

# **Threat and Hazard Identification Risk Assessment (THIRA) and the State Preparedness Report (SPR)**

**June 1, 2016**

**Kentucky Office of Homeland Security  
Kentucky Division of Emergency Management**

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# Working Together

- We are **ALL** part of the state THIRA (state, city, county)
- Local **PARTICIPATION** is crucial
- KOHS and KYEM are **FACILITATORS** for the THIRA

# What Does It Do?

Provides jurisdiction of any size the template needed to develop a THIRA of their own.

- Scalable
- Whole Community Approach
- Once completed, document is easy to update

# The State Approach



1. What could happen in my community?
2. Describe how a threat or hazard could happen in my community, and when and where it could happen.
3. How would each threat or hazard affect the core capabilities identified in the National Preparedness Goal?
4. Using the information above, set the level of capability a community needs to prevent, protect against, mitigate, respond to, and recover from its risks.
5. Use the capability targets to decide how to use resources from the whole community

# Possible Kentucky Threats

Natural	Technological	Human-caused
Resulting from acts of nature	Involves accidents or the failures of systems and structures	Caused by the intentional actions of an adversary
<ul style="list-style-type: none"><li>▪ Disease outbreak</li><li>▪ Drought</li><li>▪ Earthquake</li><li>▪ Epidemic</li><li>▪ Flood</li><li>▪ Hurricane</li><li>▪ Landslide</li><li>▪ Tornado</li><li>▪ Wildfire</li><li>▪ Winter storm</li></ul>	<ul style="list-style-type: none"><li>▪ Airplane crash</li><li>▪ Dam/Levee failure</li><li>▪ Hazardous materials</li><li>▪ Power failure</li><li>▪ Radiological release</li><li>▪ Train derailment</li><li>▪ Urban conflagration</li></ul>	<ul style="list-style-type: none"><li>▪ Civil disturbance</li><li>▪ Cyber incidents</li><li>▪ Sabotage</li><li>▪ School violence</li><li>▪ Terrorist acts</li></ul>

# 2015 THIRA Threats

- Earthquake
- Multiple storm event
- Release of chemical agent
- Cyber attack on electrical grid

## 2016

**Information provided by local THIRAs will be used to develop threats and hazards for the 2016 product.**



***Adaptable to the needs and resources of any jurisdiction***

1. Identify the threats and hazards of concern - *What could happen in my community?*
2. **Give the threats and hazards context** - *Describe how a threat or hazard could happen in my community, and when and where it could happen.*
3. Examine the core capabilities using the threats and hazards - *How would each threat or hazard affect the core capabilities identified in the National Preparedness Goal?*
4. **Set capability targets** - *Using the information above, set the level of capability a community needs to prevent, protect against, mitigate, respond to, and recover from its risks.*
5. **Apply the results** - *Use the capability targets to decide how to use resources from the Whole Community.*

# Step Two: Details

- When might a threat or hazard occur?
  - What time of day?
  - What season?
- Where might the threat or hazard occur?
  - Populated areas?
  - Industrial or residential areas?
- Put these into descriptive statements
  - Ex: “An EF3 tornado strikes the business district on a Saturday afternoon in the Spring.”





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# Step 3: Core Capabilities

Prevention	Protection	Mitigation	Response	Recovery
Forensics and Attribution	Access Control and Identity Verification	Planning	Critical Transportation	Economic Recovery
Intelligence and Information Sharing	Cybersecurity	Public Information and Warning	Environmental Response, Health and Safety	Health and Social Services
Interdiction and Disruption	Intelligence and Information Sharing	Operational Coordination	Fatality Management Services	Housing
Screening, Search, and Detection	Interdiction and Disruption	Community Resilience	Infrastructure Services	Infrastructure Systems
	Physical Protective Measures	Risk and Disaster Resilience Assessment	Mass Search and Rescue Operations	Natural and Cultural Resources
	Risk Management	Threats and Hazard Identification	On-scene Security and Protection	
	Screening , Search, and Detections		Operational Communications	
	Supply Chain Integrity and Security		Public and Private Services and Resources	
			Public Health and Medical Sources	
			Situational Assessment	



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# Step 4: Set Capabilities Targets

***This is where we really need your help!***

- Examine the various possible threats/hazards, and determine the level of capability a community needs to prevent, protect against, mitigate, respond to, and recover from its risks.
- What would that community need in order to efficiently prevent or handle that threat/hazard?



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# Step 5: Apply the Results

- In what ways are we prepared for these events in the various Core Capability Areas?
- What is our level of preparedness?
  - Are our capabilities where they should be?
  - Are we prepared enough on all core capabilities, or do some areas need work more than others?
  - What do we need to do to improve?
- Use this assessment to establish goals for the state

# Questions?

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