

PacWave22-PICT Regional Exercise Cold Wash and Debrief - 16 November 2022

PacWave22-PICT Regional Exercise Cold Wash and Debrief 1. Welcome and Agenda



- 1. Welcome and Agenda (5 min) L. Kong
- 2. Exercise Overview (10 min) A. Jamelot
- 3. Exercise Observations and Feedback (45 min) J. Korovulavula3.1 Objective 1 : HTHH Interim products

3.2 Objective 2 : Regional cooperation using WhatsApp, E-mail, HF Radio

- 4. Discussions, Q&A (10min) J. Korovulavula
- 5. Way Forward, Reminders and Closing (10 min) L. Kong





- PacWave22 PICT regional exercise organization decided end of July 2022 Commission (PTWS Regional Working Group PICT)
- IOC Circular Letter 2908 issued on 27 September 2022) announcing exercise

Live Table Top Exercise

- Date, Time, Length:
- Format:
- Scenario: January 2022)

Exercise Objectives:

1. Test the HTHH PTWC Interim Procedures and PTWS Products (IOC Circular Letter 2902), and whether the HTHH PTWS products are interpreted by PICT Member States accurately and in a timely manner, and

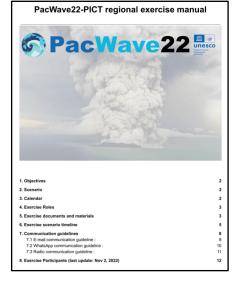
2300 UTC 9 Nov - 0100 UTC 10 Nov 2022, 2 hours

HTHH Volcanic Eruption and Tsunami (15

2. Test regional communication and cooperation between PICT Member States, and the value of information sharing in facilitating national tsunami alert decision-making. PacWave22-PICT Regional Exercise Debrief - 16 November 2022

2. Exercise Overview Planning (2)

- Registration should have closed on 7 October, but was kept open to 1 November (date of last registration received) to allow greatest participation
- Due to late Registration
 - Final Exercise Manual could not be shared with all participants until just 2 days before the Exercise ... completely out of initial calendar
 - Test of communication by Listserv was performed 24 hours before start of exercise
 - Listserv and WhatsApp additions continued until Exercise time
 - WhatsApp connection instructions were not clear some did not know that they needed to load the app onto their mobile phone.



2. Exercise Overview Participation

- **18 Pacific Island Countries and Territories** (15 Players, 3 Observers)
- Total participants : ~ 80 persons
- 2 Controllers Anthony Jamelot, CPPT/PF Jiuta Korovulavula, IOC
- 4 External Observers

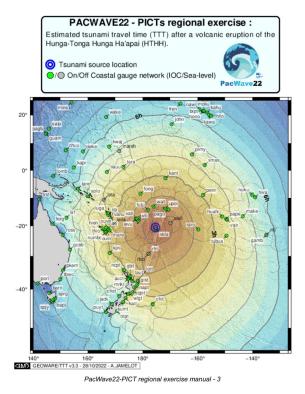
 Laura Kong, Carolina Hincapie, ITIC
 Bernardo Aliaga, IOC
 Chip McCreery, PTWC

Territories/ Islands	Territory Code	Participant	Observer
American Samoa, USA	AS	Yes	
Australia	AU	Yes	
Cook Islands	СК	Yes	
Fiji	FJ	Yes	
French Polynesia, France	PF	Yes	
Kiribati	KI	No	Yes
Marshall Islands	МН		
Micronesia	FM		
Nauru	NR	Yes	
New Caledonia, France	NC	Yes	
New Zealand	NZ		
Niue	NU	No	Yes
Norfolk Island, Australia	NF		
Palau	PW		
Papua New Guinea	PG	Yes	
Pitcairn Islands	PN		
Samoa	WS	Yes	
Solomon Islands	SB	Yes	
Timor-Leste	TL	Yes	
Tokelau	тк	Yes	
Tonga, Kingdom of	то	Yes	
Tuvalu	TV	No	Yes
Vanuatu	VU	Yes	
Wallis and Futuna, France	WF	Yes	

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- Live Table Top, simulating HTHH eruption and tsunami Used actual observations from 15 January, and PTWS PTWC HTHH Interim Procedure Products (implemented 15 March 2022).
- Players in own country / offices
- **3 Communication methods**: Dedicated E-mail Listserv, PacWave22-PICT WhatsApp group chat, HF Radio



Conduct

- Controllers simulated 4 PTWC bulletins injects sent by e-mail using Listserv and notified to WhatsApp group
- All information was immediately shared (no delay or review), 5 mails were not distributed because sent from an unregistered email into Listserv.
- HF Radio communication tests between Players

2. Exercise Overview

General review of communication methods



- 1. Dedicated E-mail listserv (hosted by ITIC):
 - **63 messages exchanged** 2255 UTC 09 Nov to 0126 UTC 10 Nov 2022
 - Messages sent by controllers : 7
 - Messages sharing information : 18
 - Acknowledgement receipt : 38
 - Messages held : 5 (3 from AU, 2 from TO) mails sent from unregistered address to the Listserv.
 - AS, CK, FJ, NC, NR, NU, PF, PG, SB, TO, WF, WS, Controller

First tsunami information shared by mail at OT+20 min (Wed Nov 9 23:20 UTC) from Fiji, Early Tonga messages were held at the beginning because sent from an unregistered email address.

2. Exercise Overview

General review of communication methods



- 89 messages exchanged 2255 UTC 09 Nov to 0100 UTC 10 Nov 2022
- \circ Messages sent by controllers : 11
- Test messages sharing event/tsunami information : 26 A total of 45 relevant
- Medias sharing event/tsunami information: 19
- Acknowledgment receipt : 5
- Other medias (Audio, Office pictures, ...): 8
- Communication issue : 10
- HF Radio check : 10 (At the beginning only)
- AU, FJ, NC, NR, PF, PG, TO, WF, WS, Controller

First information shared by Tonga 9 min after the Origin time at (Wed Nov 9 23:09 UTC)



A total of 45 relevant information shared

2. Exercise Overview

General review of communication methods



3. HF Radio :

- Communication test to define best frequency
- A dedicated WhatsApp Group has been created during the exercise to facilitate the technical HF Radio exchange.
- TO, FJ, NC, NR

3. Exercise Observations and Feedback

3.1 Objective 1 : Test HTHH PTWC Interim Procedures and PTWS products



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Floor is open to Players

for comments and feedback on the HTHH PTWC bulletins and interim products used during the exercise

Did you test your HTHH (volcano response) SOPs?

Did you understand PTWC HTHH products? Were they useful?

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3. Exercise Observations and Feedback

3.1 Objective 1 : Test HTHH PTWC Interim Procedures and PTWS products



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Floor is open to Observers

for comments and feedback on the HTHH PTWC bulletins and interim products used during the exercise

3. Exercise Observations and Feedback

3.2 Objective 2 : Test a regional cooperation



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Commission

- Listserv : tsunami-picts@list.woc.noaa.gov
- WhatsApp Group : PacWave-PICT
- HF Radio
 - A dedicated WhatsApp Group has been created during the exercise to facilitate the technical HF Radio exchange.

Floor is open to Players, then Observers

Was the information shared valuable for decision-making? What communication method was most useful? What was good? What was bad?



- 1. Did anyone continue to play the exercise at a National scale after the 2-hours?
- 1. Any ideas for improvements or other tools that could be useful for regional cooperation ?
- 1. Would you like to test again on a next Regional Exercise (PacWave24)?
- 1. Does anyone wants to comment on the WhatsApp message exchange for the Tonga event Mw 7.3 last 11 November ?

Reminders



Pacwave22 Live TSP Communications Test Form - 13 Oct, 2022 <u>https://www.surveymonkey.com/r/pacwave22_comm</u> 7 PICT / 26 responses

[Fiji, Cook Islands, Australia, New Caledonia, French Polynesia, United States, Samoa]

- PacWave22 Post-Exercise Evaluation Form 21 Dec, 2022
 <u>https://www.surveymonkey.com/r/pacwave22_eval</u>
 0 PICT / 6 responses
- PacWave22-PICT Regional Post-Exercise Evaluation Form 21 Dec, 2022 https://www.surveymonkey.com/r/PacWave22_PICTs
 4 / 18 responses [Samoa, French Polynesia, Australia, New Caledonia]





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Thank you