Exercise IOWave25 Evaluation

Exercise IOWave25 Post-Exercise Evaluation

Exercise IOWave25 is comprised of four scenarios with simulated tsunami waves travelling across the Indian Ocean basin. Member States are invited to participate in one or more scenarios, which will be run in real-time:

- Scenario 1, Sunda Trench: Starting at 01:00 UTC on 25 September 2025 (Thursday): Magnitude 9.0 earthquake in Sunda Strait, Indonesia.
- Scenario 2, **Makran Trench**: Starting at 06:00 UTC on 15 October 2025 (Wednesday): Magnitude 9.0 earthquake in the Makran trench off the coast of Pakistan.
- Scenario 3, Fani Maore Volcano: Starting at 15:00 UTC (eruption at 14:00 UTC) on 25 October 2025 (Saturday): Tsunami generated by volcanic eruption at Fani Maore in the Mozambique Channel between Madagascar and the eastern coast of Africa.
- Scenario 4, Sumatra Trench: Starting at 03:00 UTC on 05 November 2025 (Wednesday): Magnitude 9.2 earthquake in Northern Sumatra, Indonesia.

Exercise Objectives

There are nine (9) objectives of Exercise IOWave25. Each objective is designed to validate a part of the end-to-end tsunami warning and mitigation system.

Objectives 1 and 2 survey questions relate to the at-risk coastal communities.

- Objective 1: Validate procedures are in place to ensure tsunami warnings get to all in the community, including those with disabilities, all genders, elderly, and youth.
- Objective 2: Validate the level of community awareness, preparedness, and response.

Objective 3 and 4 survey questions relate to standard operating procedures at all levels in the national tsunami warning chain.

- Objective 3: Validate the Standard Operating Procedures associated with tsunami warning chains within countries for generating and disseminating tsunami warnings to their relevant emergency response agencies, other authorities, media, and the public.
- Objective 4: Validate the Standard Operating Procedures associated with tsunami warning chains within countries for the issuing of public safety messages, ordering evacuations and where possible issuing all-clear messages.

Objectives 5 to 8 survey questions relate to the National Tsunami Warning Center and NAVAREA stakeholders.

- Objective 5: Validate dissemination by TSPs of Tsunami Bulletin Notification Messages to NTWCs via Tsunami Warning Focal Points (TWFPs) of Indian Ocean countries and the reception by NTWCs of the TSP messages. Validate the access by NTWCs to the tsunami bulletins and other products on the TSP websites, and the use of that information for the production of national warnings.
- Objective 6: Validate dissemination by TSPs of Tsunami Bulletin Notification nmessages for NAVAREA stakeholders to ensure navigational safety and security.
- Objective 7: Validate access by NTWCs to the tsunami bulletins and other products on the TSP websites, and the use of that information to produce national warnings. Validate the reporting by NTWCs to the TSPs of their National Tsunami Warning Status.
- Objective 8: Validate the reporting by NTWCs to the TSPs of their National Tsunami Warning Status.
- . Objective 9: Validate receipt and understanding by NTWCs of new TSP service for tsunamis generated by non-seismic and complex sources.

Instructions

The evaluation will take approximately 2-3 hours to complete once all required inputs have been received from your national stakeholders (i.e., National Tsunami Warning Centres, NAVAREA coordinators, Disaster Management Organisations, communities) who were involved in the exercise.

It is possible to exit a partially completed survey for completion later. Simply exit the survey and use the link provided to you by email to access it again when you are ready to answer more questions. In this way you can complete the survey at your own pace and go back to amend responses if necessary.

Please complete and submit the online survey by 30 November 2025.

Any questions can be directed to the ICG/IOTWMS Secretariat (email: iotwms@unesco.org).

1. C c	puntry
	[contact("country")]
2. De	etails of National IOWave Exercise Contact
N	lame
	[contact("first name")]
3.	Position
	[contact("role")]
4	
4.	Agency [contact("organization")]
	portact(organization /j
5.	Email
	[contact("email")]
6.	Phone
	[contact("work phone")]
Particip	ation
	ease select all exercise scenarios that your country partiicpated in. e than 1 option can be selected.) *
	Sunda Trench (25 September 2025)
	Makran Trench (15 October 2025)
	Fani Maore Volcano (25 October 2025)
	Sumatra Trench (05 November 2025)

TYPES OF EXERCISES

- An Orientation Exercise lays the groundwork for a comprehensive exercise programme. It is a planned event, developed to bring together
 individuals and officials with a role or interest in multi-hazard response planning, problem solving, development of standard operational procedures
 (SOPs), and resource integration and coordination. An Orientation Exercise will have a specific goal and written objectives and result in an agreed
 upon Plan of Action.
- 2. A Drill is a planned activity that tests, develops, and/or maintains skills in a single or limited emergency response procedure. Drills generally involve operational response of single departments or agencies, organizations, or facilities, but may be a subset of full-scale exercises. Drills can involve internal notifications and/or field activities. Limited evacuation may or may not be conducted, such as within a school, pilot hotel, or village.
- 3. A Tabletop Exercise is a planned activity in which local officials, key staff, and organizations with disaster management responsibilities are presented with simulated emergency situations. It is usually informal, in a conference room environment, and is designed to elicit constructive discussion from the participants to assess plans, policies, and procedures. Individuals are encouraged to discuss decisions based on their organization's Standard Operating Procedures (SOPs) with emphasis on slow-paced problem solving, rather than rapid, real-time decision-making. A Tabletop Exercise should have specific goals, objectives, and a scenario narrative.
- 4. A Functional Exercise is a planned activity designed to test and evaluate individual functions, multiple activities within a function, or interdependent groups of functions among various agencies. It is based on a simulation of a realistic emergency situation. The Functional Exercise gives the decision-makers a fully simulated experience of being in a major disaster event. It should take place at the appropriate coordination locations (e.g. warning centres and emergency operations centres) and activate all the appropriate members designated by the plan. Organisations should test their SOPs using real-time simulation tsunami bulletins. Public evacuations may or may not be included. A Functional Exercise should have specific goals, objectives, and a scenario narrative.
- 5. A Full-scale Exercise is the culmination of a progressive exercise programme that has grown with the capacity of the community to conduct exercises. A Full-Scale exercise is a planned activity in a "challenging" environment that encompasses a majority of the tsunami warning and emergency management functions, and involves multiple layers of government (national, provincial, local). This type of exercise involves the actual mobilization and deployment of the appropriate personnel and resources needed to demonstrate operational capabilities. DMOs (Disaster Management Office) and other local command centres are required to be activated. It tests all aspects of emergency response, and should demonstrate inter-agency cooperation. A Full-scale exercise is the largest, costliest, and most complex exercise type. It may or may not include public evacuations.

End of the <u>Participation</u> survey section.

Objective 1: Validate procedures are in place to ensure tsunami warnings get to all in the community, including those with disabilities, all genders, elderly, and youth.

eiderly, and youth.
11. Were public tsunami warning messages accessed and understood by those with disabilities, all genders, elderly, and youth?
o Yes
O No
12. If yes, please describe measures implemented.

13. If no, please describe measures to be implemented.
Objective 2: Validate the level of community awareness, preparedness and response.
14. Have there been any pre-exercise community tsunami awareness activities? C Yes C No
15. Please specify the awareness activities undertaken (for example, public displays, community briefings, educational materials):
16. Did these activities cater for people with disabilities, all genders, elderly, and youth? C Yes C No Comments
17. Have there been any pre-exercise community preparedness activities? C Yes C No

18. What were the community preparedness activities between the last exercise and the current exercise? (Select all that apply.) Tsunami exercise Tsunami education in schools Participatory evacuation planning Community education seminars Evacuation maps Evacuation signage Shelter facilities Other - Write In					
19. Has there been any supp	oort for the	followir	ng activities prior to the exercise and from whom?		
	Supported	dactivity	If supported, from whom:		
	Yes	No	ії ѕирропец, ігоні мноні.		
Hazard mapping	o	O			
Tsunami inundation mapping	0	O			
Evacuation route mapping	o	O			
Tsunami signage	О	0			
Vertical evacuation shelters	О	0			
 Evacuation maps exist and 	d do account	t for evac	evacuation of disabled persons, all genders, elderly, and youth? evacuation of disabled persons, all genders, eldery, and youth.		
© Evacuation maps do not e	xist.				
Comments					
21. Were community evacua	itions conc	ducted in	n any areas?		
c Yes					
o No					

22. How many communities participated in evacuations?
Objective 2: Validate the level of community awareness, preparedness and response.
Please answer the following questions for Community .
23. Name of community:
24. Is the community recognised as UNESCO-IOC Tsunami Ready or any other similar recognition programme at national level? C Yes No
25. Comments:
26. What excercise scenario did the community evacuate during? C Sunda Trench (25 September) Makran Trench (15 October) Fani Maore Volcano (25 October) Sumatra Trench (05 November)
27. What is the estimated number of people that evacuated?
28. Approximately what percent of the people that evacuated were women?

29. Who evacuated? (Select all that apply.)
□ Beachgoers
□ Boat Users
☐ Home Residents
□ Businesses
□ Schools
☐ Hospitals
□ Hotels
People with disabilities
□ Elderly
☐ Elderly (in supported care)
☐ Youth
Other - Write In
Other - Write In
30. Have community members received prior evacuation training?
o Yes
o Yes o No
C No
C No
C No
C No
Comments
C No
Comments Comments 31. Are Standard Operating Procedures for community evacuation in place?
Comments 31. Are Standard Operating Procedures for community evacuation in place? Yes
Comments 31. Are Standard Operating Procedures for community evacuation in place? C Yes C No
Comments 31. Are Standard Operating Procedures for community evacuation in place? Yes No No
Comments 31. Are Standard Operating Procedures for community evacuation in place? C Yes C No
Comments 31. Are Standard Operating Procedures for community evacuation in place? Yes No No
Comments 31. Are Standard Operating Procedures for community evacuation in place? Yes No No
Comments 31. Are Standard Operating Procedures for community evacuation in place? Yes No No

33. How were community members notified that an evacuation order was issued? (Select all that apply.) Siren Door-to-door Public announcement Radio / TV Mobile Phone / Social Media Evacuation time set prior to the exercise Other - Write In
34. What time was the evacuation order issued? (Specify UTC or local time.)
35. What time did the community receive the evacuation notification? (Specify UTC or local time.)
36. At what time was the evacuation? (Specify UTC or local time.)
37. Did the community receive an all-clear message? C Yes No
38. At what time did the community receive the all-clear message? (Specify UTC or local time.)
39. How was the all-clear message issued to the public? (Specify the mode of communication.)

40. At what time did the people return to their residences? (Specify UTC or local time.)
41. Please provide the details of any problems encountered during evacuation:
42. How could future evacuation exercises be improved?
Objective 2: Validate the level of community awareness, preparedness and response.
End of the Objective 1 and 2 survey questions related to at-risk coastal communities.
Objective 3: Validate the Standard Operating Procedures associated with tsunami warning chains within countries for generating and disseminating tsunami warnings to their relevant disaster response agencies, other authorities, media, and the public.
The following section is designed to assess who is responsible for generating and disseminating tsunami warnings and information to five types of recipients:
National Disaster Management Organisation (NDMO)

Provincial Disaster Management Organisation (PDMO)
 Local Disaster Management Organisation (LDMO)

5. Media6. Public

4. Other Authorities (e.g. port and airport authorities, marine rescue, beach life-saving organisations)

	Who sends tsunami messages to the recipient? (e.g. NTWC, NDMO, PDMO, LDMO and/or media)	Number of messages sent	Time 1st message sent (UTC)	Time last message sent (UTC)	Methods of delivery (e.g. em webpage, sms, fax, phone, radio, social media)	
NDMO						Yes No n/a
PDMO						Yes No n/a
LDMO						Yes No n/a
Media						Yes No n/a
Public						Yes No n/a
	following authorities and organisation ransmitted along the national tsunal					e tsunami warnings ar
				imely mann		e tsunami warnings ar
				imely mann	er? ard Operating Procedures	e tsunami warnings ar Partially
			chain in a t	imely mann Standa	er? ard Operating Procedures	
ciently to			chain in a t	imely manno Standa N	er? ard Operating Procedures	Partially
ciently to			Chain in a t	imely manno Standa N	er? ard Operating Procedures lo	Partially C
NTWC			Yes	imely manne Standa N	er? ard Operating Procedures	Partially C
NTWC NDMO PDMO	ransmitted along the national tsunar		Yes C C	Standa	er? ard Operating Procedures	Partially C C
NTWC NDMO PDMO LDMO	ransmitted along the national tsunar		Yes C C C	imely manno Standa	er? ard Operating Procedures lo	Partially C C C

45. How well did your Standard Operating Procedures perform for generating and disseminating tsunami warnings within your country?
Extremely Very C Well C Well C Well C Very Poor
Comments
Objective 3: Validate the Standard Operating Procedures associated with tsunami warning chains within countries for generating and disseminating tsunami warnings to their relevant disaster response agencies, other authorities, media, and the public.
To be completed with input from Disaster Management Organisations (DMOs) and/or National Tsunami Warning Centre (NTWC) as appropriate.
46. What Media participated in the Exercise? (Select all that apply.)
☐ Press (newspapers, magazines, journals)
□ Radio
☐ Television
□ Social - Facebook
☐ Social - WhatsApp
☐ Social - Twitter
Other - Write In
Other - Write In
Comments

47. What information did the Media broadcast?
☐ Pre-exercise tsunami awareness
☐ Information on the upcoming scheduled exercise
☐ Tsunami threat information
☐ Tsunami evacuation information
☐ All-clear information
☐ Mock interviews
☐ Coverage of the event
Cther - Write In
Other - Write In
Comments
40. Was the information by andeast by the Madia yeaful?
48. Was the information broadcast by the Media useful?
o Yes
C No
C Partially useful
Comments
49. How could Media involvement be improved in future exercises and real
events?
Objective 4: Validate the Standard Operating Procedures associated with tsunami warning chains within countries for the issuing of public safety
nessages, ordering evacuations and where possible issuing all-clear messages.

Agency abbreviations used are:

- 1. National Tsunami Warning Centre (NTWC)
- National Disaster Management Organisation (NDMO)
 Provincial Disaster Management Organisation (PDMO)
- 4. Local Disaster Management Organisation (LDMO)

				lic safety message nat issued public sa				
	Name of agency/authority that issues public safety messages	Agency type	Time message issued (UTC)	Communication method (e.g. email, webpage, sms, fax, phone, tv, radio, social media)	Were there any communication problems?	Content of message	Reason message issued	Comme
1.		NTWC NDMO PDMO LDMO Other			Yes No			
2.		NTWC NDMO PDMO LDMO Other			Yes No			
3.		NTWC NDMO PDMO LDMO Other			Yes No			
١.		NTWC NDMO PDMO LDMO Other			Yes No			
5.		NTWC NDMO PDMO LDMO Other			Yes No			
We	re evacuation or d	lers issued (during the	exercise?				
Y	re evacuation ord 'es lo	lers issued o	during the	exercise?				

	ease complete to followed	-			~			
	Name of agency/authority that issues evacuation orders	Agency type	Time message issued (UTC)	Communication method (e.g. email, webpage, sms, fax, phone, tv, radio, social media)	Were there any communication problems?	Content of message	Reason message issued	Comments
1.		NTWC NDMO PDMO LDMO Other			Yes No			
2.		NTWC NDMO PDMO LDMO Other			Yes No			
3.		NTWC NDMO PDMO LDMO Other			Yes No			
4.		NTWC NDMO PDMO LDMO Other			Yes No			
5.		NTWC NDMO PDMO LDMO Other			Yes			
	ere all-clear messa	ges issued	during the	exercise?				
o '								

	Name of agency/authority that issues all-clear messages	Agency type	Time message issued (UTC)	Communication method (e.g. email, webpage, sms, fax, phone, tv, radio, social media)	Were there any communication problems?	Content of message	Reason message issued	Commen
1.		NTWC NDMO PDMO LDMO-C Other			Yes No			
2.		NTWC NDMO PDMO LDMO-C Other			Yes No			
3.		NTWC NDMO PDMO LDMO-C Other			Yes No			
4.		NTWC NDMO PDMO LDMO-C Other			Yes A			
5.		NTWC NDMO PDMO LDMO-C Other			Yes A			
	of the <u>Objectives</u> mi warning chair		questions	s related to stand	dard operating	g procedures at a	all levels in the n	ational
	5: Validate the disse by NTWCs of the TS		SPs of Tsun	nami Bulletin Notifica	tion Messages to	NTWCs via TWFPs o	f Indian Ocean count	ries and the
56. Na	me of National Tsu	ınami Warninç	g Centre (c	organisational name	e):			

	ne four notification me response SOPs?	essage delivery medi	ums was the inform	ation received in a timely manner for you to carry
	GTS	Email	SMS	
TSP Australia	Received in time Received late Not received	Received in time Received late Not received	Received in time Received late Not received	
TSP India	Received in time Received late Not received	Received in time Received late Not received	Received in time Received late Not received	
TSP Indonesia	Received in time Received late Not received	Received in time Received late Not received	Received in time Received late Not received	
Comments				

Objective 5: Validate the dissemination by TSPs of Tsunami Bulletin Notification Messages to NTWCs via TWFPs of Indian Ocean countries and the reception by NTWCs of the TSP Messages.

58. Scenario 1: Sunda Trench, 25 September 2025

	GTS Time Received (UTC)	Email Time Received (UTC)	SMS Time Received (UTC)
01:00 Sunda Trench Announcement Message			
01:10 Notification Message 1			
01:15 Notification Message 2			
01:25 Notification Message 3			
01:35 Notification Message 4			
01:45 Notification Message 5			
02:45 Notification Message 6			
03:45 Notification Message 7			
04:45 Notification Message 8			
05:45 Notification Message 9			
06:45 Notification Message 10			
07:45 Notification Message 11			
08:45 Notification Message 12			
09:45 Notification Message 13			
10:45 Notification Message 14			
11:45 Notification Message 15			
12:45 Notification Message 16			

59. Scenario 1: Sunda Trench, 25 September 2025

	GTS Time Received (UTC)	Email Time Received (UTC)	SMS Time Received (UTC)
01:00 Sunda Trench Announcement Message			
01:08 Notification Message 1			
01:15 Notification Message 2			
01:30 Notification Message 3			
02:00 Notification Message 4			
03:00 Notification Message 5			
04:00 Notification Message 6			
05:00 Notification Message 7			
06:00 Notification Message 8			
07:00 Notification Message 9			
08:00 Notification Message 10			
09:00 Notification Message 11			
10:00 Notification Message 12			
11:00 Notification Message 13			
12:00 Notification Message 14			
13:00 Notification Message 15			

00	0	als 05 0 and and an 0005					
60	. Scenario 1: Sunda Tren	cn, 25 September 2025					
Ple	Please provide the receipt times of TSP-Indonesia notification messages by the NTWC.						
		GTS Time Received (UTC)	Email Time Received (UTC)	SMS Time Received (UTC)			
	01:00 Sunda Trench Announcement Message						
	01:05 Notification Message 1						
	01:09 Notification Message 2						
	01:30 Notification Message 3						
	02:00 Notification Message 4						
	03:00 Notification Message 5						
	04:00 Notification Message 6						
	05:00 Notification Message 7						
	06:00 Notification Message 8						
	07:00 Notification Message 9						
	08:00 Notification Message 10						
	09:00 Notification Message 11						
	10:00 Notification Message 12						
	11:00 Notification Message 13						

Objective 5: Validate the dissemination by TSPs of Tsunami Bulletin Notification Messages to NTWCs via TWFPs of Indian Ocean countries and the reception by NTWCs of the TSP Messages.

61. Scenario 2: Makran Trench, 15 October 2025

	Time Received (UTC)	Email Time Received (UTC)	SMS Time Received (UTC)
06:00 Makran Trench Announcement Message			
06:10 Notification Message 1			
06:15 Notification Message 2			
06:35 Notification Message 3			
07:35 Notification Message 4			
08:35 Notification Message 5			
09:35 Notification Message 6			
10:35 Notification Message 7			
11:35 Notification Message 8			
12:35 Notification Message 9			
13:35 Notification Message 10			
14:35 Notification Message 11			
15:35 Notification Message 12			
16:35 Notification Message 13			
17:35 Notification Message 14			

62. Scenario 2: Makran Trench, 15 October 2025

	GTS Time Received (UTC)	Email Time Received (UTC)	SMS Time Received (UTC)
06:00 Makran Trench Announcement Message			
06:05 Notification Message 1			
06:15 Notification Message 2			
06:30 Notification Message 3			
07:00 Notification Message 4			
08:00 Notification Message 5			
09:00 Notification Message 6			
10:00 Notification Message 7			
11:00 Notification Message 8			
12:00 Notification Message 9			
13:00 Notification Message 10			
14:00 Notification Message 11			
15:00 Notification Message 12			
16:00 Notification Message 13			
17:00 Notification Message 14			
18:00 Notification Message 15			

33. Scenario 2: Makran Trench , 15 October 2025					
Please provide the receipt til	mes of TSP-Indonesia no	otification messages by the	NTWC.		
	GTS Time Received (UTC)	Email Time Received (UTC)	SMS Time Received (UTC)		
06:00 Makran Trench Announcement Message					
06:08 Notification Message 1					
06:13 Notification Message 2					
06:30 Notification Message 3					
07:00 Notification Message 4					
08:00 Notification Message 5					
09:00 Notification Message 6					
10:00 Notification Message 7					
11:00 Notification Message 8					
12:00 Notification Message 9					
13:00 Notification Message 10					
14:00 Notification Message 11					
15:00 Notification Message 12					
16:00 Notification Message 13					

Objective 5: Validate the dissemination by TSPs of Tsunami Bulletin Notification Messages to NTWCs via TWFPs of Indian Ocean countries and the reception by NTWCs of the TSP Messages.

64. Scenario 3: Fani Maore Volcano, 25 October 2025

	GTS Time Received (UTC)	Email Time Received (UTC)	SMS Time Received (UTC)
15:00 Fani Maore Volcano Announcement Message			
15:10 Notification Message 1			
16:00 Notification Message 2			
17:00 Notification Message 3			
18:00 Notification Message 4			
19:00 Notification Message 5			
20:00 Notification Message 6			
21:00 Notification Message 7			
22:00 Notification Message 8			
23:00 Notification Message 9			
00:00 (26-Oct) Notification Message 10			
01:00 (26-Oct) Notification Message 11			
02:00 (26-Oct) Notification Message 12			
03:00 (26-Oct) Notification Message 13			

65. Scenario 3: Fani Maore Volcano, 25 October 2025

	GTS Time Received (UTC)	Email Time Received (UTC)	SMS Time Received (UTC)
15:00 Fani Maore Volcano Announcement Message			
15:05 Notification Message 1			
15:30 Notification Message 2			
16:00 Notification Message 3			
17:00 Notification Message 4			
18:00 Notification Message 5			
19:00 Notification Message 6			
20:00 Notification Message 7			
21:00 Notification Message 8			
22:00 Notification Message 9			
23:00 Notification Message 10			
00:00 (26-Oct) Notification Message 11			
01:00 (26-Oct) Notification Message 12			
02:00 (26-Oct) Notification Message 13			
03:00 (26-Oct) Notification Message 14			

66. Scenario 3: Fani Maore Volcano, 25 October 2025 Please provide the receipt times of TSP-Indonesia notification messages by the NTWC. GTS SMS Email Time Received (UTC) Time Received (UTC) Time Received (UTC) 15:00 Fani Maore Volcano Announcement Message 15:05 Notification Message 1 Notification Message 2 17:00 Notification Message 3 18:00 Notification Message 4 19:00 Notification Message 5 20:00 Notification Message 6 21:00 Notification Message 7 22:00 Notification Message 8 23:00 Notification Message 9 00:00 (26-Oct) Notification Message 10 01:00 (26-Oct) Notification Message 11 02:00 (26-Oct) Notification Message 12 03:00 (26-Oct) Notification Message 13

Objective 5: Validate the dissemination by TSPs of Tsunami Bulletin Notification Messages to NTWCs via TWFPs of Indian Ocean countries and the reception by NTWCs of the TSP Messages.

67. Scenario 4: Sumatra Trench, 05 November 2025

	GTS Time Received (UTC)	Email Time Received (UTC)	SMS Time Received (UTC)
03:00 Sumatra Trench Announcement Message			
03:10 Notification Message 1			
03:15 Notification Message 2			
03:35 Notification Message 3			
04:35 Notification Message 4			
05:35 Notification Message 5			
06:35 Notification Message 6			
07:35 Notification Message 7			
08:35 Notification Message 8			
09:35 Notification Message 9			
10:35 Notification Message 10			
11:35 Notification Message 11			
12:35 Notification Message 12			
13:35 Notification Message 13			
14:35 Notification Message 14			

68. Scenario 4: Sumatra Trench, 05 November 2025

	GTS Time Received (UTC)	Email Time Received (UTC)	SMS Time Received (UTC)
03:00 Sumatra Trench Announcement Message			
03:08 Notification Message 1			
03:15 Notification Message 2			
02:34 Notification Message 3			
04:00 Notification Message 4			
05:00 Notification Message 5			
06:00 Notification Message 6			
076:00 Notification Message 7			
08:00 Notification Message 8			
09:00 Notification Message 9			
10:00 Notification Message 10			
11:00 Notification Message 11			
12:00 Notification Message 12			
13:00 Notification Message 13			
14:00 Notification Message 14			
15:00 Notification Message 15			

	GTS Time Received (UTC)	Email Time Received (UTC)	SMS Time Received (UTC)	
03:00 Sumatra Trench Announcement Message				
03:07 Notification Message 1				
03:12 Notification Message 2				
03:30 Notification Message 3				
04:00 Notification Message 4				
05:00 Notification Message 5				
06:00 Notification Message 6				
7:00 Notification Message 7				
08:00 Notification Message 8				
09:00 Notification Message 9				
0:00 Notification Message 10				
1:00 Notification Message 11				
2:00 Notification Message 12				
3:00 Notification Message 13				
ve 6: Validate the dissen and security.	nination by TSPs of Tsunar	mi Bulletin Notification mes	sages for NAVAREA stakeho	ders to ensure navigation
Did NAVAREA stakeho Yes No	olders participate in the I	Exercise?		
Did the stakeholders re Yes No	eceive the new TSP Tsu	nami NAVAREA messag	es?	
omments				

72. Were the new TSP products for NAVAREAs easily accessible and understood?							
O No							
Comments							
Objective 7: Valid produce national	late the access by NTWCs warnings.	to the tsunami bulletins	and other products on	the TSP websites, and th	ne use of that information to		
73. Please inc	dicate which TSP excha	nge products you acc	essed on the passwo	rd-protected websites.			
	Bulletins	Coastal Zone Threat Map	Threat Table	Maximum Amplitude Map	Tsunami Travel Time (TTT) Map		
TSP Austral	Yes No Unable to access	Yes No Unable to access	Yes No Unable to access	Yes No Unable to access	Yes No Unable to access		
TSP India	Yes No Unable to access	Yes No Unable to access	Yes No Unable to access	Yes No Unable to access	Yes No Unable to access		
TSP Indonesia	Yes No Unable to access	Yes No Unable to access	Yes No Unable to access	Yes No Unable to access	Yes No Unable to access		
74. Were any other TSP exchange products (e.g. Spatial Files) accessed on the password-protected websites?							
75. Was tsunami threat information from TSP websites (bulletins and other products) used in the production of your national warnings? C Yes No							

76. Please indic	ate which information	was us	sed:							
	Tsunami Wave Observations	Pred		Vave A nes	rrival	Predicted Maximum Wave Coastal Forecast Zone Three Amplitudes Levels		at Other		
		T1	T2	Т3	T4					
TSP Australia						П				
TSP India	П					П	П			
TSP Indonesia	П					П				
Comments										
used.										
78. Did your NTWC send reports of its warning status to the TSPs? C Yes No										
79. What TSP w C TSP Austral C TSP India C TSP Indone		the sta	atus re	eportii	ng forr	n from?				
80. Why did you website?	r NTWC not report its	warnin	ng stat	tus on	a TSI					

81. Did the NTWC access the new TSP products for tsunami generated by C Yes No	non-seismic and complex sources (i.e., volcano)?
82. Were the TSP products for volcanos easily accessible and understood C Yes C No	by the NTWC?
83. Were the TSP products for volcanos used by the NTWC to generate no Yes No	ational tsunami warnings?
84. Please provide any further and more detailed feedback on the new TS complex sources.	P products for tsunamis generated by non-seismic and
End of the <u>Objectives 5-9</u> survey questions related to the Nation	al Tsunami Warning Centre.
General Questions	
85. Please rank the following from 4 (extremely good), 3 (very good), 2 (go	ood), 1 (poor) to 0 (very poor).
	4 3 2 1 0
Exercise planning and communication with Member States: Timeliness and usefulness of information provided by the ICG/IOTWMS Secretariat.	c c c c c
Exercise documentation: Manual, websites, bulletins	0 0 0 0 0
Exercise format and style: Real-time operation, exercise messages similar to real event	0 0 0 0 0
Pre-IOWave SOP Workshop	0 0 0 0 0
Post-exercise evaluation: Web-based survey	0 0 0 0 0
Comments	

86. Our country benefited from the exercise by:	
1)	
87. 2)	
88. 3)	
89. Future exercises could be improved by: 1)	
90. 2)	
91. 3)	
92. Our country used exercise observers? C Yes C No	

93.	Please rank the following from 4 (extremely good), 3 (very good), 2	(god	od),	1 (p	000	r) to 0 (very poor).
		4	3	2 1	1 (0
	Feedback provided by the exercise observers	0	0	0 0	5 (
	Information for the post-exercise evaluation provided by the exercise observers	O	0	0 0) (
(Comments					
Nov	Did your country undertake any activities in commemoration of the vember? Yes No	Worl	d T	suna	ami	Awareness Day (WTAD) 2025 on 05
95. Cor	nments:					
En	d of the <u>General Questions</u> survey section.					
End o	f Survey					
	en the survey is completed and no further information needs to be entered or am pleted survey.	ended	d, th	ne Na i	tior	al IOWave Exercise Contact should submit the
(Are you the National IOWave Exercise Contact? Yes No					
End o	f Survey					
	T PAGE					
	on the survey is completed and no further information needs to be entered or amousting the <i>Submit</i> button.	ended	d, [c	questi	on('	value'), id='935'] should submit the survey by
Thank	You!					

Thank you for completing the IOWave25 Post-Exercise Evaluation.