

Tropical Storm Fernanda and Tropical Depression Greg were the only storms to enter the Central Pacific in 2017 but did not directly impact Hawaii/NOAA



Iao Valley, Maui, flooding, 2016



Ballistic Missile Preparedness press conference, 2017

# State of Hawaii

Hawaii Emergency Management Agency

Multi-year Training and Exercise Plan  
2017-2019 (Revised January 2018)



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## Preface

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The State of Hawaii is especially vulnerable to natural disasters due to its unique geographical setting. Hawaii has seen numerous destructive disasters: a category 4 hurricane, Hurricane Iniki, which struck on September 11, 1992; Tropical Storm Iselle in 2014; devastating lava flows on the Big Island between 1983 and 1993 that destroyed almost 200 homes, and again in 2015; severe flooding in March 2006 resulting in a dam break that killed seven people and storms that caused extensive flooding and damage on Maui in September 2016 resulting in a presidential disaster declaration; and a magnitude 6.7 earthquake in 2006 that caused severe damage on the Big Island, isolated a Maui community and resulted in an island-wide power outage on Oahu. The March 2011 Japan earthquake and tsunami caused major damage and destruction, especially to the Big Island. Tsunamis have accounted for more lost lives than the total of all other disasters in Hawaii. On April 1, 1946, 159 people lost their lives in Hawaii from a devastating tsunami that struck the Pacific, particularly in Hilo Town on the Big Island.

In the aftermath from these and other past disasters, the citizens of Hawaii have demonstrated remarkable resilience. This ever-present potential for a disaster, compounded by Hawaii's remote geographic location, underscores the need for a comprehensive, all-hazards approach for emergency preparedness and response.

The State of Hawaii has embraced a capabilities-based approach to training and exercising that addresses a broad range of risks and vulnerabilities. In pursuit of this approach, Hawaii has identified a need to coordinate planning, training, and exercising to strengthen overall proficiency in executing the 32 "core capabilities" defined in the 2015 National Preparedness Goal. Training and exercising play a crucial role in this process and provide Hawaii with a strategy for attaining, practicing, validating and improving new capabilities.

The Multi-Year Training and Exercise Planning Workshop (TEPW), conducted by Hawaii Emergency Management Agency on October 19, 2017, compiled stakeholder training and exercise plans and coordinated training and exercise schedules statewide. This input supplied the information to produce the 2017-2019 Hawaii Multi-Year Training and Exercise Plan (TEP). Hawaii's training and exercise programs are administered by Hawaii Emergency Management Agency, in coordination with the local emergency response agencies, Office of Homeland Security and FEMA Region IX, Pacific Area Office.

The Hawaii TEP is the roadmap for Hawaii to accomplish the priorities described within this document. Hawaii Emergency Management Agency is pursuing a Corrective Action Program (CAP) that combines enhanced planning, realistic exercises and innovative training to prevent, protect, mitigate, respond, and recover from emergencies and disasters that do occur. Training and exercise activities are the cornerstones to improving Hawaii's preparedness capabilities.

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**FEMA**

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## Purpose

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The purpose of the Multi-Year Training and Exercise Plan (TEP) is to document an organization's overall training and exercise program priorities for a specific multi-year time period. It is a living document that can be updated and refined annually. These priorities are linked to corresponding core capabilities, and, if applicable, a rationale based on existing strategic guidance, threat assessments, corrective actions from previous exercises, or other factors. This Multi-year TEP identifies the training and exercises that will help the organization build and sustain the core capabilities needed to address its training and exercise program priorities.

The Multi-year TEP lays out a combination of progressively building exercises, along with the associated training requirements, which align with priorities identified in the Training and Exercise Planning Workshop (TEPW). A progressive, multi-year exercise program enables organizations to participate in a series of increasingly complex exercises, with each successive exercise building upon the previous one until mastery is achieved. Further, by including training requirements in the planning process, organizations can address known shortfalls prior to exercising capabilities.

Included in this Multi-year TEP is a training and exercise schedule, which provides a graphic illustration of completed and proposed activities for the state's current 3-year training and exercise cycle (2016-2018) and a look forward to the next cycle (2019-2021).



Port Restoration Tabletop Exercise, Makani Pahili, 2017

## Program Priorities

### Ongoing Training and Exercise Priorities

The state has identified a set of core capabilities that will remain ongoing program priorities across training and exercise cycles. Developing and sustaining proficiency in these areas supports progress toward other core capabilities.

- Planning
- Operational Coordination
- Operational Communication

### 2016 – 2018 Training and Exercise Cycle

The program priorities for the current training and exercise cycle were determined by the state and counties, and the supporting core capabilities are based on stakeholder input provided at the TEPW. The priorities focus on threats and hazards from our State Threat and Hazard Identification and Risk Assessment (THIRA) and areas identified for improvement in After Action Reports/Improvement Plans (AAR/IPs) from real events and exercises. A Corrective Action Program (CAP) is being implemented that will track and validate corrective actions in future exercises. Grant funding requirements and other reports, such as the State Preparedness Report (SPR), were also considered when determining the program priorities.

The following were identified as priorities for the 2016 to 2018 training and exercise cycle.

PRIORITY	RELATED CORE CAPABILITIES	SPECIFIC FOCUS AREA(S) <i>(if applicable)</i>
<b>STATE AGENCY READINESS</b>	Planning	<ul style="list-style-type: none"> <li>• State Agency Emergency Operations Plan Development</li> </ul>
	Operational Coordination	<ul style="list-style-type: none"> <li>• State Emergency Response Team Curriculum</li> <li>• State Department/EOC Coordination</li> </ul>
	Operational Communication	<ul style="list-style-type: none"> <li>• State Agency Back-up Communications</li> </ul>
<b>MASS CARE</b>	Mass Care Services	<ul style="list-style-type: none"> <li>• Sheltering</li> </ul>
<b>CRITICAL SYSTEMS</b>	Critical Transportation	<ul style="list-style-type: none"> <li>• Port Recovery: Port of Honolulu</li> </ul>
	Logistics & Supply Chain Management	<ul style="list-style-type: none"> <li>• Temporary Emergency Power</li> </ul>
<b>HOMELAND SECURITY</b>	Cybersecurity	
	Physical Protective Measures	
	Risk Assessment	

In 2017, two new priorities were added to the 2016 – 2018 training and exercise cycle. The growing threat posed by North Korea’s development of nuclear weapons necessitated training and exercise support of state efforts to prepare for a potential attack. In addition, a grant provided the state an opportunity to build a more formal program to engage the private sector in emergency management planning and response activities. Training and exercising plans developed as part of this grant is now a focus. For 2018 the following priorities have been added:

PRIORITY	RELATED CORE CAPABILITIES	SPECIFIC FOCUS AREA(S)
<b>BALLISTIC MISSILE PREPAREDNESS</b>	Public Information & Warning	<ul style="list-style-type: none"> <li>Ballistic Missile Threat Notification</li> </ul>
	Intelligence & Information Sharing	
	Planning	<ul style="list-style-type: none"> <li>Ballistic Missile Response</li> </ul>
<b>PUBLIC/PRIVATE PARTNERSHIPS</b>	Operational Coordination	<ul style="list-style-type: none"> <li>Visitor Industry Emergency Coordination</li> </ul>

### Proposed Program Priorities 2019 – 2021

Program priorities from the current training and exercise cycle will carry forward into the 2019 – 2021 cycle. However, the specific targets the state seeks to develop related to these capabilities will shift. Two additional core capabilities will be priorities during the next exercise cycle starting in 2019 with training and workshops focused on these areas.

PRIORITY	RELATED CORE CAPABILITIES	SPECIFIC FOCUS AREA(S) <i>(if applicable)</i>
<b>STATE AGENCY READINESS</b>	Planning	<ul style="list-style-type: none"> <li>Continuity of Operations Plan Development</li> </ul>
	Operational Coordination	<ul style="list-style-type: none"> <li>State Emergency Response Team Curriculum</li> <li>State Department/EOC Coordination</li> </ul>
	Situational Assessment	<ul style="list-style-type: none"> <li>Reporting and Essential Elements of Information</li> </ul>
	Operational Communication	<ul style="list-style-type: none"> <li>State Agency Back-up Communications</li> </ul>
<b>MASS CARE</b>	Mass Care Services	<ul style="list-style-type: none"> <li>Sheltering</li> <li>Points of Distribution</li> </ul>
<b>CRITICAL SYSTEMS</b>	Critical Transportation	<ul style="list-style-type: none"> <li>Port Recovery: Port of Honolulu and Neighbor Islands</li> <li>Airport Restoration</li> <li>Debris Clearance</li> </ul>
	Logistics & Supply Chain Management	<ul style="list-style-type: none"> <li>Fuel Prioritization/Distribution</li> </ul>
<b>HOMELAND SECURITY</b>	Cybersecurity	
	Physical Protective Measures	
	Risk Assessment	

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## State Agency Readiness

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On August 11, 2015, Gov. David Ige signed Administrative Directive No.15-01, requiring each agency and department in the Executive Branch of State Government to establish minimum emergency management requirements for its employees and departments. A major focus for the Hawaii Emergency Management Agency (HI-EMA) has been on providing training and exercise support to help departments meet these requirements and improve their readiness to execute their emergency and essential functions during a disaster requiring state support.

### Planning – Development of Departmental Emergency Operations Plans

A requirement of the Administrative Directive is that all state agencies have departmental emergency operations plan and a continuity of operations plan. Few state agencies had current versions of these plan.

#### Core Capability: **PLANNING**

Conduct a systematic process engaging the whole community as appropriate in the development of executable strategic, operational, and/or tactical-level approaches to meet defined objectives.

#### 2016 – 2018 Cycle

##### Training

The 2016 to 2018 cycle has focused on providing training support to state agencies to help them develop their departmental emergency operations plans. In July 2016 a *State Agency Planning Workshop* was held to help state agencies begin the planning process. A two-part updated version of this workshop that includes a review and technical assistance component by HI-EMA planners will be held February and April 2018.

##### Exercise

Drills have been held to help state agencies test parts of their departmental plans. In July and December 2017 two departmental activation drills were held to provide agencies with an opportunity to test their internal notification procedures and the establishment of their Department Operations Centers (DOCs). Department plans will further be tested as part of the June 2018 Makani Pahili full-scale hurricane exercise.

#### 2019 – 2021 Cycle

The next training and exercise cycle will focus on the development and testing of state agency Continuity of Operations Plans in addition to continued testing of departmental emergency operations plans.

## Operational Coordination – State Emergency Response Team Curriculum

The Administrative Directive requires each department to identify an Emergency Management Officer (EMO) and State Emergency Support Function (SESF) representatives. These positions, along with HI-EMA staff, collectively make up the State Emergency Response Team (SERT). Bi-annual training and participation in the annual statewide exercise are requirements for SERT members and the state departments they represent.

### Core Capability: OPERATIONAL COORDINATION

Establish and maintain a unified and coordinated operational structure and process that appropriately integrates all critical stakeholders and supports the execution of core capabilities.

In support of the Administrative Directive and to ensure a coordinated state operational structure, HI-EMA has focused on implementing a training curriculum for the SERT to ensure they understand their roles and how they fit into state plans.

The curriculum is being designed to include a combination of online-based and classroom-based training. This design decision was informed by an October 2016 HI-EMA survey on state agency training preferences. The survey pointed to a preference of a mix of online and classroom training. Shorter classroom (1-2 day) classroom trainings were preferred. Multi-day training (more than 2 days) is not desirable because of the time spent away from regular duties.

The curriculum will be meet the program priorities identified in the State Threat and Hazard Identification and Risk Assessment (THIRA), After Action Reports/Improvement Plans (AAR/IPs) from real events and exercises, the Corrective Action Program (CAP) and the State Preparedness Report and grant funding.

### Operational Coordination: 2016 – 2018 Cycle

#### Training

In 2017 the first class of the SERT curriculum was released, *SERT Orientation*. Training on WebEOC, the online tool the state uses to plan and respond during an incident, continued during 2017 for more than 200 state emergency management personnel and partners. Delivery of both courses will be a focus of 2018.

In 2018 the SERT curriculum will expand to provide a dedicate course on the updated HI-EOP to ensure SERT members understand changes to the operational structure. In addition, HI-EMA will begin offering monthly training to its staff on current emergency management issues or topics of interest. Every other month all SERT members will be invited to attend.

#### Exercise

The updated *HI-EOP* will be exercised as part of the Makani Pahili full-scale exercise in 2018, as well as the ability to utilize WebEOC as a coordination tool during emergencies.

### Operational Coordination: 2019 – 2021 Cycle

In May of 2017 the base plan of a new *State of Hawaii Emergency Operations Plan* was released. Annexes to this plan will be developed over the next couple of years. The priority for training and exercise will be to socialize and test these plans are they are developed.

## **Operational Communications – State Agency Back-up Communications**

In 2017 a readiness survey of state agencies was conducted that revealed major deficits in the ability of these agencies to communicate internally or with the State Emergency Operations Center (SEOC) via backup communications. The training and exercise program will be part of an effort to address this deficiency.

### **Core Capability: OPERATIONAL COMMUNICATIONS**

Ensure the capacity for timely communications in support of security, situational awareness, and operations by any and all means available, among and between affected communities in the impact area and all response forces.

### **Operational Communications: 2016 – 2018 Cycle**

Training on backup communications equipment options and use of the equipment has been offered annually by HI-EMA during this cycle and will continue. State agency progress toward procuring and utilizing backup communications to talk to the SEOC was tested in Department Operations Center (DOC) Activation Drills in 2017.

### **Operational Communications: 2019 – 2019 Cycle**

Backup communications training will be more formally incorporated in the SERT curriculum during the next cycle. In addition, more complex exercises will be conducted to test backup voice and data capabilities as their impact on operational coordination.

## **Situation Assessment – State Emergency Response Team Curriculum**

During the current exercise cycle, HI-EMA has been working to expand the situational awareness features of its WebEOC system. Deployment of some of these features will occur in 2018. A priority of the 2019 – 2021 cycle will be to incorporate these new features into WebEOC training and to test their effectiveness in exercises.

### **Core Capability: SITUATIONAL ASSESSMENT**

Provide all decision makers with decision-relevant information regarding the nature and extent of the hazard, any cascading effects, and the status of the response.

## **Rationale for Focus on State Agency Readiness**

- Administrative Directive No. 15-01
- HI-EMA Training Survey (October 2016)
- Makani Pahili evaluation surveys (July 2016)
- State of Hawaii Emergency Operations Plan (May 2017)

## Training Courses to Support State Agency Readiness

The following courses will be considered for the Emergency Management Officers and the State Emergency Response Team (SERT) curriculum.

### Independent Study Courses

Course Number and Title	Link/Information
IS-100 Introduction to Incident Command System	<a href="http://training.fema.gov/EMIWeb/IS/is100b.asp">http://training.fema.gov/EMIWeb/IS/is100b.asp</a>
IS-200 ICS for Single Resources and Initial Action Incidents	<a href="http://training.fema.gov/emiweb/is/is200b.asp">http://training.fema.gov/emiweb/is/is200b.asp</a>
IS-700 National Incident Management System (NIMS)	<a href="http://training.fema.gov/emiweb/is/is700a.asp">http://training.fema.gov/emiweb/is/is700a.asp</a>
IS-800 National Response Framework, An Introduction	<a href="http://training.fema.gov/is/courseoverview.aspx?code=IS-800.b">http://training.fema.gov/is/courseoverview.aspx?code=IS-800.b</a>
Professional Development Series (EMI Online)	<a href="http://training.fema.gov/is/searchis.aspx?search=PDS">http://training.fema.gov/is/searchis.aspx?search=PDS</a>

### Classroom Courses

Classroom courses available that support the development of SERT members

Course Number and Title	Link/Information
ICS-300 Intermediate ICS for Expanding Incidents	<a href="http://training.fema.gov/emicourses/docs/fy16%20catalog.pdf">http://training.fema.gov/emicourses/docs/fy16%20catalog.pdf</a>
ICS-400 Advanced ICS	<a href="http://training.fema.gov/emicourses/docs/fy16%20catalog.pdf">http://training.fema.gov/emicourses/docs/fy16%20catalog.pdf</a>
MGT-346 Operations and Planning for All Hazards	<a href="https://teex.org/Pages/Class.aspx?course=MGT346&amp;courseTitle=EOC+Operations+and+Planning+for+All+Hazards">https://teex.org/Pages/Class.aspx?course=MGT346&amp;courseTitle=EOC+Operations+and+Planning+for+All+Hazards</a>
Developing Departmental Emergency Plans	Part 1: February 28, 2018 Part 2: April 5, 2018

## Exercises to Support State Agency Readiness

- Makani Pahili 2017 Agency Activation Drill
- December 2017 Department Operations Center Activation Drill
- Makani Pahili 2018 Full-Scale Exercise/Functional



State Emergency Operations Center activation drill, 2017

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## Mass Care

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The ability to deliver mass care services in the State of Hawaii has been deemed a top priority for the current training and exercise cycle, with an initial focus on shelters. Assumptions contained in the *2015 State of Hawaii Catastrophic Hurricane Annex* clearly showed that mass care support requirements following a major disaster would be extensive. It is the priority of the state, counties and partner agencies to establish standards and roles and responsibilities for sheltering and other mass care services that will align and inform mass care plans.

**Core Capability:  
MASS CARE SERVICES**

Provide life-sustaining and human services to the affected population, to include hydration, feeding, sheltering, temporary housing, evacuee support, reunification, and distribution of emergency supplies.

### **Mass Care: 2016 – 2018 Cycle**

Starting in 2015, the State and counties began developing shelter plans using the progressive approach of a crawl, walk, run phase, and exercising these plans each year. The first year (2016) focused on the statewide hurricane evacuation shelter guidelines as well as roles and responsibilities of local jurisdiction and mass care partners. In 2017, a statewide workshop was held to develop standardized shelter resource lists. Shelters will be part of the full-scale exercise in 2018 to test activation and staffing of hurricane evacuation shelters.

### **Mass Care: 2019 – 2021 Cycle**

The 2019 to 2021 cycle will continue to focus on shelter planning, with greater emphasis on post-impact shelter operations. Mass care planning, training and exercise efforts will also expand to look at points of distribution (PODS).

### **Rationale for Mass Care Focus**

- Makani Pahili 2014 After Action Report/Improvement Plan
- Makani Pahili 2017 Shelter Resourcing Workshop After Action Report/Improvement Plan
- State of Hawaii Threat and Hazard Identification and Risk Assessment (2017)
- State of Hawaii 2015 Catastrophic Hurricane Annex

## Mass Care Supporting Training Courses

### Independent Study Courses

The following training courses are available online and will be promoted to mass care stakeholders:

Course Number and Title	Link
IS-235 Emergency Planning	<a href="https://www.training.fema.gov/is/courseoverview.aspx?code=is-235.b">https://www.training.fema.gov/is/courseoverview.aspx?code=is-235.b</a>
IS-405 Overview of Mass Care/Emergency Assistance	<a href="http://training.fema.gov/is/courseoverview.aspx?code=IS-405">http://training.fema.gov/is/courseoverview.aspx?code=IS-405</a>
IS-806 Emergency Support Function #6 Mass Care, Emergency Assistance, Housing and Human Services	<a href="http://training.fema.gov/is/courseoverview.aspx?code=IS-806">http://training.fema.gov/is/courseoverview.aspx?code=IS-806</a>
IS-26 Guides to Points of Distribution	<a href="https://training.fema.gov/is/courseoverview.aspx?code=IS-26">https://training.fema.gov/is/courseoverview.aspx?code=IS-26</a>

### Classroom Courses

The following classroom-based courses will be prioritized for delivery during the current training cycle:

Course Number and Title	Link
E/L-411 Mass Care/Emergency Assistance for Field Operations (EMI Campus or Resident Delivery)	<a href="https://training.fema.gov/emcourses/docs/fy16%20catalog.pdf">https://training.fema.gov/emcourses/docs/fy16%20catalog.pdf</a>
G-108 Community Mass Care and Emergency Assistance	<a href="http://www.nationalmasscarestrategy.org/wp-content/uploads/2014/07/cmcea_factsheet.pdf">http://www.nationalmasscarestrategy.org/wp-content/uploads/2014/07/cmcea_factsheet.pdf</a>

## Mass Care Supporting Exercises

- Makani Pahili 2016 Shelter Guidelines/Roles and Responsibilities Workshop (held in July 2016)
- Makani Pahili 2017 Shelter Resourcing Workshop (July 12, 2017)
- Makani Pahili 2018 Full-Scale Exercise Shelter Activation and Staffing
- Makani Pahili 2019 Points of Distribution Workshop

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## Critical Systems

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The 2015 Catastrophic Hurricane Plan and subsequent planning efforts to examine the State's critical systems and their dependencies, brought into sharp focus the magnitude of the logistical challenges the State will face following a major disaster. As a result, major planning initiatives are underway to address these issues and it is a priority of the training and exercise program to support the development of those plans. Given the State's isolation, dependency on imports for critical supplies, reliance on a single hub port and a just-in-time logistics system, the immediate priorities for logistics are to address the protection and restoration of the port and supply chain.

For the 2016 to 2018 cycle, two major logistics tracks were developed:

- Port of Honolulu Restoration
- Temporary Emergency Power

For the 2019 to 2021 cycle, the focus on port restoration will continue but the focus will expand to neighbor island commercial sea ports as well as commercial airports. In addition, the state plans to support two other new planning initiatives, debris clearance and fuel prioritization and distribution, through the training and exercise program.

### Rationale for Focus on Logistics

- Hawaii Emergency Management Agency Critical Systems Analysis (2016)
- Hawaii Emergency Management Agency Corrective Action Program (2015)
- State of Hawaii Threat and Hazard Identification and Risk Assessment

### Logistics Supporting Training

- March 27, 2018 Generator Prioritization Training
- Port Assessment Training
- Generator Prioritization Tool Training (Spring 2017)

### Logistics Supporting Exercises

- County Generator Prioritization Workshops (February 2017)
- Makani Pahili Generator Prioritization Tabletop Exercise; Port Restoration Workshop (July 2017)
- Makani Pahili 2018 Full-Scale Exercise Port Damage Assessment and Generator Prioritization
- 2019 Neighbor Island Port Restoration Workshops

#### **Core Capability: LOGISTICS AND SUPPLY CHAIN MANAGEMENT**

Deliver essential commodities, equipment, and services in support of impacted communities and survivors, to include emergency power and fuel support, as well as the coordination of access to community staples. Synchronize logistics capabilities and enable the restoration of impacted supply chains.

#### **Core Capability: CRITICAL TRANSPORTATION**

Provide transportation (including infrastructure access and accessible transportation services) for response priority objectives, including the evacuation of people and animals, and the delivery of vital response personnel, equipment, and services into the affected areas.



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# Homeland Security

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## Cybersecurity

The State Office of Homeland Security has identified the following priorities related to cybersecurity:

- Provide cyber security awareness training and education based on levels of expertise
- Coordinate with DOE/University/Academia to build the cyber resiliency for the state
- Identify and host additional private sector in the Cyber Security Intelligence Center
- Develop Cyber Security Response Plan

**Core Capability:  
CYBERSECURITY**

Protect (and if needed, restore) electronic communications systems, information, and services from damage, unauthorized use, and exploitation.

### Rationale for Focus on Cybersecurity

Cyber security is a focus for Homeland Security. PD-41 provides details for cyber and cyber security; a Cyber Response Plan is under development.

### Cybersecurity Supporting Training and Exercises

Course Number and Title	Links
MGT 384 Community Preparedness for Cyber Incident	<a href="https://teex.org/Pages/Class.aspx?course=MGT384&amp;courseTitle=The+EOC">https://teex.org/Pages/Class.aspx?course=MGT384&amp;courseTitle=The+EOC</a>
AWR-136 Essentials of Community Cyber Security	<a href="https://teex.org/Pages/Class.aspx?course=AWR136&amp;courseTitle=Essentials+of+Community+Cybersecurity">https://teex.org/Pages/Class.aspx?course=AWR136&amp;courseTitle=Essentials+of+Community+Cybersecurity</a>
MGT-452 Physical and Cyber Security for Critical Infrastructure	<a href="https://www.eventbrite.com/o/hawaii-homeland-security-training-opportunities-6910741921">https://www.eventbrite.com/o/hawaii-homeland-security-training-opportunities-6910741921</a>

## Physical Protective Measures

The State Office of Homeland Security has identified the following priorities related to physical protective measures:

- Update/reassess the Critical Infrastructure Assessments for the State of Hawaii.
- Develop countermeasures for systems, networks, assets based on assessment of critical infrastructure.
- Update Homeland Security materials for operational activities.
- Through the Fusion Center identify and assess the threats to state of Hawaii; provide materials and products for federal, state, private and public sector for information and steps to assess and reduce risk.
- Continue to improve the Hawaii State Fusion Center Partners meetings that provide for 30-minute drills for impromptu synchronization of response to an incident

**Core Capability:  
PHYSICAL PROTECTIVE  
MEASURES**

Implement and maintain risk-informed countermeasures, and policies protecting people, borders, structures, materials, products, and systems associated with key operational activities and critical infrastructure sectors.

## Rationale for Focus on Physical Protective Measures

Critical infrastructure assessments

## Physical Protective Measures Supporting Training and Exercises

Course Number and Title	Link
AWR 213 Critical Infrastructure and Resilience Awareness	<a href="https://www.eventbrite.com/e/statewide-communication-interopability-plan-scip-workshop-tickets-29907670648">https://www.eventbrite.com/e/statewide-communication-interopability-plan-scip-workshop-tickets-29907670648</a>
AWR-219 Site Protection Through Observation Technique Train-the Trainer	<a href="https://www.eventbrite.com/o/hawaii-homeland-security-training-opportunities-6910741921">https://www.eventbrite.com/o/hawaii-homeland-security-training-opportunities-6910741921</a>
MGT-452 Physical and Cyber Security for Critical Infrastructure	<a href="https://www.eventbrite.com/o/hawaii-homeland-security-training-opportunities-6910741921">https://www.eventbrite.com/o/hawaii-homeland-security-training-opportunities-6910741921</a>

## Risk Assessment

The State Office of Homeland Security has identified the following priorities related to risk assessment:

- Coordinate/collaborate with critical infrastructure related to assessment; ensure the assessment identifies threat, vulnerabilities and consequences
- Development of complex coordinated attack plan – plan for tabletops 2018 and full-scale exercise 2019
- Conduct COOP Training; update plans
- Protective Measures Training
- ICS Trainings / Multiagency Training
- Liaison Training for Fusion Center

## Rationale for Focus on Risk Assessment

Critical infrastructure assessments

## Risk Assessment Supporting Training and Exercises

Course Number and Title	Link
ISC-300 Intermediate ICS for Expanding Incidents	<a href="https://www.eventbrite.com/o/hawaii-homeland-security-training-opportunities-6910741921">https://www.eventbrite.com/o/hawaii-homeland-security-training-opportunities-6910741921</a>
ICS-400 Advanced ICS for Command and General Staff	<a href="https://www.eventbrite.com/o/hawaii-homeland-security-training-opportunities-6910741921">https://www.eventbrite.com/o/hawaii-homeland-security-training-opportunities-6910741921</a>
AWR-213 Critical Infrastructure and Resilience Awareness Security	<a href="https://www.eventbrite.com/o/hawaii-homeland-security-training-opportunities-6910741921">https://www.eventbrite.com/o/hawaii-homeland-security-training-opportunities-6910741921</a>
MGT 315 Critical Risk Assessment, Sept 25-26	<a href="https://www.eventbrite.com/o/hawaii-homeland-security-training-opportunities-6910741921">https://www.eventbrite.com/o/hawaii-homeland-security-training-opportunities-6910741921</a>
Development of complex coordinated attack plan full-scale tabletop (2018), exercise (2019)	

### Core Capability: RISK AND DISASTER RESILIENCE ASSESSMENT

Assess risk and disaster resilience so that decision makers, responders, and community members can take informed action to reduce their entity's risk and increase their resilience.

### Core Capability: RISK MANAGEMENT FOR PROTECTION PROGRAMS AND ACTIVITIES

Identify, assess, and prioritize risks to inform Protection activities, countermeasures, and investments.

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## Public/Private Partnerships

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The Hawaii Emergency Management Agency (HI-EMA) started an initiative to expand and formalize its outreach program to engage the private sector. The program is called the Business Resource Center (BRC). The first sector that was engaged through the BRC initiative was Hawaii's visitor industry. A Visitor Coordination Plan was developed in 2017 that will be the focus of training and exercises in 2018. HI-EMA will continue to provide training to the private sector to engage other industry segments in the BRC program and promote public/private partnerships.

### Rational for Public/Private Partnerships

Hawai'i Natural Disaster Economic Recovery Strategy (NDERS) (2014)

### Public/Private Partnership Supporting Training

#### Independent Study Courses

The following training courses are available online and will be promoted to stakeholders:

Course Number and Title	Link
IS-660 Introduction to Public-Private Partnerships	<a href="https://training.fema.gov/is/courseoverview.aspx?code=IS-660">https://training.fema.gov/is/courseoverview.aspx?code=IS-660</a>
IS-662 Improving Preparedness and Resilience through Public-Private Partnerships	<a href="https://training.fema.gov/is/courseoverview.aspx?code=IS-662">https://training.fema.gov/is/courseoverview.aspx?code=IS-662</a>

#### Classroom Courses

The following classroom-based courses will be prioritized for delivery during the current training cycle:

Course Number and Title	Date
Maturing Public-Private Partnerships	March 1, 2018
Visitor Industry Coordination Training	Spring 2018

### Public/Private Partnership Supporting Exercises

- Makani Pahili 2017 Visitor Industry Tabletop Exercise
- Makani Pahili 2018 Visitor Industry Full-Scale Exercise

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## Methodology and Tracking

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HI-EMA and the state Office of Homeland Security conducted a statewide Training and Exercise Planning Workshop on October 19, 2017 to use the guidance provided by senior officials to identify and set exercise program priorities and develop a multi-year schedule of exercise events and supporting training activities to meet those priorities. Participants included emergency managers from the state, counties, federal and military, nongovernmental, non-profit agencies and the private sector.



The mission of the state’s emergency management agency is to institute training, preparedness and public-information programs in coordination with the State, counties, the federal government, other states, and private-sector and nonprofit organization. (Hawaii Revised Statutes 127A). The training mission of the state’s Office of Homeland Security is to provide programs, in coordination with county agencies, other state and federal agencies, and the private sector, to educate and train publicly and privately employed workers and the general public to be prepared for potential attacks. (Hawaii Revised Statutes 128A-1).

The state incorporates the Homeland Security Exercise and Evaluation Program, or HSEEP, which consists of an integrated set of core principles that frame a common approach to exercises.

### HSEEP Principles

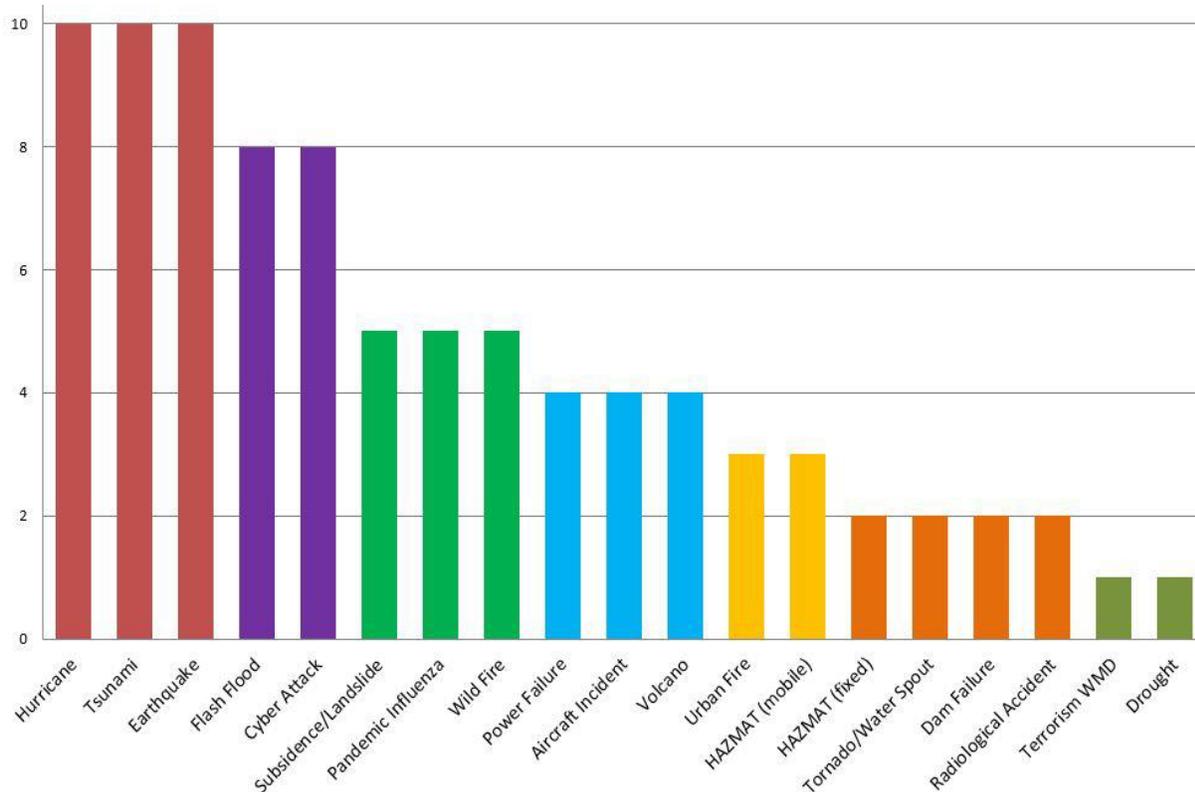
- Guided by elected and appointed officials
- Whole Community integration
- Common methodology
- Informed by risk
- Capability-based, objective driven
- Progressive planning approach

HSEEP uses a common methodology for planning and conducting exercises (exercise cycle right):



## Informed by Risk

What do we need to prepare for? The state’s Threat and Hazard Identification Risk Assessment identified the threats and hazards of greatest concern to Hawaii from “high risk” (10) to “not an event” (1) (Chart from state Threat and Hazard Identification Risk Assessment (2016)).



The National Preparedness Goal identifies 5 mission areas:



Thirty-two core capabilities, which are district critical elements needed to achieve this goal, are grouped across these mission areas. Organizations can use exercises as a way to examine current and required core capability levels and identify gaps. Detailed descriptions of the National Preparedness Goal’s Core Capabilities can be found here: <https://www.fema.gov/core-capabilities>

## Progressive Planning Approach

A progressive approach includes the use of various exercises aligned to a common set of exercise program priorities and objectives with an increasing level of complexity over time.

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## Multi-year Training and Exercise Schedule

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The Multi-year Training and Exercise Schedule includes emergency management events submitted by agencies and organizations around the state. The details are subject to change. The Hawaii Emergency Management Agency also has an online calendar for which agencies and organizations can submit entries <http://dod.hawaii.gov/hiema/ert-resources/training-exercise/>. Submissions can be e-mailed to Bart Asato, HI-EMA's training officer at [bart.y.asato@hawaii.gov](mailto:bart.y.asato@hawaii.gov).

## 1<sup>st</sup> Quarter October – December 2017

### October

Oct 20 – Dialysis Full Scale Exercise, HAH Emergency Services Coalition, 808-599-2899

Oct 20 – Honolulu International Airport Triennial Exercise

Oct 21 – State Stimulated Emergency Test (SET) Communication Exercise, HI-EMA, 808-733-4300

Oct 24-25 – Environmental and Historic Preservation (EHP) Training, HI-EMA, 808-733-4300

Oct 25 – Air Coordination Annex Tabletop Exercise, HI-EMA, 808-733-4300

Oct 30-31 Benefit Cost Analysis (BCA) Training, HI-EMA, 808-733-4300

### November

Nov 01 – Benefit Cost Analysis (BCA) Training, HI-EMA, 808-733-4300

Nov 03 – Wet Season Outlook and Preparedness Training, HI-EMA, 808-733-4300

Nov 09 – Introduction to Emergency Communications for SERT, HI-EMA, 808-733-4300

Nov 08, 15 – WebEOC I, HI-EMA, 808-733-4300

Nov 13, 20 – WebEOC II, HI-EMA, 808-733-4300

Nov 16 – State Emergency Response Team Orientation, HI-EMA, 808-733-4300

Nov 16 – Kona International Airport Triennial Exercise, S-DOT, 838-8708

Nov 29 – COML Training, Oahu, OHS, 733-4205

Nov (TBD) – State Warning Point Training on Ballistic Missile Preparedness Notification, HI-EMA, 808-733-4300

Nov (TBD) – Shelter Exercise Series – Opening, Maui, 270-7285

TBD – Internal All-Hazards Response TTX, UH-Manoa, [lagunero@hawaii.edu](mailto:lagunero@hawaii.edu)

### December

Dec 04, 12 – WebEOC I, HI-EMA, 808-733-4300

Dec 08, 14 – WebEOC II, HI-EMA, 808-733-4300

Dec 06 – Department Operations Centers Activation Drill, HI-EMA, 808-733-4300

Dec. 10 – Honolulu Marathon, DEM, 808-723-8952

Dec (TBD) – Ballistic Missile Preparedness Notification Drill, HI-EMA Warning Point/USPACOM, 808-733-4300

Dec (TBD) – Shelter Exercise Series – Running / WMD/Terror/Nuclear Plan Training, Maui, 270-7285

## 2<sup>nd</sup> Quarter January – March 2018

### January

Jan 11, 12, 18– Homeland Security Grant Meeting, Oahu, OHS, 733-4205

Jan 25 – HI-EMA Required Staff Training Annexes to the Emergency Operations Plan, HI-EMA, 808-733-4300

Jan 29 – March 23 Basic Intelligence and Threat Analysis Course, Oahu, OHS, 733-4205

Jan TBD – Ballistic Missile Preparedness Notification Drill, State Warning Point/USPACOM/FEMA, 808-733-4300

Jan TBD – Communications Exercise. OHS, 733-4205

Jan TBD – Public Worksheet Formulation Training, HI-EMA, 808-733-4300

### February

Feb 2018 – MGT-361, Managing Critical Incidents at Institutions of Higher EDU: A Whole Community Approach, UH, West HI, OHS, 733-4205

Feb xx-xx, ICS 300 and ICS 400, Coast Guard, 808-535-3306

Feb 12-13 – MGT 318 Public Information Course, Maui, OHS, 733-4205

Feb 15-16 – MGT 318 Public Information Course, Hawaii, OHS, 733-4205

Feb 16, 20-22 – HAZMAT for First Responders Awareness and Operations, Hawaii Community College, HFD

Feb 23-24 – HAZMAT for First Responders Awareness and Operations TTT, Hawaii Community College, Oahu, HFD

Feb 28 – Department Emergency Operations Plan Training for State Agencies, HI-EMA, 808-733-4300

Feb 18-05 – Open Source Practitioners Seminar, Oahu, OHS, 733-4205

### March

Mar 6-7 – AWR 136 Introduction to Cyber Security and MGT 384 Community Preparedness for Cyber Indicators. Hawaii

Mar 8-9 – MGT 452 Physical and Cyber Security for Critical Infrastructure, Hawaii, OHS, 733-4205

Mar 1-2 – Public Private Partnerships (P3), Oahu, OHS, 733-4205,

Mar 21-23 – AWR 336 Health Sector Emergency Preparedness Course, Oahu, OHS, 733-4205

Mar 29 – HI-EMA Staff Training: Emergency Management Assistance Compact (EMAC), HI-EMA, 808-733-4300

## 3<sup>rd</sup> Quarter April - June 2018

### April

April 24-28 – USCG Sector Honolulu NPREP Government Lead (Oil/HAZMAT) Full-scale Exercise, 842-2687

April (TBD) – PER 229 CAMEO, Oahu, OHS, 733-4205

April (TBD) – PER 220 Emergency Response to Domestic Biological Incidents, Oahu, OHS, 733-4205

April (TBD) – PER 222 Public Safety WMD Responses, Sampling Techniques and Guidelines. Oahu, OHS, 733-4205

Apr 3-6 – ICS 300 and 400 Training, Kauai, OHS, 733-4205

Apr 9-13 – 249<sup>th</sup> Engineers Evaluation (Facility Assessment) Exercises, Oahu (tent), US Army Corps of Engineers, 808-835-4082

Apr 24-27 – ICS 300 and 400 Training, Maui, OHS, 733-4205

Apr TBD – PDAT Procurement Training, HI-EMA, 808-733-4300

Apr TBD – Project Worksheet Management Training, HI-EMA, 808-733-4300

### May

May 16 – MGT 312 Crisis Leadership/MGT 340 Senior Officials Course, Hawaii, OHS, 733-4205\

Apr TBD – FEMA Grants Technical Assistance Training, HI-EMA, 808-733-4300

### June

June 4-8 – Makani Pahili, Full-Scale Exercise, HI-EMA, 808-733-4300

June (TBD) – State Senior Leader Seminar, HI-EMA, 808-733-4300

June (TBD) – Communication Exercise, State & County EOC Staff, 808-733-4300

June 4-6 – PER 335 Complex Coordinated Attacks, Oahu, OHS, 733-4205

June 7-9 – PER 340 Active Threat Integrated Response Course and Exercise, Oahu, OHS, 733-4205

June (TBA) – L705 Grants Management Training, OHS, 733-4205

During quarter: DOH Mass Care Exercise

## 4<sup>th</sup> Quarter July – September 2018

### July

July 2-30 – RIMPAC

Humanitarian Assistance Disaster Relief (part of RIMPAC), HAH (co-medical lead), 808-599-2899

911 Dispatchers Course

Communications Leaders / Communications Unit Course

Communications Exercise

TRIC Training

PER 241 WMD Radiological Nuclear Course for Hazardous Materials Technicians

PER 243 Personal Radiation Detection Course

PER 245 Secondary Screening

PER 246 Backpack Screening

PER 247 Secondary Screening/RDK Operations and Strategy Course

PER 318 RAD/NUC Preventive/RAD/NUC Detection Team Operations

July 10-11 PER 335 Complex Coordinated Attacks, Oahu, OHS, 733-4205

July 17-19 PER 340 Active Threat Integrated Response Course and Exercise, Oahu, OHS, 733-4205

RAD/Nuclear Training for Maritime

### August

Aug 13-17 – 249<sup>th</sup> Engineers Evaluation (Facility Assessment) Exercises, Neighbor Island (tent), US Army Corps of Engineers, 808-835-4082

Aug 16 -- Coast Guard Maritime Security Exercise, Nawiliwili Harbor, Kauai, 808-842-2687

Aug 21-13 AWR 136 Introduction to Cyber Security and MGT 384 Community Preparedness for Cyber Indicators. Oahu Health Community

Aug 27 -29 AWR 136 Introduction to Cyber Security and MGT 384 Community Preparedness for Cyber Indicators. Oahu

Aug – Preparedness for Cyber Indicators. Oahu, OHS, 733-4205

Aug – MGT 452 Physical and Cyber Security for Critical Infrastructure, Oahu, OHS, 733-4205

Aug 21-25 – ICS 300 and 400 Training, Oahu, OHS, 733-4205

### September

Sep 24 – AWR 213 Critical Infrastructure and Resilience Awareness Security, Oahu, OHS, 733-4205

Sept 25-26 – MGT 315 Critical Risk Assessment, Oahu, OHS, 733-4205

Sep 18-22 – ICS 300 and 400 Training, Hawaii, OHS, 733-4205

Sept 27-28 – MGT 317 Disaster Management for Public Services, OHS, 733-4205

## October 2018 to September 2019

### October-December 2018

#### October (dates TBA)

PER 229 CAMEO, Oahu, OHS, 733-4205

9 11 Dispatchers Course

Communications Leaders / Communications Unit Course

Communications Exercise

TRIC Training

PER 241 WMD Radiological Nuclear Course for Hazardous Materials Technicians

PER 243 Personal Radiation Detection Course

PER 245 Secondary Screening

PER 246 Backpack Screening

PER 247 Secondary Screening/RDK Operations and Strategy Course

PER 318 RAD/NUC Preventive/RAD/NUC Detection Team Operations

RAD/Nuclear Training for Maritime

#### November (dates TBA)

#### December (dates TBA)

### April-June 2019

#### April (dates TBA)

#### May (dates TBA)

#### June (dates TBA)

Makani Pahili 2019

### January-March 2019

#### January (dates TBA)

#### February (dates TBA)

ICS 300 and ICS 400, Coast Guard, 808-842-2687

#### March (dates TBA)

March 7-8 MGT 18 Public Information Course, Kauai, 733-4205

### July-September 2019

#### July (dates TBA)

#### August (dates TBA)

#### September (dates TBA)

2019, CCA TTX, Homeland Security Office

## October 2019 to September 2020

### October-December 2019

**October (dates TBA)**

**November (dates TBA)**

**December (dates TBA)**

### April-June 2020

**April (dates TBA)**

**May (dates TBA)**

**June (dates TBA)**

Makani Pahili 2020

### January-March 2020

**January (dates TBA)**

**February (dates TBA)**

**March (dates TBA)**

### July-September 2020

**July (dates TBA)**

RIMPAC

**August (dates TBA)**

**September (dates TBA)**

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## Acknowledgements

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The Hawaii Emergency Management Agency acknowledges the following participants in the 2017 Training and Exercise Planning Workshop.

**Hosts:** Hawaii Emergency Management Agency, State of Hawaii  
Homeland Security Office

**Counties:** Hawaii County Civil Defense Agency, City and County  
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Emergency Management Agency, Kauai Emergency  
Management Agency  
Federal Emergency Management Agency, Region IX, Pacific  
Area Office  
American Red Cross  
Civil Air Patrol  
Defense Logistics Agency  
Hawaii Department of Defense  
Hawaii National Guard  
Hawaii Department of Accounting and General Services  
Hawaii Department of Business, Economic Development and  
Tourism  
Hawaii Department of Commerce and Consumer Affairs  
Hawaii Department of Human Resources Development  
Hawaii Department of Education  
Hawaii Department of Land and Natural Resources  
Hawaii Department of Human Services  
Hawaii Air National Guard  
Hawaii Public Housing Authority

Hawaii Department of Health  
Hawaii Department of Public Safety  
Hawaii Department of Transportation  
Hawaii Public Utilities Commission  
Hawaiian Electric Company  
HAH Emergency Services  
Healthcare Association of Hawaii Emergency Services  
Judiciary  
NOAA National Weather Service  
Office of Enterprise Technology Services  
Pacific Disaster Center  
State Radio Amateur Civil Emergency Services  
Southern Baptist Disaster Relief  
State RACES  
U.S. Army Corps of Engineer  
U.S. Coast Guard Sector Honolulu  
U.S. Homeland Security National Protection and Programs  
Directorate  
Commander, U.S. Pacific Fleet  
U.S. Pacific Command Defense Coordinating Element  
U.S. Homeland Security Transportation Security  
Administration