UNESCO-IOC Tsunami Ready Recognition Programme
Implementation Process and Steps

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Introduction

The UNESCO-IOC Tsunami Ready Recognition Programme is:

- **a voluntary international performance-based community programme.**

- **Facilitated by UNESCO-IOC Tsunami Information Centres* (CTIC, IOTIC, ITIC, and NEAMTIC) of each region**

- **a formal recognition process follows standard guidelines (UNESCO-IOC Manual and Guide 74).**

* UNESCO-IOC Tsunami Information Centres

Intergovernmental Oceanographic Commission
Manuals and Guides

74

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Standard Guidelines for the Tsunami Ready Recognition Programme

UNESCO

UNESCO/IOC-NOAA SHOA
International Tsunami Information Center

Introduction

The 12 Tsunami Ready indicators cover **Assessment, Preparedness and Response**.

To be recognized as UNESCO-IOC Tsunami Ready, the community must achieve all 12 indicators.

	UNESCO IOC TSUNAMI READY INDICATORS
I	**ASSESSMENT (ASSESS)**
1	ASSESS-1. Tsunami hazard zones are mapped and designated
2	ASSESS-2. The number of people at risk in the tsunami hazard zone is estimated
3	ASSESS-3. Economic, infrastructural, political, and social resources are identified
II	**PREPAREDNESS (PREP)**
4	PREP-1. Easily understood tsunami evacuation maps are approved
5	PREP-2. Tsunami information including signage is publicly displayed
6	PREP-3. Outreach and public awareness and education resources are available and distributed
7	PREP-4. Outreach or educational activities are held at least three times a year
8	PREP-5: A community tsunami exercise is conducted at least every two years
III	**RESPONSE (RESP)**
9	RESP-1. A community tsunami emergency response plan is approved
10	RESP-2. The capacity to manage emergency response operations during a tsunami is in place
11	RESP-3. Redundant and reliable means to timely receive 24-hour official tsunami alerts are in place
12	RESP-4. Redundant and reliable means to timely disseminate 24-hour official tsunami alerts to the public are in place

Introduction

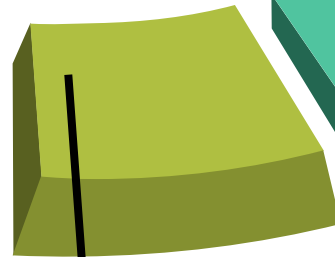**Successful implementation is subject to a number of conditions**

Inclusive Oversight

A National Tsunami Ready Board (NTRB) established.

Renewable

Renewed every 4 years if the indicators are sustained
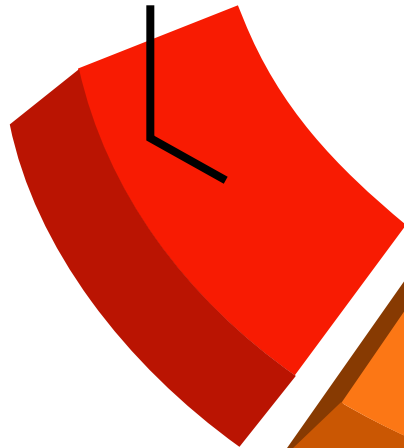
Inclusive Oversight

A Tsunami Ready Local Committee (TRLC) involvement of stakeholders

Voluntary

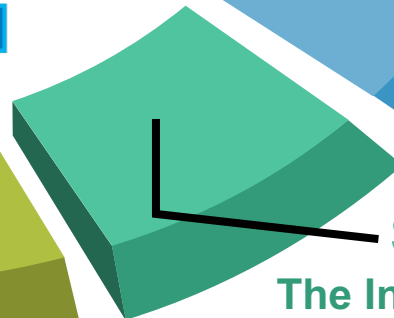**Demonstrate voluntary interest to ensure ownership and participation**
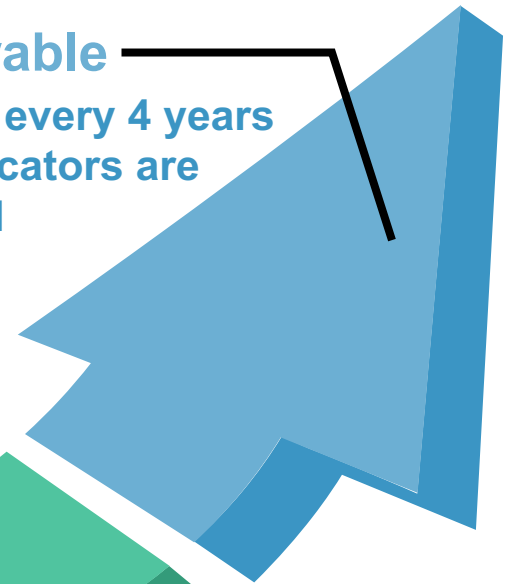
Sustainable

The Indicators should be sustained at least for 4 years

Tsunami **Ready**

Tsunami Ready recognition process - Steps

Establish a National Tsunami Ready Board

Review the Tsunami Ready Guidelines

Establish a Tsunami Ready Local Committee

Fill the Application forms

Review of the Tsunami Ready Application

Recognition process

Renewal procedure

Initiation Steps
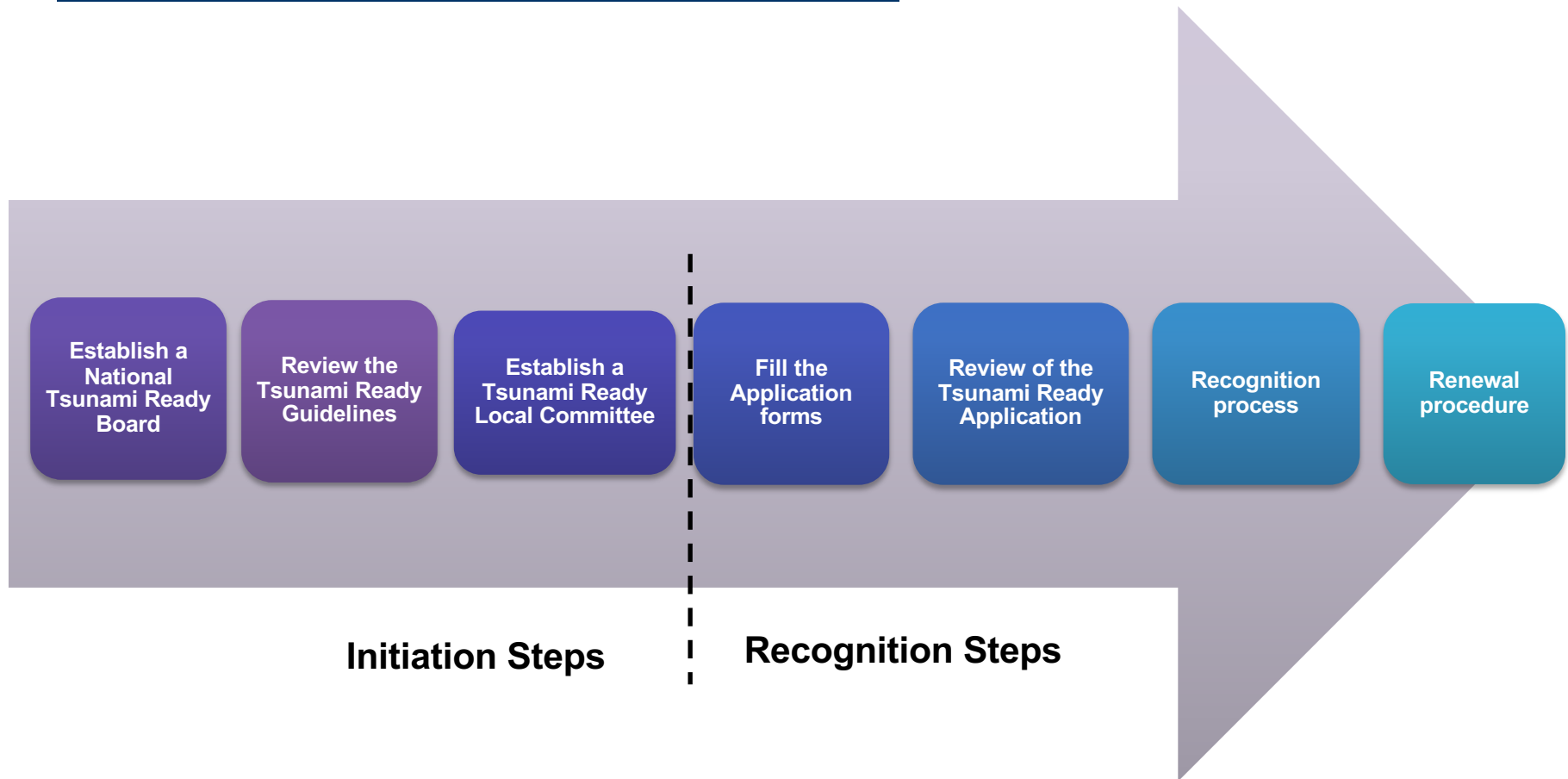
Recognition Steps

National versus Regional Programme

Tsunami Ready Recognition can be granted at the Regional or National level.

1. **National Programmes subdivide country into number of communities and recognize each community individually as TR**. Tsunami Ready Local Committee (TRLC) is responsible for completing application and submitting to NTRB.
   - NTRB is responsible for reviewing and approving recognition.
   - TNC or NTRB is responsible to submit application to UNESCO-IOC

2. **Regional Programmes consider entire country/territory as one community and recognize the country as Tsunami Ready**. This situation may apply to small countries and territories.
   - National Tsunami Ready Board (NTRB) responsible for completing application / submitting to Regional Tsunami Ready Board (RTRB)
   - RTRB responsible for reviewing and approving recognition.
   - Based on the approval of RTRB, the TNC or NTRB is responsible to submit the application to UNESCO-IOC

The National Tsunami Ready Board (NTRB)

The National Tsunami Ready Board is comprised of, but not limited to:

- **National Disaster Management Office (NDMO)**
- **National Tsunami Warning Centre (NTWC)**
- **Tsunami National Contact (TNC)**
- **Other relevant national agencies.**
- **Other members at the discretion of NTRB such as Regional TIC, Scientific and Technical organizations*, Non-Governmental Organization(s), and Community Representatives.**

* Scientific and technical organization supports:
- Hazard, inundation, and evacuation products.
- Signage and warning infrastructure development

TNC informs UNESCO-IOC via the ICG secretariat, with copy to the TIC, of the establishment of the National Tsunami Ready Board

Function, role, and responsibility:

- **General oversight** of the National Programme
- **Advocate, supervise, and support** activities to implement the Programme
- **Manage resources** for the Programme
- **Maintain consistency** of the Guidelines
- **Coordinate and liaise and link** Tsunami Ready activities with other organizations*
- **Direct and oversee** service improvements to the Tsunami Ready programme
- **Oversee** national Tsunami Ready database
- TNC or the Chair of NTRB, submits the Tsunami Ready Application to UNESCO-IOC via ICG secretariat, with copy to TIC.
- *In situation of entire country/territory as one Tsunami Ready application, NTRB is responsible for completing application and submitting it to Regional Tsunami Ready Board (RTRB)*

The Regional Tsunami Ready Board (RTRB)

In case of small countries and territories, recognition can be granted at the National/Territorial level. A Regional Tsunami Ready Board would be responsible for reviewing and approving recognition

The Regional Tsunami Ready Board is comprised of, but not limited to, and depending on each country's settings:

- **ICG Chair**
- **TIC Director**
- **Relevant ICG Working Group Chairs**
- **UNESCO-IOC ICG Technical Secretary**
- **Guests at discretion of RTRB**

Function, role, and responsibility:

- **General oversight of Programme at ICG level.**
- **Maintain guidelines.**
- **Review existing and proposed changes to the guidelines**
- **Review and approves the application of the countries**
- **TNC submits the Tsunami Ready Application to UNESCO-IOC via ICG secretariat, with copy to the TIC.**

The Tsunami Ready Local Committee (TRLC)

The Tsunami Ready Local Committee may include not be limited to, and depending on each community's setting:

- **Local Disaster Management Office/Committee (LDMO/LDC)**
- **Other relevant local authorities**
- **Community organisations**
- **Community representative(s)**
- **NGOs and CSOs working in community-based DRR**
- **Schools, universities**
- **Private sector, e.g., hotel and business organisations**

Functions, roles, and responsibilities include:

- **Meet regularly to plan activities and review progress**
- **Prepare a list of all entities that can support the Tsunami Ready programme**
- **Appoint representatives to oversee the implementation and maintenance of the Tsunami Ready indicators**
- **Develop a fully costed and resourced work plan**
- **Monitor implementation and review status of Tsunami Ready indicators**
- **Complete and submit Tsunami Ready recognition Application to the NTRB**

Recognition Steps for National Programme

> *When the community has achieved all 12 indicators and is ready to apply for recognition:*

1. **TNC informs UNESCO-IOC, via the ICG secretariat, with copy to the TIC, of a community's intent to be recognized as Tsunami Ready.**

2. **TRLC completes and submits the Application to NTRB.**

3. **NTRB reviews Application and sets date for site verification visit and review meeting.**

4. **NTRB conducts site verification and review meeting.**

5. **NTRB approves Application**

6. **TNC or the Chair of NTRB submits to UNESCO-IOC via the ICG secretariat, with copy to the TIC.**

International Tsunami Information Center

Recognition Steps for Regional Programme

> *When the country/territory has achieved all 12 indicators and is ready to apply for recognition:*

1. **TNC informs UNESCO-IOC via the ICG secretariat, with copy to the TIC, of a country/territory's intent to be recognized as Tsunami Ready.**

2. **The NTRB completes and submit the application to RTRB**

3. **RTRB reviews application and sets date for site verification visit and review meeting.**

4. **RTRB conduct site verification and review meeting.**

5. **RTRB approves Application.**

6. **TNC or the Chair of NTRB submits the RTRB's approved application to UNESCO-IOC via the ICG secretariat, with copy to the TIC.**

Steps for International Recognition by UNESCO-IOC

If the NTRB/RTRB approves the community's Tsunami Ready application, the TNC or the Chair of NTRB informs UNESCO-IOC via the ICG Technical Secretary for the region and the TIC

1. **Application verification by Tsunami Information Centre.**

2. **UNESCO-IOC sends signed Tsunami Ready Recognition and Appreciation certificates to the TNC.**

3. **A Tsunami Ready recognition ceremony may be held to celebrate the accomplishment and recognise local stakeholders.**

Tsunami Ready Recognition Ceremony - example

Renewal procedure

Although not mandatory, renewal of recognition is encouraged to maintain a high level of preparedness in the community and the initial selection process should make this clear.

- **Tsunami Ready recognition is valid 4 years and can be renewed**

- **Over the 4-year period, maintenance, advancement, and improvements should be recorded and reported to NTRB/RTRB. The community is encouraged to participate in the biennial regional IOC WAVE exercises.**

- **TRLC submits renewal Application and updated information to NTRB.**

- **In the situation of the entire county/territory, the NTRB submits the renewal application and updated information to RTRB.**

- **The same application form and steps will be conducted as for initial recognition.**

Resource requirements

The resources required for implementing Tsunami Ready will vary from country to country and community to community. For example, a community with hazard maps and alert systems will require less resources than a community without these. Implementing cost could vary from few thousand to over USD100,000.

Typically Tsunami Ready can be implemented in one year.

When implementing the following resources (human and funding) may be needed:

1. Organization and coordination of Tsunami Ready
2. Production and update of maps, plans, signage and educational and awareness materials
3. Tsunami Ready deliverables and activities

Challenges

Implementing Tsunami Ready involves many actors at regional, national, and local level, some of the challenges are:

- **Convincing community and all stakeholders to implement Tsunami Ready.**
- **Lack of resources for community capacity building.**
- **Other hazards deemed to be higher priority**
- **Limited time of staff for oversight and implementation**
- **UNESCO-IOC Tsunami Ready viewed as being redundant to other National Programme.**
- **Need to build ownership within the community - disaster is often viewed as the responsibility of the authorities not the community.**

Thank You

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