likely due to the new reports not being received by 0654UTC but old ones being retained)
- Missed status of 5 countries - France (Indian Ocean Territory), Comoros, Malaysia, Mauritius, UAE (likely due to their reports not being received by 0654UTC and old ones not being retained)

Bureau of Meteorology | NSW VIC QLD WA SA TAS ACT NT AUSTRALIA GLOBAL ANTARCTICA

Bureau Home > Joint Australian Tsunami Warning Centre > Status of Tsunami Warnings in the Indian Ocean

TSP Australia Public Webpage **Status of Tsunami Warnings in the Indian Ocean**

This website is maintained by the [Joint Australian Tsunami Warning Centre](#) for the Indian Ocean Tsunami Warning & Mitigation System (IOTWMS) as a Tsunami Service Provider (TSP).

TEST TEST - Earthquake Current - Not a Real Event - TEST TEST

Check bulletin and map for tsunامي information in the Indian Ocean

About FAQ Latest Public Bulletin

Warning Status

Australia	Bangladesh	Comoros	Djibouti
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	06:00 UTC 10 June 2020	9.0	Nicobar Islands, Indian region *** TEST EVENT ***

Tsunami Wave Observations

#	Location	MAX	Date	Ev.
1	Nancowry	8.00m	06:25 UTC 10 Jun	1
2	Kirinda	4.00m	08:00 UTC 10 Jun	1
3	Cocos Island	0.85m	08:45 UTC 10 Jun	1
4	Christmas Is	0.30m	09:00 UTC 10 Jun	1
5	Male	2.30m	09:15 UTC 10 Jun	1

National Tsunami Warning Centres

[Australia](#) [Bangladesh](#) [France \(Indian Ocean Territories\)](#) [India](#) [Indonesia](#) [Kenya](#) [Madagascar](#) [Malaysia](#) [Maldives](#) [Mauritius](#) [Mozambique](#) [Myanmar](#) [Oman](#) [Pakistan](#) [Seychelles](#) [Singapore](#)

Leaflet | Powered by Esri

Appendix G: Test Messages Transmitted by each TSP

TSP AUSTRALIA Test Start Message

WEIO24 AMMC 100600

TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST

INDIAN OCEAN TSUNAMI WARNING AND MITIGATION SYSTEM [IOTWMS] COMMUNICATIONS TEST
0600 UTC 10 JUNE 2020
TSP AUSTRALIA [JATWC]

TO: NATIONAL TSUNAMI WARNING CENTRES IN THE INDIAN OCEAN

A COMMUNICATIONS TEST OF THE IOTWMS IS ABOUT TO COMMENCE.
PARTICIPATING NATIONAL TSUNAMI WARNING CENTRES SHOULD REFER TO THE
- IOTWMS COMMUNICATIONS TEST 10 JUNE 2020 TECHNICAL MANUAL - DOCUMENT FOR DETAILS OF
THE TEST TSP NOTIFICATION MESSAGES THEY ARE ABOUT TO RECEIVE, AND THE TEST LOG THEY
ARE REQUIRED TO COMPLETE.

THIS IS A TEST ONLY.

TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST

Appendix G: Test Messages Transmitted by each TSP (continued)

TSP AUSTRALIA Message 1

WEIO24 AMMC 100605

IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT

#####

TEST TSUNAMI BULLETIN NOTIFICATION MESSAGE NUMBER 1 IOTWMS TSUNAMI SERVICE PROVIDER
AUSTRALIA [JATWC] ISSUED AT 0605 UTC WEDNESDAY 10 JUNE 2020

TO: INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES [NTWCs]
FROM: IOTWMS-TSP AUSTRALIA

NOTIFICATION:
IOTWMS-TSP AUSTRALIA HAS JUST ISSUED TSUNAMI BULLETIN NUMBER 1 FOR THE INDIAN OCEAN,
BASED ON THE FOLLOWING EARTHQUAKE EVENT:

MAGNITUDE: 9.0 MWP
DEPTH: 10KM
DATE: 10 JUN 2020
ORIGIN TIME: 0600 UTC
LATITUDE: 7.20N
LONGITUDE: 92.90E
LOCATION: NICOBAR ISLANDS, INDIAN REGION

TO VIEW THE BULLETIN GO TO THE IOTWMS-TSP AUSTRALIA WEBSITE AT:

<http://reg.bom.gov.au/tsunami/rtsp/index.shtml>

NOTE: THIS IS A RESTRICTED-ACCESS WEBSITE CONTAINING TECHNICAL DATA FOR NATIONAL
TSUNAMI WARNING CENTRES ONLY. IT IS NOT FOR GENERAL PUBLIC ACCESS.

GENERAL PUBLIC INFORMATION FOR THIS EVENT IS AVAILABLE FROM:

JOINT AUSTRALIAN TSUNAMI WARNING CENTRE [JATWC] BUREAU OF METEOROLOGY MELBOURNE,
AUSTRALIA <http://www.bom.gov.au/tsunami>

END OF NOTIFICATION MESSAGE

IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT

#####

Appendix G: Test Messages Transmitted by each TSP (continued)

TSP AUSTRALIA Message 2

WEIO24 AMMC 100615

IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT

#####

TEST TSUNAMI BULLETIN NOTIFICATION MESSAGE NUMBER 2 IOTWMS TSUNAMI SERVICE PROVIDER
AUSTRALIA [JATWC] ISSUED AT 0615 UTC WEDNESDAY 10 JUNE 2020

TO: INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES [NTWCs]
FROM: IOTWMS-TSP AUSTRALIA

NOTIFICATION:
IOTWMS-TSP AUSTRALIA HAS JUST ISSUED TSUNAMI BULLETIN NUMBER 2 FOR THE INDIAN OCEAN,
BASED ON THE FOLLOWING EARTHQUAKE EVENT:

MAGNITUDE: 9.0 MWP
DEPTH: 10KM
DATE: 10 JUN 2020
ORIGIN TIME: 0600 UTC
LATITUDE: 7.20N
LONGITUDE: 92.90E
LOCATION: NICOBAR ISLANDS, INDIAN REGION

TO VIEW THE BULLETIN GO TO THE IOTWMS-TSP AUSTRALIA WEBSITE AT:

<http://reg.bom.gov.au/tsunami/rtsp/index.shtml>

NOTE: THIS IS A RESTRICTED-ACCESS WEBSITE CONTAINING TECHNICAL DATA FOR NATIONAL
TSUNAMI WARNING CENTRES ONLY. IT IS NOT FOR GENERAL PUBLIC ACCESS.

GENERAL PUBLIC INFORMATION FOR THIS EVENT IS AVAILABLE FROM:

JOINT AUSTRALIAN TSUNAMI WARNING CENTRE [JATWC] BUREAU OF METEOROLOGY MELBOURNE,
AUSTRALIA <http://www.bom.gov.au/tsunami>

END OF NOTIFICATION MESSAGE

IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT

#####

Appendix G: Test Messages Transmitted by each TSP (continued)

TSP AUSTRALIA Message 3

WEIO24 AMMC 100630

IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT

#####

TEST TSUNAMI BULLETIN NOTIFICATION MESSAGE NUMBER 3 IOTWMS TSUNAMI SERVICE PROVIDER
AUSTRALIA [JATWC] ISSUED AT 0630 UTC WEDNESDAY 10 JUNE 2020

TO: INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES [NTWCs]
FROM: IOTWMS-TSP AUSTRALIA

NOTIFICATION:
IOTWMS-TSP AUSTRALIA HAS JUST ISSUED TSUNAMI BULLETIN NUMBER 3 FOR THE INDIAN OCEAN,
BASED ON THE FOLLOWING EARTHQUAKE EVENT:

MAGNITUDE: 9.0 MWP
DEPTH: 10KM
DATE: 10 JUN 2020
ORIGIN TIME: 0600 UTC
LATITUDE: 7.20N
LONGITUDE: 92.90E
LOCATION: NICOBAR ISLANDS, INDIAN REGION

TO VIEW THE BULLETIN GO TO THE IOTWMS-TSP AUSTRALIA WEBSITE AT:

<http://reg.bom.gov.au/tsunami/rtsp/index.shtml>

NOTE: THIS IS A RESTRICTED-ACCESS WEBSITE CONTAINING TECHNICAL DATA FOR NATIONAL
TSUNAMI WARNING CENTRES ONLY. IT IS NOT FOR GENERAL PUBLIC ACCESS.

GENERAL PUBLIC INFORMATION FOR THIS EVENT IS AVAILABLE FROM:

JOINT AUSTRALIAN TSUNAMI WARNING CENTRE [JATWC] BUREAU OF METEOROLOGY MELBOURNE,
AUSTRALIA <http://www.bom.gov.au/tsunami>

END OF NOTIFICATION MESSAGE

IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT

#####

Appendix G: Test Messages Transmitted by each TSP (continued)

TSP AUSTRALIA Message 4

WEIO24 AMMC 100645

```
#####  
#  
# IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT  
#  
#####
```

TEST TSUNAMI BULLETIN NOTIFICATION MESSAGE NUMBER 4 IOTWMS TSUNAMI SERVICE PROVIDER
AUSTRALIA [JATWC] ISSUED AT 0645 UTC WEDNESDAY 10 JUNE 2020

TO: INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES [NTWCs]
FROM: IOTWMS-TSP AUSTRALIA

NOTIFICATION:

IOTWMS-TSP AUSTRALIA HAS JUST ISSUED TSUNAMI BULLETIN NUMBER 4 FOR THE INDIAN OCEAN,
BASED ON THE FOLLOWING EARTHQUAKE EVENT:

MAGNITUDE: 9.0 MWP
DEPTH: 10KM
DATE: 10 JUN 2020
ORIGIN TIME: 0600 UTC
LATITUDE: 7.20N
LONGITUDE: 92.90E
LOCATION: NICOBAR ISLANDS, INDIAN REGION

TO VIEW THE BULLETIN GO TO THE IOTWMS-TSP AUSTRALIA WEBSITE AT:

<http://reg.bom.gov.au/tsunami/rtsp/index.shtml>

NOTE: THIS IS A RESTRICTED-ACCESS WEBSITE CONTAINING TECHNICAL DATA FOR NATIONAL
TSUNAMI WARNING CENTRES ONLY. IT IS NOT FOR GENERAL PUBLIC ACCESS.

GENERAL PUBLIC INFORMATION FOR THIS EVENT IS AVAILABLE FROM:

JOINT AUSTRALIAN TSUNAMI WARNING CENTRE [JATWC] BUREAU OF METEOROLOGY MELBOURNE,
AUSTRALIA <http://www.bom.gov.au/tsunami>

END OF NOTIFICATION MESSAGE

```
#####  
#  
# IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT  
#  
#####
```

Appendix G: Test Messages Transmitted by each TSP (continued)

TSP INDIA Test Start Message

WEIO20 DEMS 100600

```
#####  
#      IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT  
#####
```

TSUNAMI BULLETIN NOTIFICATION STARTUP MESSAGE
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWC)
ISSUED AT 0600 UTC WEDNESDAY 10 JUNE 2020

TO: INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES (NTWCs)
FROM: IOTWMS-TSP INDIA

TSUNAMI COMMUNICATIONS TEST OF THE IOTWMS IS ABOUT TO COMMENCE.
PARTICIPATING NATIONAL TSUNAMI WARNING CENTRES SHOULD REFER TO THE
"IOTWMS COMMUNICATIONS TEST 10 JUNE 2020 TECHNICAL MANUAL"
FOR DETAILS OF THE TEST TSP NOTIFICATION MESSAGES THEY
ARE ABOUT TO RECEIVE, AND THE TEST LOG THEY ARE REQUIRED TO
COMPLETE.

END OF TEST NOTIFICATION STARTUPMESSAGE

```
#####  
#      IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT  
#####
```

Appendix G: Test Messages Transmitted by each TSP (continued)

TSP INDIA Message 1

WEIO20 DEMS 100605

```
#####  
# IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT  
#####
```

TSUNAMI BULLETIN NOTIFICATION MESSAGE NUMBER 1
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWC)
ISSUED AT 0605 UTC WEDNESDAY 10 JUNE 2020

TO: INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES (NTWCs)
FROM: IOTWMS-TSP INDIA

NOTIFICATION:

IOTWMS-TSP INDIA HAS JUST ISSUED TSUNAMI BULLETIN NUMBER 1 FOR THE INDIAN OCEAN, BASED ON THE FOLLOWING EARTHQUAKE EVENT:

MAGNITUDE: 9 M
DEPTH: 10 km
DATE: 10 JUN 2020
ORIGIN TIME: 0600 UTC
LATITUDE: 7.2 N
LONGITUDE: 92.9 E
LOCATION: NICOBAR ISLANDS, INDIA REGION

TO VIEW THE BULLETIN GO TO THE IOTWMS-TSP INDIA WEBSITE AT:

http://www.incois.gov.in/Incois/tsunami/COMM_login.jsp

NOTE: THIS IS A RESTRICTED-ACCESS WEBSITE CONTAINING TECHNICAL DATA FOR INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES ONLY. IT IS NOT FOR GENERAL PUBLIC ACCESS.

GENERAL PUBLIC INFORMATION FOR THIS EVENT IS AVAILABLE FROM:

INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)
INDIAN NATIONAL CENTRE FOR OCEAN INFORMATION SERVICES (INCOIS)
ADDRESS: "OCEAN VALLEY", PRAGATHI NAGAR (BO), NIZAMPET (SO),
HYDERABAD - 500 090, INDIA
PHONE: 91-40-23895011
FAX: 91-40-23895012
EMAIL: tsunami@incois.gov.in
WEB: www.tsunami.incois.gov.in/TEWS/TSP

END OF NOTIFICATION MESSAGE

```
#####  
# IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT  
#####
```

Appendix G: Test Messages Transmitted by each TSP (continued)

TSP INDIA Message 2

WEIO20 DEMS 100615

IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT
#####

TSUNAMI BULLETIN NOTIFICATION MESSAGE NUMBER 2
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWC)
ISSUED AT 0615 UTC WEDNESDAY 10 JUNE 2020

TO: INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES (NTWCs)
FROM: IOTWMS-TSP INDIA

NOTIFICATION:
IOTWMS-TSP INDIA HAS JUST ISSUED TSUNAMI BULLETIN NUMBER 2 FOR
THE INDIAN OCEAN, BASED ON THE FOLLOWING EARTHQUAKE EVENT:

MAGNITUDE: 9 M
DEPTH: 10 km
DATE: 10 JUN 2020
ORIGIN TIME: 0600 UTC
LATITUDE: 7.2 N
LONGITUDE: 92.9 E
LOCATION: NICOBAR ISLANDS, INDIA REGION

TO VIEW THE BULLETIN GO TO THE IOTWMS-TSP INDIA WEBSITE AT:

http://www.incois.gov.in/Incois/tsunami/COMM_login.jsp

NOTE: THIS IS A RESTRICTED-ACCESS WEBSITE CONTAINING TECHNICAL DATA
FOR INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES ONLY. IT IS NOT
FOR GENERAL PUBLIC ACCESS.

GENERAL PUBLIC INFORMATION FOR THIS EVENT IS AVAILABLE FROM:

INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)
INDIAN NATIONAL CENTRE FOR OCEAN INFORMATION SERVICES (INCOIS)
ADDRESS:"OCEAN VALLEY", PRAGATHI NAGAR (BO), NIZAMPET (SO),
HYDERABAD - 500 090, INDIA
PHONE: 91-40-23895011
FAX: 91-40-23895012
EMAIL: tsunami@incois.gov.in
WEB: www.tsunami.incois.gov.in/TEWS/TSP

END OF NOTIFICATION MESSAGE

IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT
#####

Appendix G: Test Messages Transmitted by each TSP (continued)

TSP INDIA Message 3

WEIO20 DEMS 100630

IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT
#####

TSUNAMI BULLETIN NOTIFICATION MESSAGE NUMBER 3
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWC)
ISSUED AT 0630 UTC WEDNESDAY 10 JUNE 2020

TO: INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES (NTWCs)
FROM: IOTWMS-TSP INDIA

NOTIFICATION:

IOTWMS-TSP INDIA HAS JUST ISSUED TSUNAMI BULLETIN NUMBER 3 FOR
THE INDIAN OCEAN, BASED ON THE FOLLOWING EARTHQUAKE EVENT:

MAGNITUDE: 9 M
DEPTH: 10 km
DATE: 10 JUN 2020
ORIGIN TIME: 0600 UTC
LATITUDE: 7.2 N
LONGITUDE: 92.9 E
LOCATION: NICOBAR ISLANDS, INDIA REGION

TO VIEW THE BULLETIN GO TO THE IOTWMS-TSP INDIA WEBSITE AT:

http://www.incois.gov.in/Incois/tsunami/COMM_login.jsp

NOTE: THIS IS A RESTRICTED-ACCESS WEBSITE CONTAINING TECHNICAL DATA
FOR INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES ONLY. IT IS NOT
FOR GENERAL PUBLIC ACCESS.

GENERAL PUBLIC INFORMATION FOR THIS EVENT IS AVAILABLE FROM:

INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)
INDIAN NATIONAL CENTRE FOR OCEAN INFORMATION SERVICES (INCOIS)
ADDRESS: "OCEAN VALLEY", PRAGATHI NAGAR (BO), NIZAMPET (SO),
HYDERABAD - 500 090, INDIA
PHONE: 91-40-23895011
FAX: 91-40-23895012
EMAIL: tsunami@incois.gov.in
WEB: www.tsunami.incois.gov.in/TEWS/TSP

END OF NOTIFICATION MESSAGE

IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT

Appendix G: Test Messages Transmitted by each TSP (continued)

TSP INDIA Message 4

WEIO20 DEMS 100645

IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT
#####

TSUNAMI BULLETIN NOTIFICATION MESSAGE NUMBER 4
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWC)
ISSUED AT 0645 UTC WEDNESDAY 10 JUNE 2020

TO: INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES (NTWCs)
FROM: IOTWMS-TSP INDIA

NOTIFICATION:
IOTWMS-TSP INDIA HAS JUST ISSUED TSUNAMI BULLETIN NUMBER 4 FOR
THE INDIAN OCEAN, BASED ON THE FOLLOWING EARTHQUAKE EVENT:

MAGNITUDE: 9 M
DEPTH: 10 km
DATE: 10 JUN 2020
ORIGIN TIME: 0600 UTC
LATITUDE: 7.2 N
LONGITUDE: 92.9 E
LOCATION: NICOBAR ISLANDS, INDIA REGION

TO VIEW THE BULLETIN GO TO THE IOTWMS-TSP INDIA WEBSITE AT:

http://www.incois.gov.in/Incois/tsunami/COMM_login.jsp

NOTE: THIS IS A RESTRICTED-ACCESS WEBSITE CONTAINING TECHNICAL DATA
FOR INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES ONLY. IT IS NOT
FOR GENERAL PUBLIC ACCESS.

GENERAL PUBLIC INFORMATION FOR THIS EVENT IS AVAILABLE FROM:

INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)
INDIAN NATIONAL CENTRE FOR OCEAN INFORMATION SERVICES (INCOIS)
ADDRESS: "OCEAN VALLEY", PRAGATHI NAGAR (BO), NIZAMPET (SO),
HYDERABAD - 500 090, INDIA
PHONE: 91-40-23895011
FAX: 91-40-23895012
EMAIL: tsunami@incois.gov.in
WEB: www.tsunami.incois.gov.in/TEWS/TSP

END OF NOTIFICATION MESSAGE

IOTWMS COMMS TEST 10 JUNE 2020 - NOT A REAL TSUNAMI EVENT
#####

Appendix G: Test Messages Transmitted by each TSP (continued)

TSP INDONESIA Start Test Message

TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST
INDIAN OCEAN TSUNAMI WARNING AND MITIGATION SYSTEM (IOTWS) COMMUNICATION TEST
0600 UTC 10 JUNE 2020
TSP INDONESIA (InaTEWS)

TO: NATIONAL TSUNAMI WARNING CENTRES in the INDIAN OCEAN

A COMMUNICATIONS TEST OF THE IOTWS IS ABOUT TO COMMENCE.
PARTICIPATING NATIONAL TSUNAMI WARNING CENTRES SHOULD REFER TO THE "IOTWS
COMMUNICATIONS TEST 10 JUNE 2020 TECHNICAL MANUAL"
DOCUMENT FOR DETAILS OF THE TEST RTSP NOTIFICATION MESSAGES THEY ARE ABOUT TO
RECEIVE, AND THE TEST LOG THEY ARE REQUIRED TO COMPLETE.

Messages will be sent as following:

Time	Notification Message
0600 UTC	Announcement Message issued
0605 UTC	Notification Message Number 1 issued (for Tsunami Bulletin 1 - Earthquake Information)
0615 UTC	Notification Message Number 2 issued (for Tsunami Bulletin 2 - Potential Threat)
0630 UTC	Notification Message Number 3 issued (for Tsunami Bulletin 3 - Confirmed Threat)
0645 UTC	Notification Message Number 4 issued (for Tsunami Bulletin 4 - Final)

TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST

Appendix G: Test Messages Transmitted by each TSP (continued)

TSP INDONESIA Message1

TEST TEST TEST TEST TEST CommTEST-Jun-2020 TEST TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2020 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20200610-0605-001

TSUNAMI BULLETIN NOTIFICATION MESSAGE NUMBER 1 IOTWMS TSUNAMI SERVICE PROVIDER
INDONESIA (InaTEWS-BMKG) issued at 0605 UTC, Wednesday, 10 June 2020

TO: INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES (NTWC)
FROM: IOTWMS-TSP INDONESIA

NOTIFICATION:

IOTWMS-TSP INDONESIA HAS JUST ISSUED TSUNAMI BULLETIN NUMBER 1 FOR THE INDIAN OCEAN,
BASED ON THE FOLLOWING EARTHQUAKE EVENT:

Magnitude : 9.0 Mwp
Depth : 10km
Date : 10 Jun 2020
Origin Time: 06:00:00 UTC
Latitude : 7.20N
Longitude : 92.90E
Location : Nicobar Islands, India Region

TO VIEW THE BULLETIN GO TO THE IOTWMS-TSP INDONESIA WEBSITE AT:

<http://rtsp.bmkg.go.id>

NOTE: THIS IS A RESTRICTED-ACCESS WEBSITE CONTAINING TECHNICAL DATA FOR INDIAN OCEAN
NATIONAL TSUNAMI WARNING CENTRES ONLY. IT IS NOT FOR GENERAL PUBLIC ACCESS.

GENERAL PUBLIC INFORMATION FOR THIS EVENT IS AVAILABLE FROM:

INDONESIA TSUNAMI EARLY WARNING SYSTEM (InaTEWS) THE AGENCY FOR METEOROLOGY
CLIMATOLOGY AND GEOPHYSICS (BMKG)

Address: Jl. Angkasa I no.2 Kemayoran, Jakarta, Indonesia, 10720

Tel.: +62 (21) 65867045

Fax: +62 (21) 6546316

P.O. Box 3540 Jakarta

Website: <http://rtsp.bmkg.go.id/publicbull.php>

Email : inartsp@bmkg.go.id

monitrtp@bmkg.go.id

END OF NOTIFICATION MESSAGE

TEST TEST TEST TEST TEST CommTEST-Jun-2020 TEST TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2020 TEST TEST TEST TEST TEST TEST TEST

Appendix G: Test Messages Transmitted by each TSP (continued)

TSP INDONESIA Message2

TEST TEST TEST TEST TEST CommTEST-Jun-2020 TEST TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2020 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20200610-0615-002

TSUNAMI BULLETIN NOTIFICATION MESSAGE NUMBER 2 IOTWMS TSUNAMI SERVICE PROVIDER
INDONESIA (InaTEWS-BMKG) issued at 0615 UTC, Wednesday, 10 June 2020

TO: INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES (NTWC)
FROM: IOTWMS-TSP INDONESIA

NOTIFICATION:

IOTWMS-TSP INDONESIA HAS JUST ISSUED TSUNAMI BULLETIN NUMBER 2 FOR THE INDIAN OCEAN,
BASED ON THE FOLLOWING EARTHQUAKE EVENT:

Magnitude : 9.0 Mwp (REVISED)
Depth : 10km
Date : 10 Jun 2020
Origin Time: 06:00:00 UTC
Latitude : 7.20N
Longitude : 92.90E
Location : Nicobar Islands, India Region

TO VIEW THE BULLETIN GO TO THE IOTWMS-TSP INDONESIA WEBSITE AT:

<http://rtsp.bmkg.go.id>

NOTE: THIS IS A RESTRICTED-ACCESS WEBSITE CONTAINING TECHNICAL DATA FOR INDIAN OCEAN
NATIONAL TSUNAMI WARNING CENTRES ONLY. IT IS NOT FOR GENERAL PUBLIC ACCESS.

GENERAL PUBLIC INFORMATION FOR THIS EVENT IS AVAILABLE FROM:

INDONESIA TSUNAMI EARLY WARNING SYSTEM (InaTEWS) THE AGENCY FOR METEOROLOGY
CLIMATOLOGY AND GEOPHYSICS (BMKG)

Address: Jl. Angkasa I no.2 Kemayoran, Jakarta, Indonesia, 10720

Tel.: +62 (21) 65867045

Fax: +62 (21) 6546316

P.O. Box 3540 Jakarta

Website: <http://rtsp.bmkg.go.id/publicbull.php>

Email : inartsp@bmkg.go.id

monitrtp@bmkg.go.id

END OF NOTIFICATION MESSAGE

TEST TEST TEST TEST TEST CommTEST-Jun-2020 TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST TEST TEST CommTEST-Jun-2020 TEST TEST TEST
TEST TEST TEST TEST

Appendix G: Test Messages Transmitted by each TSP (continued)

TSP INDONESIA Message3

TEST TEST TEST TEST TEST CommTEST-Jun-2020 TEST TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2020 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20200610-0630-003

TSUNAMI BULLETIN NOTIFICATION MESSAGE NUMBER 3 IOTWMS TSUNAMI SERVICE PROVIDER
INDONESIA (InaTEWS-BMKG) issued at 0630 UTC, Wednesday, 10 June 2020

TO: INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES (NTWC)
FROM: IOTWMS-TSP INDONESIA

NOTIFICATION:

IOTWMS-TSP INDONESIA HAS JUST ISSUED TSUNAMI BULLETIN NUMBER 3 FOR THE INDIAN OCEAN,
BASED ON THE FOLLOWING EARTHQUAKE EVENT:

Magnitude : 9.0 Mwp (REVISED)
Depth : 10km
Date : 10 Jun 2020
Origin Time: 06:00:00 UTC
Latitude : 7.20N
Longitude : 92.90E
Location : Nicobar Islands, India Region

TO VIEW THE BULLETIN GO TO THE IOTWMS-TSP INDONESIA WEBSITE AT:

<http://rtsp.bmkg.go.id>

NOTE: THIS IS A RESTRICTED-ACCESS WEBSITE CONTAINING TECHNICAL DATA FOR INDIAN OCEAN
NATIONAL TSUNAMI WARNING CENTRES ONLY. IT IS NOT FOR GENERAL PUBLIC ACCESS.

GENERAL PUBLIC INFORMATION FOR THIS EVENT IS AVAILABLE FROM:

INDONESIA TSUNAMI EARLY WARNING SYSTEM (InaTEWS) THE AGENCY FOR METEOROLOGY
CLIMATOLOGY AND GEOPHYSICS (BMKG)

Address: Jl. Angkasa I no.2 Kemayoran, Jakarta, Indonesia, 10720

Tel.: +62 (21) 65867045

Fax: +62 (21) 6546316

P.O. Box 3540 Jakarta

Website: <http://rtsp.bmkg.go.id/publicbull.php>

Email : inartsp@bmkg.go.id

monitrtp@bmkg.go.id

END OF NOTIFICATION MESSAGE

TEST TEST TEST TEST TEST CommTEST-Jun-2020 TEST TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2020 TEST TEST TEST TEST TEST TEST TEST

Appendix G: Test Messages Transmitted by each TSP (continued)

TSP INDONESIA Message 4

TEST TEST TEST TEST TEST CommTEST-Jun-2020 TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2020 TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20200610-0645-04

TSUNAMI BULLETIN NOTIFICATION MESSAGE NUMBER 4 IOTWMS TSUNAMI SERVICE PROVIDER
INDONESIA (InaTEWS-BMKG) issued at 0645 UTC, Wednesday, 10 June 2020

TO: INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES (NTWC)
FROM: IOTWMS-TSP INDONESIA

NOTIFICATION:

IOTWMS-TSP INDONESIA HAS JUST ISSUED TSUNAMI BULLETIN NUMBER 4 FOR THE INDIAN OCEAN,
BASED ON THE FOLLOWING EARTHQUAKE EVENT:

Magnitude : 9.0 Mwp (REVISED)
Depth : 10km
Date : 10 Jun 2020
Origin Time: 06:00:00 UTC
Latitude : 7.20N
Longitude : 92.90E
Location : Nicobar Islands, India Region

TO VIEW THE BULLETIN GO TO THE IOTWMS-TSP INDONESIA WEBSITE AT:

<http://rtsp.bmkg.go.id>

NOTE: THIS IS A RESTRICTED-ACCESS WEBSITE CONTAINING TECHNICAL DATA FOR INDIAN OCEAN
NATIONAL TSUNAMI WARNING CENTRES ONLY. IT IS NOT FOR GENERAL PUBLIC ACCESS.

GENERAL PUBLIC INFORMATION FOR THIS EVENT IS AVAILABLE FROM:

INDONESIA TSUNAMI EARLY WARNING SYSTEM (InaTEWS) THE AGENCY FOR METEOROLOGY
CLIMATOLOGY AND GEOPHYSICS (BMKG)

Address: Jl. Angkasa I no.2 Kemayoran, Jakarta, Indonesia, 10720

Tel.: +62 (21) 65867045

Fax: +62 (21) 6546316

P.O. Box 3540 Jakarta

Website: <http://rtsp.bmkg.go.id/publicbull.php>

Email : inartsp@bmkg.go.id

monitrtp@bmkg.go.id

END OF NOTIFICATION MESSAGE

TEST TEST TEST TEST TEST CommTEST-Jun-2020 TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2020 TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST