

ICG/IOTWMS
IOWave23 Task Team Meeting, Tuesday/04 April 2023



The planned activities and key outcomes for 2023 Indian Ocean Wave Exercise 23 (IOWave23)

Ms. Weniza, BMKG, Indonesia - Chair IOWave23
Mr. Ajay, INCOIS, India - Vice Chair IOWave23

IOWave23 Task Team

- **Ms. Weniza**, BMKG, Indonesia – Chair
- **Mr. Ajay Kumar**, INCOIS, India – Vice Chair
- **Ms. Kate Parkey**, Australia – Member
- **Mr. Domenic Panuccio**, Australia – Member
- **Mr. Sidiq Hargo**, Indonesia - Member
- **Ms. Gloria Simangunsong**, Indonesia – Member
- **Mr. Bagus Adi Wibowo**, Indonesia – Member
- **Mr. Khalid Al-Wahaibi**, Oman
- **Mr. Ameer Hyder**, Pakistan - Member
- **Mr. Tariq Ibrahim**, Pakistan - Member
- Iran (TBC)
- Madagascar (TBC)
- Seychelles (TBC)

Term of Reference (ToR) on IOWave23

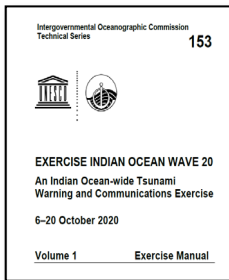
Under the direction of Working Group 3 “Tsunami Ready Implementation”:

- Plan and coordinate the next IOWave Exercise (IOWave23), taking on-board suggestions from **the post-IOWave20 lessons learnt workshop including an increased focus on LDMO down to community level and implementation of IOTR.**
- Prepare the Exercise Manual in accordance with the Guideline on "How to Plan, Conduct and Evaluate Tsunami Exercises" (IOC Manuals and Guides No. 58) **at least 6 months in advance of the exercise,**
- Prepare **the Exercise Report for ICG/IOTWMS-XIV.**

The Task Team will report to Working Group 3 and work in collaboration with Working Group 1, Working Group 2 and IOTIC and be composed of members nominated by member states and representative from TSPs, with a chairperson and vice-chairperson.

Planned Activities

Under coordination with IOC ICG/IOTWMS Secretariat



- ✓ To provide timeline of IOWave23
- ✓ To provide manual exercise – Purposes, Objective, Scope, Exercise Success Criteria, Type of Exercise, Scenario, Date, Checklist Activities Member, Exercise Evaluation (Exercise Survey, Exercise Observer), Checklist of Activities for Member States

Concept of Exercise - Purpose

Purpose:

- To **evaluate and improve the effectiveness of the IOTWMS**, through its operational TSPs, NTWCs, NDMOs and LDMOs, in responding to a potentially destructive tsunami.
- To test their **operational lines of communications**, to review their **tsunami warning and emergency response SOPs**, and to promote **emergency and community preparedness**.

Concept of Exercise - Objective

Objective:

1. Validate **the 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.
2. 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.
3. Validate **the reporting by NTWCs to the TSPs of their National Tsunami Warning Status.**
4. Validate **the SOPs within countries for generating and disseminating tsunami warnings to their relevant emergency response agencies, media and the public.**
5. Validate **the SOPs within countries for the issuing of public safety messages, ordering evacuations and where possible issuing all-clear messages.**
6. Validate **the level of community awareness, preparedness and response (including focused on Tsunami Ready Community)**
7. Within the above framework, **each country should develop its own specific objectives for the exercise.**
8. (To test the preparedness tsunami generated non seismic complex source – To be discussed)

Concept of Exercise – Exercise Success Criteria

The broad success criteria, depending on the level of involvement of each country, are :

1. The **communication protocols between the TSPs, NTWCs, TWFPs and information dissemination points within countries are tested and understood.**
2. **Areas of improvement in the tsunami warning and response chain are identified.**
3. **Local communities participate** in the exercise to the extent possible and increase their knowledge of tsunami preparedness and response.

Concept of Exercise – Type of Exercise

The types of exercises that can be conducted are:

1. Orientation Exercise
2. Drill
3. Tabletop Exercise
4. Functional Exercise
5. Full-scale Exercise

Checklist of Activities for Member States



IOC Circular Letter

April



Set up IOWave23 **National Coordination Committee** involving NTWC, LDMOs, NDMOs, and all other important stakeholders including private industry participants

April



Decide on **level of participation and identify communities** for evacuation (where applicable).

April



Assign **agency roles including exercise controller, key participants, and observers**

April

Checklist of Activities for Member States



Nominate a **National Exercise Contact** for IOTWMS

April



Issue of **Exercise IOWave23 Manual** by the Secretariat.

April



Secure **funding and support for community activities**

Ongoing



Develop a **National IOWave23 Manual** to plan/guide activities including those at community level

June

Checklist of Activities for Member States



Address **indicators of UNESCO Tsunami Ready** (where appropriate).

Ongoing



IOC-UNESCO **Standard Operating Procedures Workshop**

April/May (tbc)



Share **IOWave23 in-country participation plans** with the Secretariat

June



Ensure **Standard Operating Procedures** are in place and up-to-date.

June

Checklist of Activities for Member States



Organize and hold **pre-exercise national workshop(s) and meeting(s) with key stakeholders** including media

July/Sep



Prepare a **media press release**

One week before the exercise



Participate in Exercise IOWave23

25 Sep/2 Oct/9 Oct (tbc)



- Complete the IOTWMS **online post-exercise evaluation**
- IOC/UNESCO **Post-IOWave23 Lessons Learnt Workshop**

Nov

Provisional Timeline for IOWave23

- Identify Task Team Chair and Member
- **First TT meeting (Virtual) === 8 March 2023 – 4 April 2023** → Schedule, Date, Scenario
- **First IOC Announcement of IOwave23 === 29 March 2023 – xx April 2023** (Scenario, date, Nominate National Contact)
- Exercise Manual drafted and to secretariat === 29 March 2023 – xx April 2023
- **Exercise Manual published === 29 April 2023** (<http://www.ioc-tsunami.org>)
- **2 SOP Workshop === Hybrid, April/May 2023**
- **IOwave23 === fourth week – 4,11, 18 October (Tectonic) and 25 October (Non-tectonic)**
- **Exercise Survey Due === 30 October 2023**
- **Post IOWave23 Lesson Learned Workshop === Virtual/Hybrid, 06 November 2023**
- **TT Meeting === 27 November 2023**
- **Exercise Evaluation completed === Jan 2024**
- **Exercise Report ready for ICG/IOTWMS XIV === 2024 (TBC)**



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Thank you