

*“Serving Our Commonwealth”*



*The Plan*  
*Putting the Pieces Together*





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# Welcome and Introductions

Name

Organization

**Knowledge of:**

THIRA

HSEEP

TEP



**KYEM**

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Threat and Hazard Identification and Risk Assessment

# THIRA



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# Where it all begins...

## Threat and Hazard Identification and Risk Assessment (THIRA)



Natural or manmade occurrence, individual, entity, or action that has or indicates the potential to harm life, information, operations, the environment, and/or property





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# Where it all begins...

## Threat and Hazard Identification and Risk Assessment (THIRA)



### “THREAT”

**Natural:** a potential incident resulting from acts of nature

**Technological:** a potential incident resulting from accidents or failures of systems or structures

**Human-Caused:** a potential incident resulting from the intentional actions of an adversary





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# Where it all begins...



## Threat and Hazard Identification and Risk Assessment (THIRA)

### “HAZARD”

Natural or manmade occurrence, individual, entity, or action that has or indicates the potential to harm life, information, operations, the environment, and/or property





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# Where it all begins...

## Threat and Hazard Identification and Risk Assessment (THIRA)



### “RISK”

The potential for an unwanted outcome resulting from an incident, event, or occurrence as determined by its likelihood and the associated consequences





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## Threat and Hazard Identification and Risk Assessment (THIRA)

Removing any portion of the process will cause a cessation of the desired result.







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# **Building a THIRA Looking at The Steps**



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# Building the THIRA “Your Top Threat / Hazard”

**Step #1 – Pick one Threat or Hazard to be the base for this THIRA Plan**

**TORNADO**





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# Building the THIRA “Your Top Threat / Hazard”

## Step #2 - Decide on One of the Five Mission Areas

**Prevention:** Avoid, prevent or stop imminent, threatened or actual act of terrorism.

**Protection:** Protect our citizens, residents, visitors, assets, systems and networks against the greatest threats and hazards in a manner that allows our vital interest and way of life to thrive.

**Mitigation:** Reduce loss of life and property by lessening the impact of disasters.

**TORNADO**

**Response:** Respond quickly to save lives, protect property and the environment, and meet basic human needs in the aftermath of an incident.

**Recovery:** Assist communities affected by an incident to recover through a focus on the timely restoration, strengthening and revitalization of infrastructure, housing and the economy, as well as the health, social, cultural, historic and environmental fabric of communities affected by an incident.



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## **Add Context to the Threat:**

- How bad is it?
- How many citizens affected?
- What is the economic impact?
- What is the overall impact?



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# Building the THIRA “Your Top Threat / Hazard”

**Step #2 - Decide on Mission Area**

**Response**

**Step #3 - Pick Core Capability(s) from the National Preparedness Goal Reference Sheet**

**TORNADO**





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# Building the THIRA “Your Top Threat / Hazard”

**Step #2 - Decide on Mission Area**

**Response**

**Step #3 - Pick Core Capability(s) from the National Preparedness Goal Reference Sheet**

**Example: Critical Transportation & Situational Awareness**

**TORNADO**





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# Building the THIRA “Your Top Threat / Hazard”

**Step #2 - Decide on Mission Area**

## **Response**

**Step #3 - Pick Core Capability(s) from the National Preparedness Goal Reference Sheet**

### **Critical Transportation**

1. Establish physical access through appropriate transportation corridors and deliver required resources to save lives and to meet the needs of disaster survivors.
2. Ensure basic human needs are met, stabilize the incident, transition into recovery for an affected area, and restore basic services and community functionality.
3. Clear debris from any route type, (i.e., road, rail, airfield, port facility, waterway) to facilitate response operations.



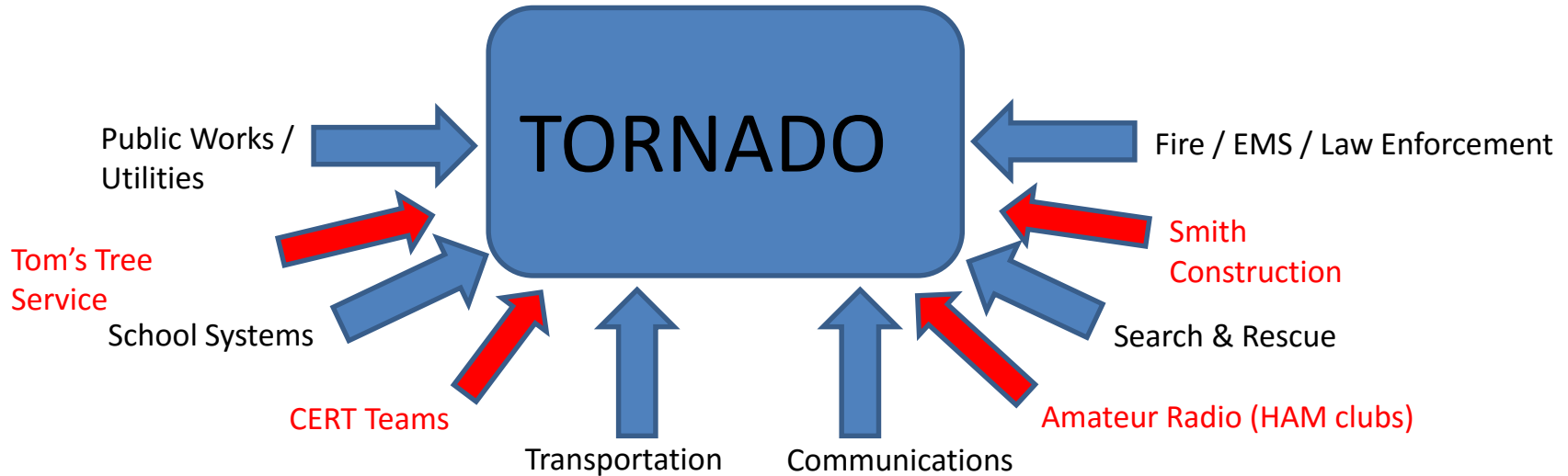
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# Building the THIRA “Your Top Threat / Hazard”

## Step #2 - Decide on Mission Area Response

Step #3 - Pick Core Capability(s) from the National Preparedness Goal Reference Sheet

### Critical Transportation







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**We Have A Plan!**

**Next Step:**

Let's exercise the plan utilizing  
Homeland Security Exercise and  
Evaluation Program

**“HSEEP”**





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# HSEEP Overview

HSEEP doctrine consists of an integrated set of core principles that frame a common approach to exercises

HSEEP Principles:

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





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# HSEEP Cycle



Establishing multi-year exercise program priorities and developing a multi-year TEP are key pieces of Exercise Program Management within the HSEEP methodology





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# Design and Development



- Your exercise should be based upon one of the threats/hazards identified in your THIRA
- Formulate a realistic, worse-case scenario for your jurisdiction
- Design the exercise around the core capabilities for each response agency you want to test





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# Design and Development

- Develop a Situation Manual (SITMAN) to guide the exercise
- You may also include injects



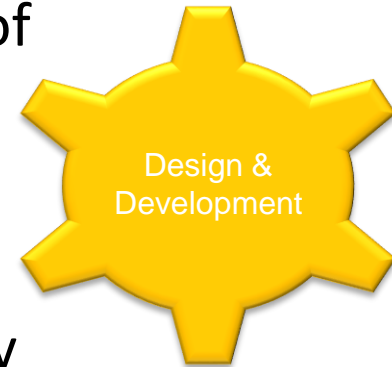


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# Capabilities-Based Planning Overview

The National Preparedness Goal identifies a series of core capabilities across the prevention, protection, mitigation, response, and recovery mission areas

Through HSEEP, organizations can use exercises as a way to examine current and required core capability levels and identify gaps. Exercises focus on assessing performance against capability-based objectives





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# HSEEP AAR and Improvement Plan



- Conduct an After Action Review following the exercise
- Produce a gap analysis based on lessons learned in AAR
- Develop an improvement plan based on lessons learned and gap analysis
- Next step will be your Training and Exercise Plan (TEP)





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# TEP

Multi Year – Multi Agency  
Training and Exercise Plan





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## TEPW Purpose



Identify Factors  
for  
Consideration

Link Factors to  
Core  
Capabilities

Establish  
Exercise  
Program  
Priorities

Develop a  
Multi-year  
Schedule

The purpose of the TEPW is 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



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# Activity 1



- Factors for consideration are the key elements that influence the selection of exercise program priorities
- The list of factors is intended to help organizations consider the full range of factors impacting their exercise and preparedness programs



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# Activity 1 – Task Overview



During this activity, we will focus on the identifying the following:

Task 1.1:

**Threats and Hazards**

- National threats and hazards
- Jurisdictional threats and hazards
- Hazard vulnerability analysis

Task 1.2:

**Areas for Improvement/ Capabilities**

- Real-world incident corrective actions
- Exercise corrective actions
- Identified and/or perceived areas for improvement

Task 1.3:

**External Sources Requirements**

- Industry reports
- State or national preparedness reports
- Homeland security strategies

Task 1.4:

**Accreditation Standards/ Regulations**

- Accreditation standards and/or requirements
- Grants or funding-specific requirements
- Occupational Safety and Health Administration regulations



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## TEPW Activities



### **Task 1.1.1: Identifying Threats and Hazards**

- I. Develop a list of community-specific threats/hazards

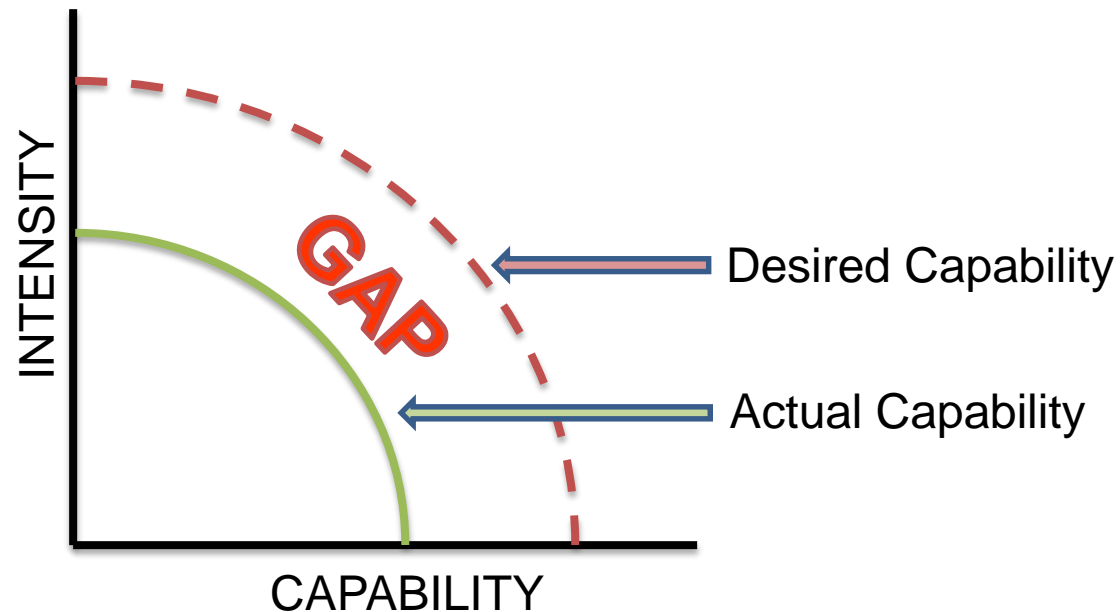


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# TEPW Activities



## Task 1.1.3: Identifying Threats and Hazards





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## TEPW Activities



### Task 1.1.4: Identifying Threats and Hazards

- IV. Apply the results
  - A. Create a list of resources needed to successfully manage risk
  - B. Consider activities that will reduce the need for extra resources in the future



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# TEPW Activities



## Task 1.2: Identify Areas for Improvement

**Objective:** Identify any significant strengths and areas for improvement

Consider:

Strengths to be shared with other organizations

Exercise and real-world event corrective actions

Identified and/or perceived areas for improvement

**Instructions:**

1. Locate the other members of your organization
2. As a group, develop a list of your organization's top strengths and areas for improvement
3. Record these strengths/areas for improvement
4. Choose a group member to brief the findings



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# TEPW Activities



**Activity 2: Link Factors to Core Capabilities**

**Activity 3: Establish Exercise Program Priorities**

**Activity 4: Develop a Multi-year Schedule**

**Task 4.1: Identify potential exercises**

**Task 4.2: Identify potential training**

**Task 4.3: Update/build a multi-year schedule**





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# TEPW Activities

## Activity 2



The National Preparedness Goal outlines district core capabilities across five preparedness mission areas

Organizations can use exercises as a way to examine current and required core capability levels and identify gaps

Linking the factors identified in Activity 1 to core capabilities will help identify the areas most in need of attention



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# TEPW Activities



## Activity 3



Exercise program priorities are the strategic, high-level priorities that guide the overall exercise program

These priorities inform the development of exercise objectives, ensuring individual exercises evaluate and assess core capabilities in a coordinated and integrated fashion



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# TEPW Activities



## Activity 4



The multi-year schedule outlines the exercises and associated training events that will address the exercise program priorities

The multi-year schedule should reflect a progressive approach:

- Exercises are aligned to a common set of exercise program priorities
- Exercises increase in complexity over time

Exercises should be supported at each step with training resources



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## TEPW Activities



# Activity 4 Tasks Overview

During this activity, we will focus on the following tasks:

Task 4.1: Identify Potential Exercises

Task 4.2: Identify Training

Task 4.3: Update/Build the Multi-year Schedule



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## **TEPW Next Steps**



**Develop and Distribute TEPW Summary locally**

**Develop Multi-year TEP**

**Forward your TEPW Summary Notes to KYEM through  
KYEM Area Office**

**Forward (if available) your Regional Multi-Year TEP to  
KYEM through your Area Office**



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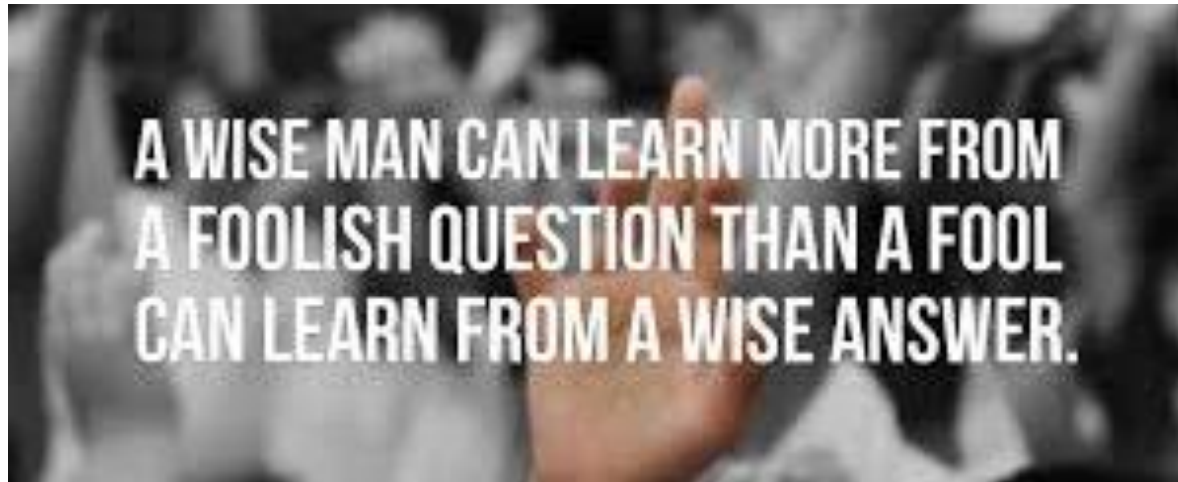


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# The PLAN

## Questions / Comments



## Acronyms

AAR	After-Action Report
ESF	Emergency Support Function
HSEEP	Homeland Security Exercise and Evaluation Program
KyEM	KY Division of Emergency Management
OSHA	Occupational Safety and Health Administration
SITMAN	Situation Manual
SOG	Standard Operating Guideline
SOP	Standard Operating Procedure
TEP	Training and Exercise Program
TEPW	Training and Exercise Program Workshop
THIRA	Threat/Hazard Identification and Risk Assessment