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IRAN

Webinar:
Lessons Learnt during
Exercise IOWave 2025

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Scenarios Exercised



Sunda Trench (25 Sept)

Makran Trench (15 Oct)

Fani Maore Volcano (25 Oct)

Sumatra Trench (05 Nov)

Participating organizations



Exercise Participants

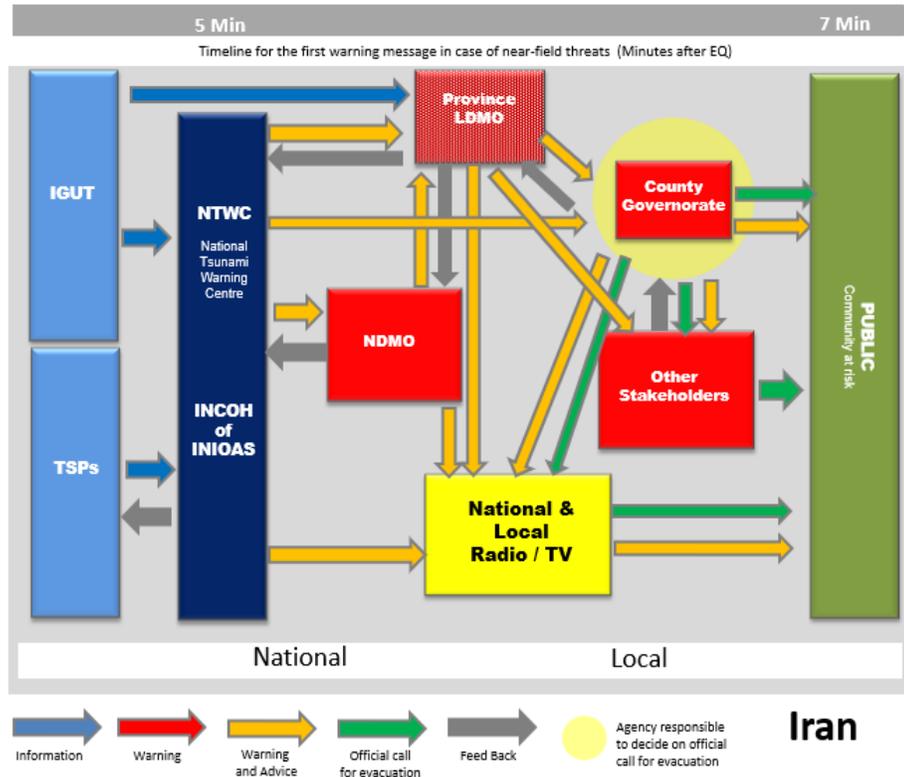
Participating segments of society in the exercise

Participating Group	Location	
	Chabahar	Jask (Bahal)
School students (girls and boys)	60	30
University students	20	2
Local community (men, women, and children)	100	120
Fishermen	30	10
Boats and vessels	2	1

Operational Participants	Location	
	Chabahar	Jask (Bahal)
Emergency Medical Services (EMS)	4	2
Fire Department	6	2
Red Crescent Society	8	6
City Hall	4	3
Disaster Management Organization	3	4
Free Zone Authority	2	-
Ports and Maritime Organization	4	2
Fisheries Organization	2	2
Ministry of Education	2	2

National Tsunami Warning & Mitigation System

TWC of IRAN



1. Key Agencies / Priority 1 (Decision-Making & Early Warning)

- Tsunami Service Providers (TSPs)**
TSP Australia, TSP India, TSP Indonesia,
- National Institute for Oceanography and Atmospheric Sciences (INIOAS)**
Data analysis and predictive modeling,
- National Disaster Management Organization (NDMO)**
Responsible for national coordination and tsunami alert issuance
- Ports and Maritime Organization (PMO)**
Collecting marine data and monitoring waves
- Seismic and HF Radar Stations / Supporting Agencies** (if be operational)

Unchanged

2. Operational Agencies / Priority 2 (Emergency Response & Field Support)

- Red Crescent Society**
 - Rescue operations and community education
- Emergency Medical Services (EMS)**
 - Immediate medical care
- Municipality**
 - Evacuation management and urban coordination
- Iranian Fisheries Organization**
 - Informing fishers and coastal users

3. Local / Priority 3 (Coordination & Community Outreach)

- Governorate / Provincial Government**
 - Provincial coordination and support for national decision-making
- General Directorate of Crisis Management**
 - Implementing crisis plans at the provincial level
- County / District Governor's Office**
 - Coordination at county level and local monitoring
- Ministry of Education**
 - Education and preparedness drills in schools

Support to communities to get prepared



Key initiatives:

It is not possible to list here many new key initiatives. However, the following can be mentioned:

- Focus on public awareness and education programs, especially for students as a growing and expanding community
- Planning to produce a mobile app linked to the integrated warning system
- Improvement but not completed National Maritime Hazard Forecasting and Warning System
- Vote to conduct an annual exercise on the coasts of coastal provinces

National Organisation of Exercise IOWave25

Organize and conducting:

- Coordination with the National Disaster Management Organization
- Communication with relevant organizations
- Coordination meetings in Hormozgan and Sistan–Baluchestan (in-person & online)
- Training and preparedness of target groups
- Exercise initiation upon receipt of the first alert

Fault earthquake info

Parameter	Value
Earthquake Magnitude	9.0 Mw
Earthquake Depth	10 km
Date	15/10/2025
Time of Occurrence	09:30
Latitude	24.8° N
Longitude	62.2° E
Location	Gulf of Oman

Period of exercise

Bulletin		Time(Local)
Start of Exercise(Earthquake)		9:30
Issuing the Bulletin 1	•Lack of coordination with the TSP due to internet connectivity issues	9:35
Issuing the Bulletin 2		9:40
Issuing the Bulletin 3	•Failure to receive SMS and email messages	9:45
Issuing the Bulletin 4-End of the Exercise		10:15

Tsunami Drill Timeline:

Pre-Drill (07:30 AM)

- Activation of the National Oceanic and Atmospheric Research Institute's (INCO) operations center.
- Final checks on communication systems with the National Disaster Management Organization, regional centers, and media.

Drill Start & Initial Warnings (09:30 - 09:40)

- **09:30:** Start of Exercise. Simulated tsunami alert received from international partners (Indonesia TSP).
- **09:35: Bulletin 1 Issued.** Initial tsunami warning and alert status disseminated by INIOAS.
- **09:40: Bulletin 2 Issued.** Updated earthquake parameters, predicted wave height (6-8m), and estimated arrival time (09:50) provided.
 - **Operational Phase Begins:**
 - Activation of sirens and loudspeakers for coastal evacuation.
 - Mobilization of Red Crescent, police, and fire departments *in sites*.
 - Evacuation low-lying areas initiated and selected school.
 - Hospitals put on high alert; buses dispatched to assist evacuation.

Confirmed Impact & Response (09:45)

- **09:45: Bulletin 3 Issued.** Tsunami confirmation based on "simulated field reports."
- **Simulated Impact & Rescue Operations (09:50):**
 - Search and rescue for casualties in collapsed structures and floodwaters.
 - Site selection and planning for an emergency shelter camp.
 - Re-dispatch of firefighting teams.

Drill Conclusion & Evaluation (10:15 - 11:15)

- **10:15: Bulletin 4 Issued.** End of tsunami threat announced.
- **11:15:** After-action review meeting with all involved agencies to evaluate performance and identify improvements.

Lessons Learnt

What worked well:

Organization of two coordination meetings among agencies was improved based on previous exercises.

Local logistics were of good quality.

Significant increase in attention of relevant authorities to the importance of tsunami hazards, considering global damages.

Better interaction among representatives of different organizations.

Areas for improvement:

Communication infrastructure in coastal provinces.

Communication systems between the country and TSPs.

Sea-level monitoring using coastal measurement instruments.

Expansion of alarm systems (sirens) in vulnerable areas at maximum high tide.

Increased local training, especially in the education sector.

Images



Pre-meeting for organizing exercise.



In-field meeting for last organizing exercise.



Transfer of simulated casualties to the treatment site



News coverage of tsunami drills on provincial television to increase local public awareness of tsunami risks



THANK YOU