

Introduction and Background

ONLINE QUESTIONNAIRE AVAILABLE UNTIL 26 March 2021.

Dear CARIBE WAVE 21 Participant,

The CARIBE WAVE exercise is planned for Caribbean countries to carry activities at various scales of magnitudes and sophistication to validate its readiness for tsunamis. In light of current implications due to the coronavirus pandemic, it was left up to each country to decide at what scale the exercise should be carried out. It was recommended to at least validate the receipt of the messages distributed by the Pacific Tsunami Warning Center (PTWC). It was further appreciated that national and local authorities could determine if any, additional corresponding activities were to be conducted.

This questionnaire was reduced to reflect this decision and other priorities organizations and communities may have at this time considering COVID-19. We did include questions on the status of the implementation of the Tsunami Ready and TsunamiReady programs. We have also left space for countries to comment on any additional activity or observation. It should take only 15 minutes to complete.

Every officially designated Tsunami National Contact or Tsunami Warning Focal Points for the Member States and Territories within the UNESCO ICG CARIBE-EWS framework is kindly requested to complete this form by March 26, 2021, even if you participated in just the PTWC-TWFP/NTWC communications test component. Only one questionnaire should be completed for each MS/Territory.

If you have any questions or problems, please contact the Exercise Chair or CTWP Manager.

Thank you for your participation, stay safe and healthy,

Elizabeth Vanacore, PRSN, CARIBE WAVE 21 Exercise Chair (elizabeth.vanacore@upr.edu)

Christa von Hillebrandt-Andrade, CTWP Manager (christa.vonh@noaa.gov)

Instructions and Member State/Territory Contact Information

Tsunami National Contacts(TNC)/Tsunami Warning Focal Points(TWFP)/National Tsunami Warning Center(NTWC) are requested to:

- Answer each statement with Yes, No, or Not Applicable by selecting the relevant box.
- If needed, please add comments to explain/expand Yes, No, or Not Applicable answers.

* 1. Contact Information.

Member State/Territory

* 2. -

Agency

Organization

* 3. -

Name (First, Last)

Position or Job Title

Telephone

Mobile

Email address

Exercise and evaluate communications between PTWC and Member States/Territories

Validate the receipt of tsunami products by CARIBE-EWS Tsunami Warning Focal Points (TWFPs) and/or National Tsunami Warning Centers (NTWCs).

4. Did your country's Tsunami Warning Focal Points/National Tsunami Warning Center receive the PTWC Caribe Wave 21 **Dummy (Start of Exercise) Message**?

Yes

No

Comments:

5. The PTWC issued the CARIBE WAVE 21 **Dummy Message** by several methods. Please check all methods through which the message was received by the TWFP/NTWC.

	Yes	No	Not Applicable
WMO Information Process (e.g., GTS, WIS)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NWWS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AISR/AFTN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EMWIN/HRIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GEONETCast	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fax	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Email from PTWC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Social Media	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

6. The PTWC issued the CARIBE WAVE 21 **Dummy Message** by several methods. Please indicate the time at which the message was received by the TWFP/NTWC in the different systems.

	Hour	Minutes	Time Zone
WMO Information Process (e.g., GTS, WIS)	<input type="text"/>	<input type="text"/>	<input type="text"/>
AISR/AFTN	<input type="text"/>	<input type="text"/>	<input type="text"/>
EMWIN/HRIT	<input type="text"/>	<input type="text"/>	<input type="text"/>
GEONETCast	<input type="text"/>	<input type="text"/>	<input type="text"/>
Fax	<input type="text"/>	<input type="text"/>	<input type="text"/>
Email from PTWC	<input type="text"/>	<input type="text"/>	<input type="text"/>
Social Media	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other means	<input type="text"/>	<input type="text"/>	<input type="text"/>

7. Were there any problems with the receipt of PTWC CARIBE WAVE 21 **Dummy (Start of Exercise) Message?**

- Yes
- No
- Not Applicable

Comments:

8. Did the Tsunami Warning Focal Point / National Tsunami Warning Center receive any message from an organization other than the PTWC (e.g. Puerto Rico Seismic Network, Caribbean Disaster Emergency Management Agency)? If yes, please use the comment box to indicate the agencies you received the message from.

- Yes
- No

Comments:

9. Did the TWFP/NTWC prepare and issue messages to relevant in-country agencies for CARIBE WAVE 21?
If yes, please mention the agencies.

Yes

No

Comments:

10. Did your TWFP/NTWC receive by email from PTWC the **simulated exercise messages** (Jamaica or Northern Lesser Antilles scenario) at the times specified in the Exercise Manual?

Yes

No

Not Applicable

Comments:

Type of exercise

11. In light of the coronavirus pandemic, in what way was your country able to participate in the CW21?

- International Communication Test Portion (PTWC-TWFP/NTWC)
- National Communication Test Portion
- Full-scale Exercise
- Tabletop Exercise
- Drill Exercise
- Functional Exercise
- Virtual Presentation
- In Person Presentation
- Press Conference
- Other (please specify)

Comments:

Full-Scale Exercise Evaluation

Validate readiness to respond to a tsunami.

12. Were any areas evacuated as part of the CARIBE WAVE 21 Exercise?

Yes

No

Comments:

13. Overall, how timely before Estimates Time of Arrival (ETA) was the evacuation completed from 1 (after ETA) to 5 (well before ETA)?

1

2

3

4

5

N/A

14. Rate the overall preparedness of participants (e.g. had emergency backpack/supplies, knowledge of evacuation route, orderly) from 1 (poor) to 5 (excellent).

1

2

3

4

5

N/A

15. Did news media participate and cover the exercise? (Please provide electronic links if applicable.)

Yes

No

Comments:

16. Were social scientists engaged in exercise planning/activities?

Yes

No

Comments:

CARIBE EWS Tsunami Ready recognition program

The CARIBE-EWS Community Performance Based Tsunami Recognition Program, Tsunami Ready, seeks to save lives and livelihoods through better community planning, education and awareness and operations. Some countries in the region have received TsunamiReady® recognition thru the US National Weather Service (NWS) for US Territories only, the US NWS/UNESCO pilot project or CARIBE EWS Tsunami Ready recognition.

In 2015 Tsunami Ready guidelines were recommended and approved by CARIBE EWS and UNESCO IOC. A copy of the requirements can be accessed at http://itic.ioc-unesco.org/index.php?option=com_content&view=category&id=2234&Itemid=2758.

17. Is your country implementing the Community Performance Based Tsunami Recognition Program (TsunamiReady® or Tsunami Ready)?

Yes

No

Comments:

18. Is your country interested in implementing the Community Performance Based Tsunami Recognition Program (TsunamiReady® or Tsunami Ready)?

Yes

No

Comments:

19. What is the target number of Tsunami Ready communities in your country/territory for TsunamiReady® or Tsunami Ready recognition?

Communities

Comments:

20. How many communities have been recognized in your country/territory for TsunamiReady® or Tsunami Ready?

Communities

Comments:

21. Does the TWFP/NTWC/NDMO have standard operating procedures in place for the receipt and dissemination of tsunami alerts?

Yes

No

Comments:

22. Are tsunami inundation maps available for your Country/Territory? Select from the following list.

Yes

No

Local Scenario

Regional Scenario

Distant Scenario

Comments:

23. Are tsunami evacuation maps available for your Country/Territory? Select from the following list.

	Yes	No
Local Scenario	<input type="radio"/>	<input type="radio"/>
Regional Scenario	<input type="radio"/>	<input type="radio"/>
Distant Scenario	<input type="radio"/>	<input type="radio"/>

Comments:

24. Are tsunami signages available for your Country/Territory? Select from the following list.

	Yes	No
Tsunami Hazard Zone	<input type="radio"/>	<input type="radio"/>
Tsunami Evacuation Route	<input type="radio"/>	<input type="radio"/>
Tsunami Assembly Points	<input type="radio"/>	<input type="radio"/>
Entering/Leaving Tsunami Hazard Zone	<input type="radio"/>	<input type="radio"/>
Other (please specify)	<input type="radio"/>	<input type="radio"/>

Comments:

GENERAL OBSERVATIONS

25. Did the exercise planning go well?

- Yes
- No
- Not Applicable

Comments:

26. How many people do you estimate participated in the exercise within your country/territory? In addition to national statistics, can also refer to registrations on <https://tsunamizone.org>

27. Please provide a general statement on your CARIBE WAVE 21 Tsunami Exercise experience or any additional comments related to the exercise or Tsunami Ready