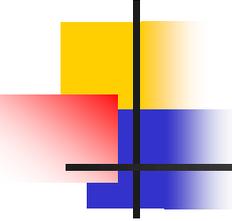


Minnesota Port and Waterway Security Working Group

Meeting

April 12, 2012





Welcome



Director Kris Eide,
MN Homeland Security and Emergency
Management



Purpose:



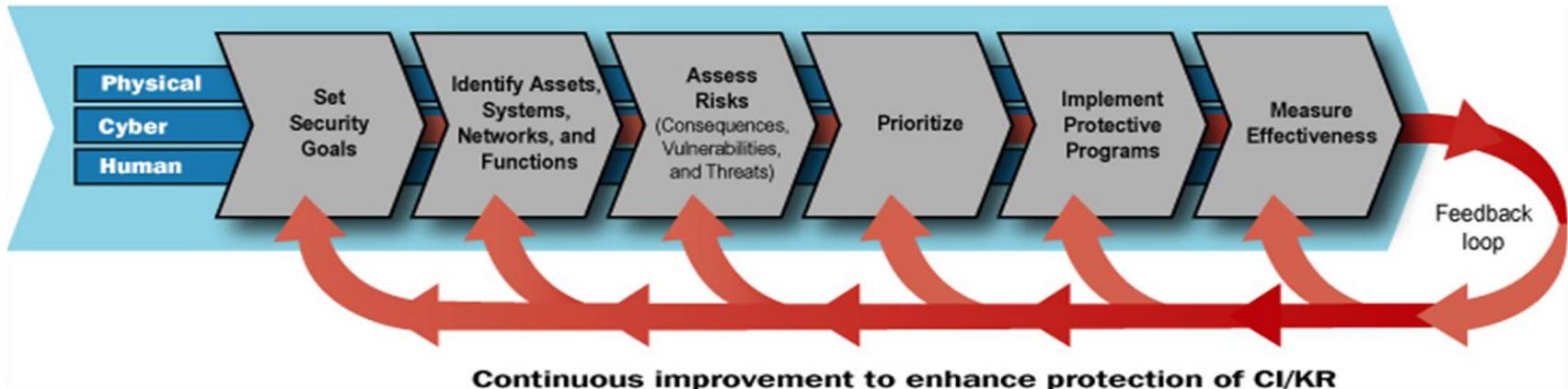
- Identify, catalog, assess and prioritize statewide critical infrastructure/key resources located in and along our ports and on and along our waterways
- Enhance our awareness of statewide waterway security

Risk Management Framework



The NIPP describes the processes to:

- Set Security Goals
- Identify Assets, Systems, Networks, and Functions
- Assess Risk (Consequences, Vulnerabilities, and Threats)
- Prioritize
- Implement Protective Programs
- Measure Effectiveness



THIRA Concept Development



Homeland
Security



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Threat and Hazard Identification and Risk Assessment



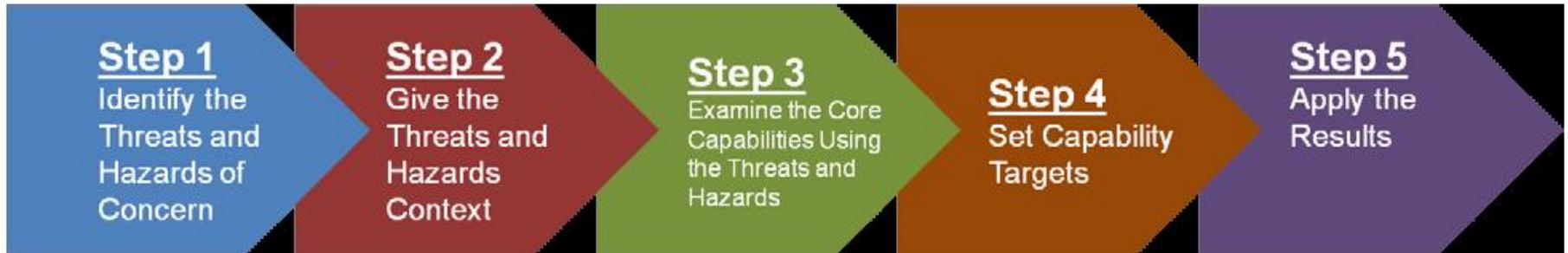
- What it is
- What it does
- Who is involved?
- When is it due?
- What are the components?
- Now what?
- Comprehensive Preparedness Guide 201

Comprehensive Preparedness Guide 201



- Released Apr 2012
- Consisted of the CPG 201 and the CPG 201 toolkit
- Give jurisdiction of any size the template needed to develop a THIRA of their own
 - Scalable
 - Whole Community Approach
 - Once heavy lift complete, document is easy to update / revise

These five steps are adaptable to the needs and resources of any jurisdiction



The THIRA process consists of five basic steps:

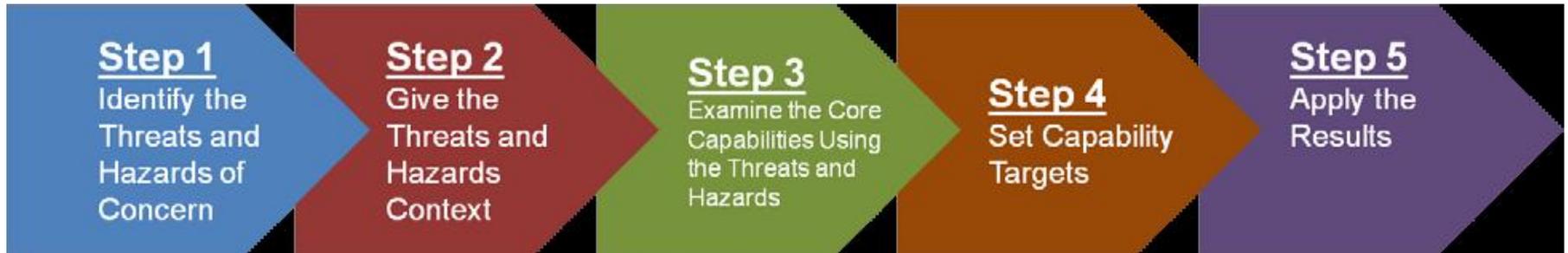
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Toolkit – Your Roadmap



- CPG 201 Toolkit – [Click here](#)
 - Step-by-step 'how to' guide to writing your own THIRA
 - Also contains 11 pages of resource tabs to help research efforts
 - Templates for the 'Context' and 'Examine Core Capabilities' sections of the final document

These five steps are adaptable to the needs and resources of any jurisdiction

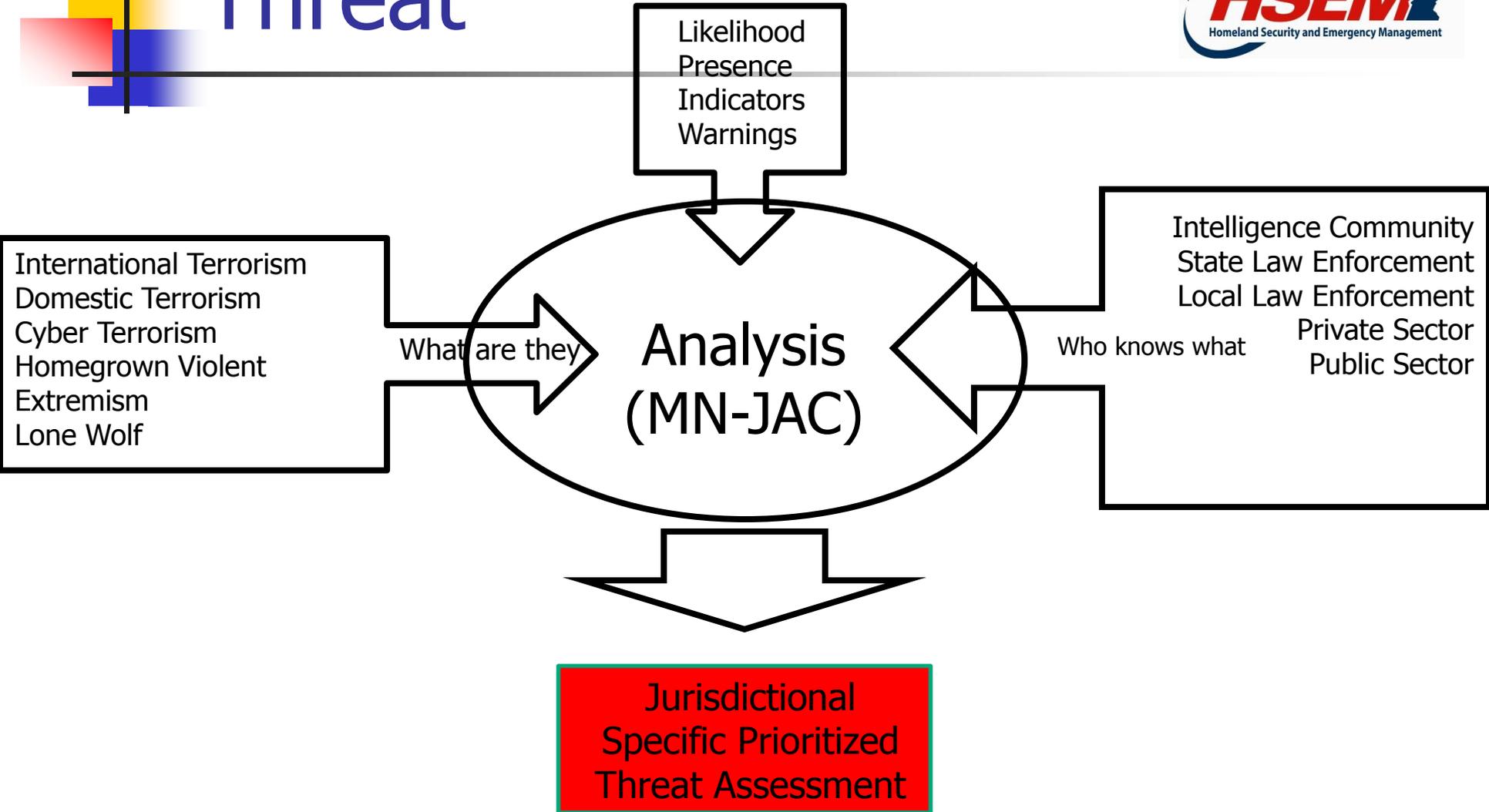


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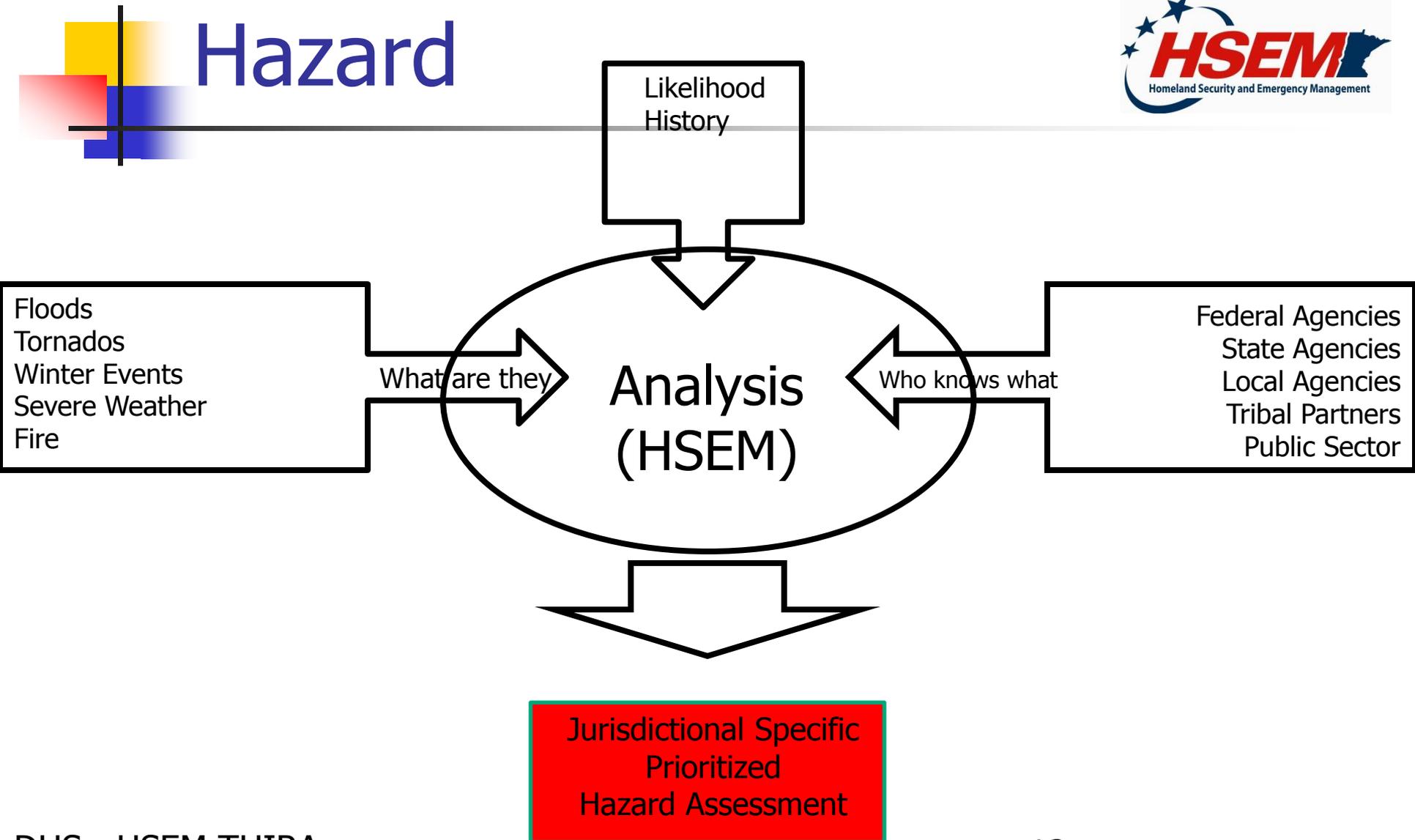
HSEM Example

Threat



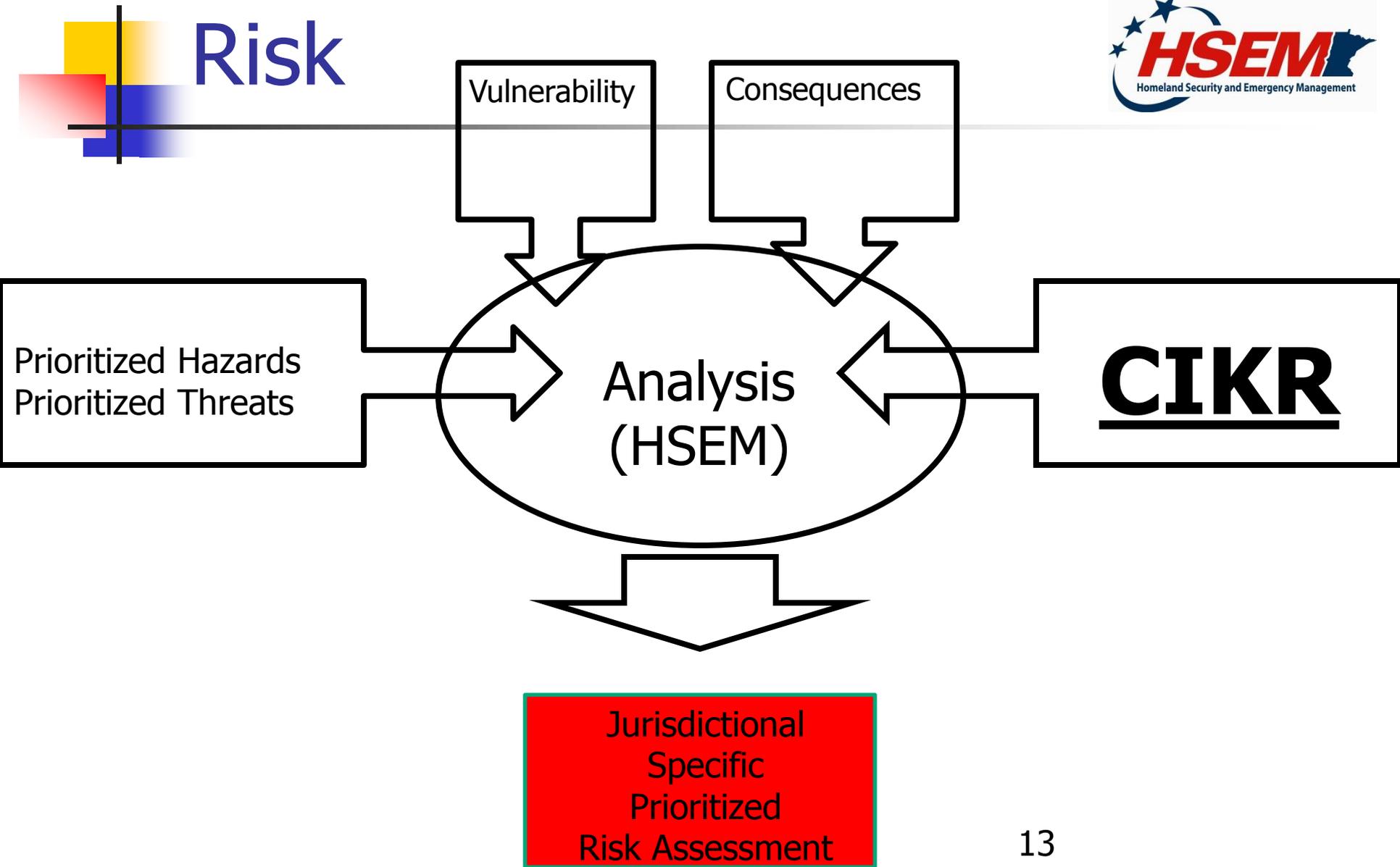
HSEM Example

Hazard



HSEM Example

Risk



Minnesota State Hazard/Threat Identification and Risk Assessment

Table 1: Modified Calculated Priority Risk Index

0.45 Probability	0.3 Magnitude / Severity	0.15 Warning Time	0.1 Duration
4 - Highly Likely <input type="checkbox"/> Event is probable within the calendar year. <input type="checkbox"/> Event has up to 1 in 1 year chance of occurring (1/1 = 100%) <input type="checkbox"/> Chance of event is greater than 33% likely per year. <input type="checkbox"/> Event is "highly likely" to occur	4 – Catastrophic <input type="checkbox"/> Local jurisdiction is overwhelmed and unable to effectively respond to the hazard. Local resources are inadequate or non-existent. Complete loss of communications. Massive regional, state, EMAC and federal response is required. Federal disaster declaration. <input type="checkbox"/> Local and regional medical services are unable to manage the volume of injuries and fatalities. Mass evacuation, sheltering, and care of displaced residents, medical patients, high risk and vulnerable populations are required. <input type="checkbox"/> Loss of public utilities, government and essential services for more than 1 month. Widespread destruction of critical infrastructure, public and private property. More than 50% of critical and non-critical facilities and infrastructure damaged or destroyed. Extended emergency response operations lasting more than 1 month may be required.	4 – Minimal <input type="checkbox"/> No-notice up to 6 Hours	4 – Prolonged <input type="checkbox"/> More Than 1 Week
3 – Likely <input type="checkbox"/> Event is probable within the next three years. <input type="checkbox"/> Event has up to 1 in 3 years chance of occurring (1/3 = 33%) <input type="checkbox"/> Chance of event is greater than 20% but less than or equal to 33% per year. <input type="checkbox"/> Event is "likely" to occur.	3 – Critical <input type="checkbox"/> Local jurisdiction is unable to effectively respond without District-level mutual aid support and significant state assistance. Local resources have been expended and local agencies have reached the limits of their capabilities. Communications seriously degraded with significant impact on operations. State disaster declaration. <input type="checkbox"/> Local medical services are unable to manage number of injuries and fatalities. Patients require transportation to regional medical facilities outside of the affected areas. Local area evacuations, sheltering, and care of displaced residents, medical patients, high risk and vulnerable populations are required. <input type="checkbox"/> Loss of public utilities, government and essential services for up to 1 month. Significant damage to critical infrastructure, public and private property over a large area. Up to 50% of critical and non-critical facilities and infrastructure damaged. Emergency response operations lasting up to 1 month may be required.	3 – Marginal <input type="checkbox"/> 6 to 12 Hours	3 – Extended <input type="checkbox"/> Up to 1 Week
2 – Possible <input type="checkbox"/> Event is probable within the next five years. <input type="checkbox"/> Event has up to 1 in 5 year chance of occurring (1/5 = 20%). <input type="checkbox"/> Chance of event is greater than 10% but less than or equal to 20% per year. <input type="checkbox"/> Event could "possibly" occur.	2 – Moderate <input type="checkbox"/> Local jurisdiction is able to effectively respond with significant inter-local mutual aid support and limited state assistance. Local and mutual aid resources are adequate to support response. Communications systems operating near capacity. Local medical services are able to manage volume of injuries and fatalities but are near the limits of their capabilities. Only critically injured patients are diverted to facilities outside of the affected areas. Limited evacuations and sheltering required. <input type="checkbox"/> Loss of public utilities, government and essential services for up to 1 week. Significant damage to critical infrastructure, public and private property over a localized area. Up to 25% of critical and non-critical facilities and infrastructure damaged. Response operations lasting up to 1 week may be required.	2 – Limited <input type="checkbox"/> 12-24 Hours	2 –Intermediate <input type="checkbox"/> Up to 1 Day
1 – Unlikely <input type="checkbox"/> Event is probable within the next 10 years. <input type="checkbox"/> Event has an up to 1 to 10 years chance of occurring (1/10 = 10%). <input type="checkbox"/> Chance of event occurrence is less than or equal to 10% <input type="checkbox"/> Event is "unlikely" to occur.	1 - Negligible <input type="checkbox"/> Local jurisdiction is able to manage incident with standard mutual aid and little or no state assistance. Local resources are adequate to support response. Communications system operating normally. Local emergency. <input type="checkbox"/> Local medical services are able to manage number of injuries and fatalities with on hand personnel and resources. <input type="checkbox"/> Loss of public utilities, government and essential services for up to 24 hours. Damage contained to a single incident scene and immediate area. Up to 5% of critical and non-critical facilities and infrastructure damaged. <input type="checkbox"/> Response operations lasting up to 72 hours may be required.	1 – Optimal <input type="checkbox"/> 24+ Hours	1 – Brief <input type="checkbox"/> Up to 6 Hours

These five steps are adaptable to the needs and resources of any jurisdiction



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Step Two – Give Them Context



- 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?
- Description statements (Table 1, CPG 201)
 - Ex. "An EF3 tornado strikes the business district on a Saturday afternoon in the Spring"

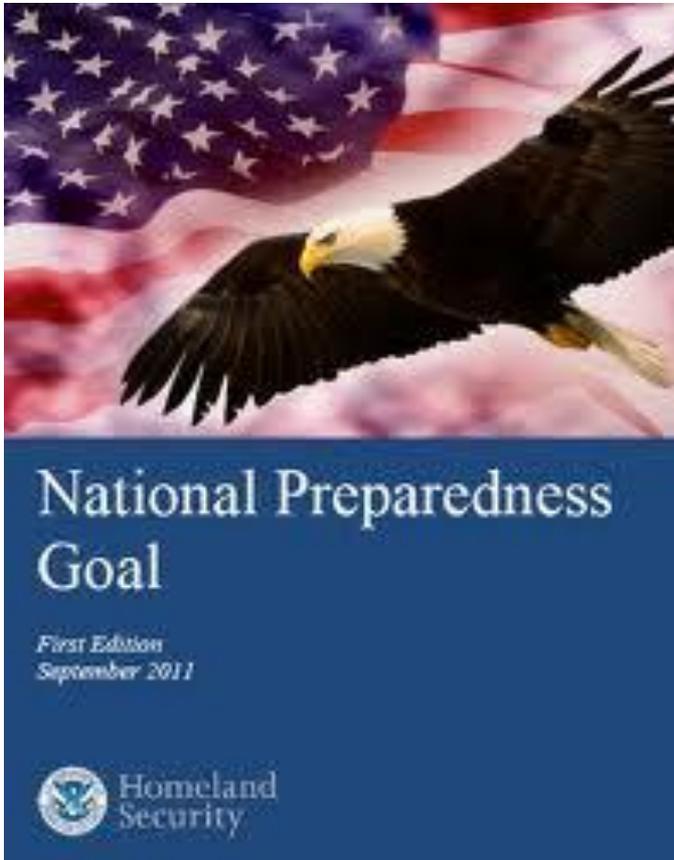
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NPG contains the 31 Core Capabilities



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Security

31 Core Capabilities



CPG 201: Threat and Hazard Identification and Risk Assessment Guide

Table 1: Core Capabilities by Mission Area¹

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

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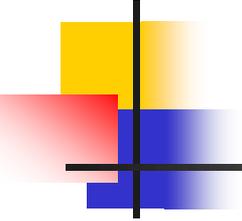
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THIRA Validation



- THIRAs 'should' be developed to align w/ CPG 201
- To ensure Regional THIRAS are consistent, each THIRA will be evaluated by these 5 questions
 - Did the jurisdictions provide...
 1. ... description statements of the threats & hazards of concern?
 2. ... outcome statements for all 31 NPG Core Capabilities?
 3. ... estimated impacts for all threats and hazards of concern in relation to the 31 Core Capabilities?
 4. ... capability targets for all 31 Core Capabilities?
 5. ... an affirmation that their submittal is in compliance w/ CPG 201?

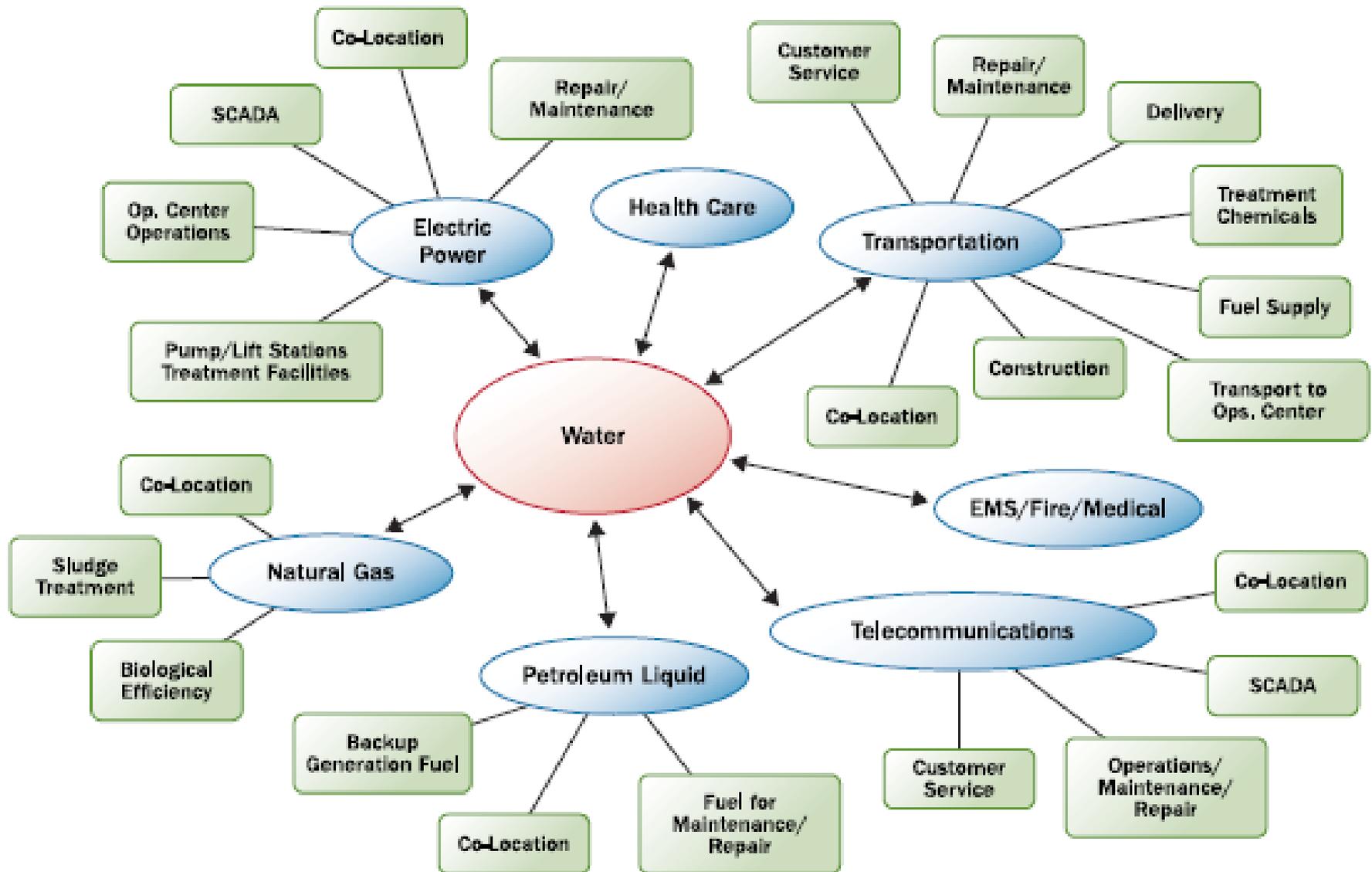


Lifeline Sectors



- Energy
- Water
- Communications
- Transportation
- Emergency Services

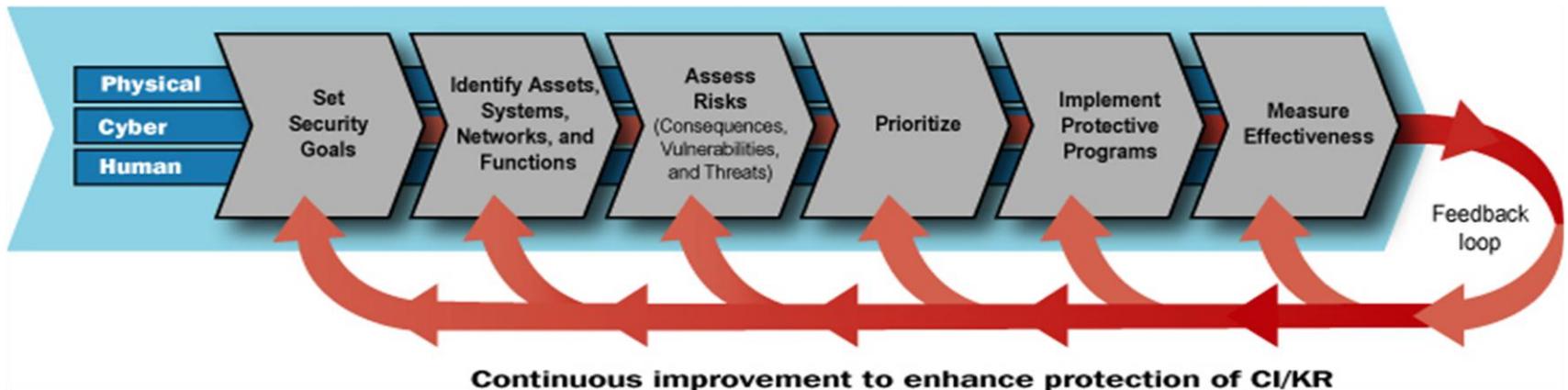
Lifeline Sector Awareness – Where do we fit?

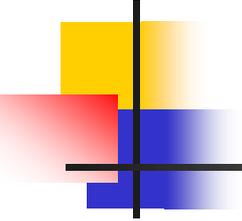


Time to take the next step!

The NIPP describes the processes to:

- Set Security Goals
- Identify Assets, Systems, Networks, and Functions
- Assess Risk (Consequences, Vulnerabilities, and Threats)
- Prioritize
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- Measure Effectiveness





Assessment Process



- One or two day workshops available
 - Tailored to your needs
 - Lifeline Sector Awareness (4 hours)
 - Risk Assessment Methodology (4 hours)
 - Risk Assessment Team Building (4 hours)
 - THIRA Concept Development (4 hours)
 - Risk Assessment Field Work – (8 hours)

- DHS / HSEM Combined Effort

CIKR Asset Protection Technical Assistance Program (CAPTAP)

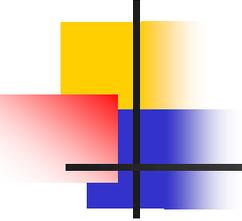


- When: May 1-4, 2012
- Where: Kandiyohi County Rescue Squad Building

Contact Grant Hosmer or Gary Lokken if you have any questions about this class.

grant.hosmer@state.mn.us

gary.lokken@state.mn.us



Assignments:

Cassie



- Determine CI in your area waterways
- What CI areas need assessment?
- Enter CI into ACAMs

Questions
Comments
Concerns



Next Meeting: July 12th, 2012

if you
SEE
something
SAY
something™

If you See something Say something™ used with permission of the NY Metropolitan Transportation Authority.

Report suspicious activity
call **911**



Did you **SEE** something
you thought
was suspicious?

Then **SAY** something
to local authorities.





Thank you!