

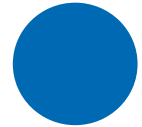
Exercise PacWave22 - Pacific Island Countries and Territories (PICT)



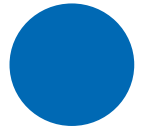
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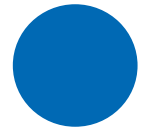


Participants list



Review guidelines for communication modes used during the exercise

- > Mailing list**
- > WhatsApp**
- > Radio**



Review Scenario guideline

Exercise PacWave22 - Pacific Island Countries and Territories (PICT)

Objectives

1. Test the Hunga Tonga Hunga Ha'apai (HTHH) PTWC Interim Procedures and PTWS Products ([IOC Circular Letter 2902](#)),
2. Test regional communication and cooperation between PICT Member States, and the value of information sharing in facilitating national tsunami alert decision-making.

The PacWave22-PICT will consist of a **2 hours real-time table top exercise starting at 2300 UTC on 9 November 2022** ([Access to your timezone](#)). The exercise scenario will replay the HTHH tsunami sequence that occurred on 15th January 2022 with PTWC-simulated products. During the exercise, PICT national stakeholders (National Tsunami Warning Centres and National Disaster Management Offices) will share event information through multiple informal communications modes, including by WhatsApp, mailing list, and/or HF Radio.

Regional Exercise participants (18 answers)



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**15
participants**

3 observers

Country	Country Code 2-letters	Participant	Observer
American Samoa	AS	Yes	
Australia	AU	Yes	
Cook Islands	CK	Yes	
Fiji	FJ	Yes	
French Polynesia	PF	Yes	
Kiribati	KI	No	Yes
Nauru	NR	Yes	
New Caledonia	NC	Yes	
Niue	NU	No	Yes
Papua New Guinea	PG	Yes	
Samoa	WS	Yes	
Solomon Islands	SB	Yes	
Timor-Leste	TL	Yes	
Tokelau	TK	Yes	
Tonga, Kingdom of	TO	Yes	
Tuvalu	TV	No	Yes
Vanuatu	VU	Yes	
Wallis and Futuna	WF	Yes	

Communication during the exercise

Mailing list Listerv



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To exchange or alert PICT member during the exercise, please send an email to tsunami-picts@list.woc.noaa.gov

***NOTE:** Only email given by each participant in the registration form is allowed to send an email to the list.*

TO : tsunami-picts@list.woc.noaa.gov

SUBJECT : <Country Code>-<Inject Number>

MESSAGE: (Add the following first lines prior your body message)

Exercise - Exercise - Exercise
PacWave22-PICT regional exercise

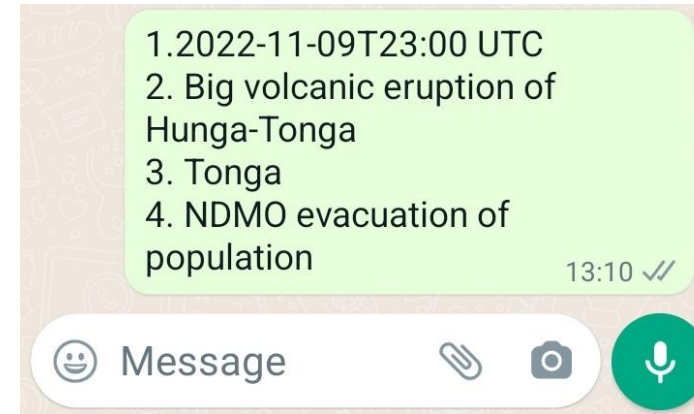
“Main Message”

Communication during the exercise

WhatsApp group

Group name : **PacWave22-PICT**

Admin of group : Jiuta Korovulavula (IOC/UNESCO),
Anthony Jamelot (French-Polynesia/NTWC)



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Below a recommendation of how to communicate and share information as simply as possible using WhasApp application

One information per line is recommended :

1. **Date and time** (timezone) - please try to give date and time in UTC
2. **Event /impact** - Describe event like volcanic eruption, tsunami runup height, tsunami damages.
3. **Location** - Give at least the country/territories name, you can also share geolocalized points.
4. **NTWC/NDMO Observations/Actions/ Public Advice.**

NOTE: To make it easier, the identification of all group members and their mobile phone, a vCard will be shared privately among the WhatsApp group members.

Communication during the exercise

Radio communication



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Below identified countries that would like to test a Radio communication during this exercise.

Fiji	FJ	None identify
Nauru	NR	Fiji
New Caledonia	NC	Tonga, Fiji
Samoa	WS	Tonga, Fiji, Vanuatu
Tonga	TO	Fiji, Samoa, Hawaii, Vanuatu, Cook island, Niue
Tuvalu	TV	Tonga, Fiji, Vanuatu, Kiribati, Solomon, Samoa

HF Radio Frequency that will be used with Tonga :

1. Primary 7620 kHz
2. Secondary 8927 kHz

Review scenario guideline

2 hours realtime play



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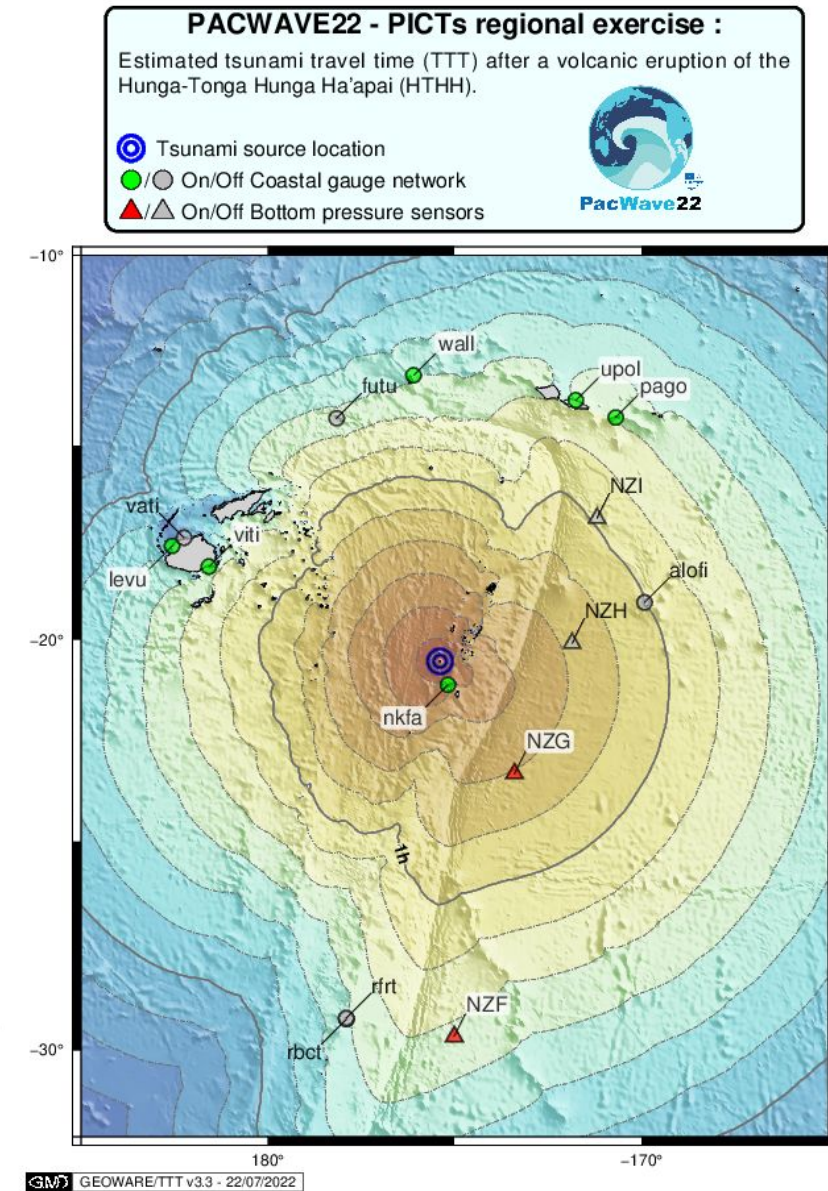
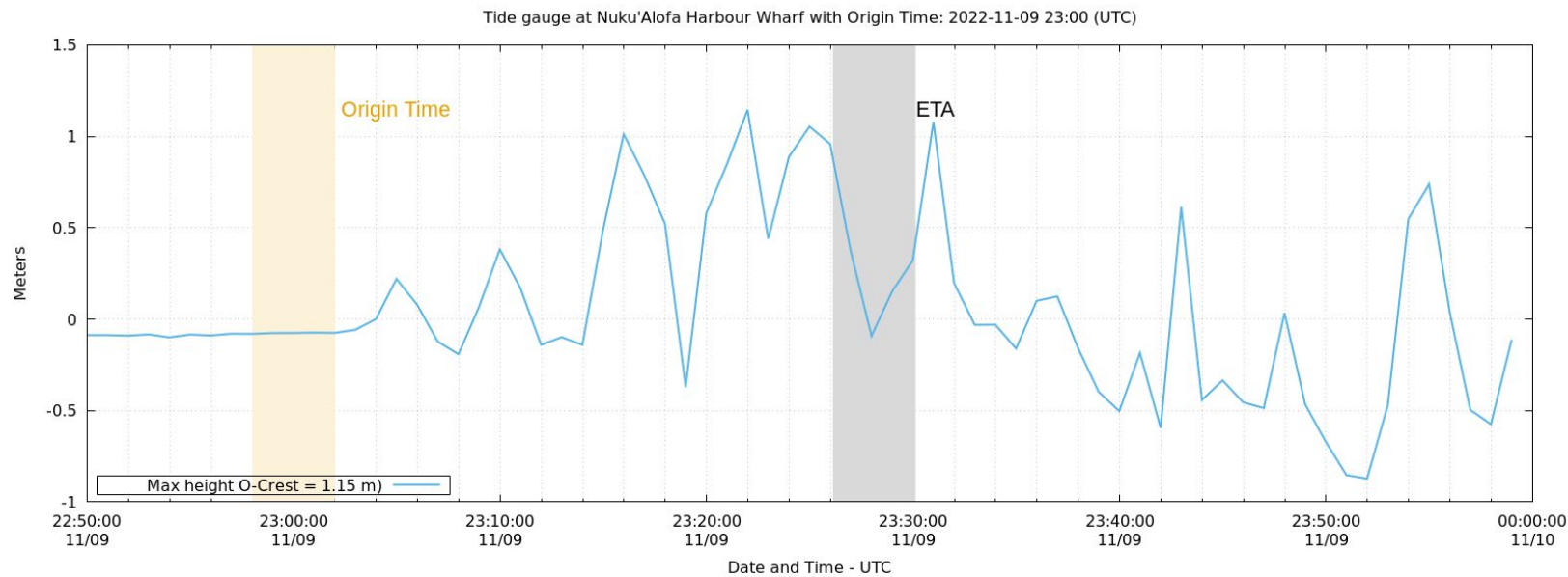
Exercise and scenario guidelines will be shared with all participants soon, below a snapshot

Inject N°	Exercise Date and Time (UTC)	Delay since Origin Time	Event and tsunami real-time observation (IOC/Sealevel and DART)	Action Taken	Comment
1	2022-11-09 22:55	OT-5min	<i>Recall of the beginning of the exercise in 5 Minutes using the mailing list tsunami-picts and a message through the WhatsApp Group.</i>		
2	23:00	OT	Volcanic Eruption of the HTHH, Origin Time (OT)	Start of the regional exercise	Volcanic explosive eruption is seen and hear by Tonga's population
3	23:10	OT+10min	Tsunami waves begin to impact nearest Tonga islands	Tonga : NTWC/NDMO Update pushed through Email List and WhatsApp	All NTWC/NDMO on observations
			NEW OBS : First oscilations of 20 cm with high frequency periods of 4 minutes observed on the Nuku"alofa tide gauge (nkfa).	Trigger PTWC alarm	
4	23:22	OT+22min		Read PTWC message number 01	
5	23:35	OT+35min	NEW OBS : DART NZG has been triggered (by the shockwave), and began to send real-time high frequency dataset. A maximal height of 15 cm O-Crest is currently seen at this time.		

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Supplementary materials

http://itic.ioc-unesco.org/index.php?option=com_content&view=article&id=2224&Itemid=2333





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THANK YOU

