







UNESCO/IOC - NOAA TIIC Training Program in Hawaii (TP-Hawaii)
TSUNAMI EARLY WARNING SYSTEM
AND THE PACIFIC TSUNAMI WARNING CENTER (PTWC) ENHANCED PRODUCTS
TSUNAMI EVACUATION PLANNING AND UNESCO IOC TSUNAMI READY PROGRAMME
7-18 AUGUST 2023, Honolulu, Hawaii USA

EHW-23 Exercise Hawaii Wave 2023 General Instruction

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Director, PTWC, USA NOAA

EXERCISE Hawaii Wave 2023 - Summary

- Use and interpret PTWC products
- Apply a tsunami warning scenario to participant developed SOPs
- Describe actions taken by stakeholder agencies to tsunami warning
- Demonstrate knowledge through 'Press Conference'
- Receive comment from trainers and other participants

EXERCISE EHW-23 - Activities

EHW-23 to simulate decision-making on

- □ Issuance of Warning, or not, and where
- □ Upgrade of Warning, or not
- Coastal evacuation of threatened communities
- Continue, Cancel, Downgrade Warning;
- □ Criteria for Search and Rescue, Public All-Clear

INJECTS AND ACTIONS:

- 0-60 min: EQ Monitoring and Early Source Characterization,
 TSP Forecasts, Threat decision-making, TER risk decision-making,
 alerting and evacuation
- Min hrs: Wave arrival, Warning cancellation
- Hrs days: TER Search-and-Rescue, Safe-to-Return

EXERCISE EHW-23 - Scope and Format

- Conducted on Thursday, 17 August
 Modified Functional (separate NTWC / TER)
- □ Real time, but Controllers can advance / slow clock
- □ 3 sets of Country Groups (NTWC, TER): Take action based on their SOPs
 - 1. NTWC Fiji, NTWC/TER NDMO
 - 2. NTWC Hawaii, NTWC/TER HI-EMA (State) / DEM (City and County of Honolulu)
 - 3. NTWC Tonga, NTWC/TER NEMO

NTWC and TER physically separate

- Main conference room (3 TER/DMO, Controller, TSP, Media, Politician)
- ITIC Library / Conference Room / Nearby room (3 NTWC, Others, Public)
- Various locations other entities (by phone only)

EHW-23 - Conduct

- □ Exercise Begins 1400 local (000Z), Ends 1600 local (0200Z)
- □ Source is local tsunami for Fiji, Tonga, regional for Hawaii
- PTWC injects will be their tsunami bulletins
- Situation injects will be issued
- □ Each Group reviews injects, takes actions, and simulate interactions between stakeholders, and/or through Controllers
- Each Group documents its actions and responses, reviews its performance for report-back to Plenary through next-day Press Conference

EXERCISE CONTROL

- Exercise Controllers will control the pace and can suspend or advance the exercise Clock.
- Controllers and Simulators act as any outside agencies and individuals (i.e. media, prime minister, etc.) not physically present in order to interact with TWC & DMO groups.
- Controllers: Laura, Ardito, Chip
- Simulators:
 - PTWC Chip, Stuart
 - Political Stuart Weinstein
 - Media Ardito
 - Other Agencies Carolina, Marie
 - Public Tammy, Ethan
- □ Observers = Art, Desiree, all

GUIDANCE

- □ Each NTWC and TER/DMO is responsible for:
 - MESSAGES THEY WILL ISSUE (CONTENT)
 - Controller will provide EQ parameters, Tsunami arrivals, expected heights, observations, other situation injects
 - WHEN MESSAGES ISSUED (HOW OFTEN)
- Within each country, NTWC and TER/DMO communicate with each other / to their country
- National Agencies can contact other countries if they would like, especially if there are already pre-arranged information sharing agreements
- => USE TEMPLATES AND CHECKLISTS YOU DEVELOPED

GROUND RULES

- All communications are Messages that are delivered by
 - 1. PHONE (Voice) to designated phone number, or
 - 2. EMAIL (in standard format) through Controller
- PTWC Text Products issued to everyone.
 PTWC Enhanced Products issued to NTWC only. It is up to the NTWC to decide which, if any, of products to issue to the DMO or to the public
- Message standard format
 - Includes: To, From, Time, Method, content
 - Method of communication could be: Fax, telephone, radio, SMS, e-mail, satellite phones, WhatsApp, Twitter (X), other
- Log Messsages (electronic, paper)

EXERCISE MESSAGES

EXERCISE HAWAII WAVE 2023 THIS IS AN EXERCISE

TO:

FROM:

TIME: UTC

METHOD:

MESSAGE:

EXERCISE LOG

EXERCISE HAWAII WAVE 2023 (EHW-23) 17 August 2023, Honolulu, Hawaii USA

LOG OF EVENTS

ORGANIZATION NAME _____

Time	From	То	Communication Method	Activity / Action	Comments

EVALUATION - Press Conference

- □ 18 August, 0900-1000, Rm 1377
- □ Preparation for Press Conference today, after exercise to 1645 and tonight
- □ Press Conference (60 min)
 - 3 Country statements (NTWC and TER) 15 min each
 - Media Question and Answer 30-45 min
- □ Group Statements should focus on
 - What was supposed to happen
 - What went well Sustainable
 - What needs work Improvement
 - Did we accomplish our Goals?
 - What are your recommendations

EHW-23 Preparation – 1045 – 12 noon (and lunch)

■ Meet in your Group

- Review 'Tsunami Exercise Preparation Standard Operating Procedures (SOP) Checklists, Messages, and Communications'
- Discuss and decide on SOPs (both individual and together as 'country')
- Decide who will be Communications Focal Point
 - 1. Communication Focal Point (CFP) email addr
 - 2. Communication Focal Point (CFP) WHATSAPP
- Give CFP Information to Controllers (Laura, Ardito, Chip)
- Decide who will log actions (obtain file from Laura)
- Decide who will do Press Conference (NTWC-TER)

Be Ready!









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Thank You

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