getting it right!

Analyzing Risks + Threats + Hazards + Capabilities

Workshop
WELCOME
+
Introductions
Risk Assessment: Overview

Risk Survey SAMPLE Questionnaire

- Utilize “whole community” partners . . . everyone here today.


- 2013 grant funding is dependent on submission of the Risk Survey.
AGENDA

Threat + Hazard Identification + Risk Assessment (THIRA) – *State Preparedness Report (SPR)*

- Information gathered from the Parish-level *Risk Survey* (questionnaire) is used to **develop** the State’s THIRA and SPR.

**BREAK** (15 min)
Capabilities Estimation identifies:

• Required capabilities/resources **needed** to respond + recover from various emergency events.

• Capabilities/resources **on hand** within the Parish, Region or State.

• Capabilities/resources **gaps** within the Parish, Region or State.
AGENDA

What Value Do These Products Bring to Your Parish?

• Implementing the outcome of these efforts, will enhance our State’s response + recovery efforts.

LUNCH (1 ½ hours)
AGENDA

Practical Exercise

• Core Capability Resource Requirements.
• Class will break out into 5 Groups.
• All workshop participants are welcome to attend.

Report Out from Teams

Wrap Up + Call-to-Action
WHAT IS A THREAT?

---

Risk Assessment
SAMPLE Questionnaire

Overview + Purpose

INTRODUCTION
Risk is a function of consequence, vulnerability, and threat. This section is to share information on risk elements, the sources of risk and prevention/mitigation of such events.

WHAT IS A THREAT?

WHAT IS A HAZARD?

---
ANALYZING
risks + threats + hazards + capabilities
WORKBOOK

Prepare + Prevent + Respond + Recover + Mitigate

Executive Summary

PURPOSE
The elements of Risk Assessments and analysis of the data in this survey indicate the amount of risk, and to make the posted relative prioritizations, common definitions, scenarios, assumptions, metrics and processes are needed to ensure that risk assessments contribute to a shared understanding among all parties. This briefing guide is meant to explain the task, analyze and summarize of DHS Risk Assessment and FEMA’s THIRA to that both the Louisiana Risk Survey and THIRA can be better understood. Louisiana Risk Survey is a WebEX™ based survey that offers objective and subjective risk information along with State Preparedness Report (SPR) and National Incident Management System (NIMS) data.

RISK
Risk is assessed from any scenario as a function of consequence, vulnerability and threat: R = (SxTxCxV)
In other words, risk is influenced by the nature and magnitude of overall threat (man made, technological and hazards), the vulnerabilities to any element of threat and the consequences that could result. It is defined as the potential for an unwanted outcome resulting from an incident, event or occurrence, as determined by its likelihood, vulnerabilities involved and the associated consequences.

LOUISIANA RISK FORMULA + DHS FORMULA
The Louisiana Risk formula mirrors the DHS formula. Both define total risk as a functional relationship and percentage of threat, vulnerability and consequence:

- Threat data is derived from historical data, suspicious activity reports and official use information.
- Vulnerability data is weighted equally from targeted infrastructure sectors/subsectors as determined from current intelligence and an international index that compares

Executing "getting it right!"
2013 Louisiana Risk Survey

Parish Population:
Parish Size - # of Square Miles:
Number of Annual Visitors:
Prepare + Prevent + Respond + Recover + Mitigate
<table>
<thead>
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<th>CAPABILITY: Operational Communications</th>
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| STATE PREPAREDNESS REPORT (SPR) TOTALS (1-6) |

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<tr>
<th>TARGET</th>
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1. Which workshop location did you attend?
Risk Assessment
Prepare + Prevent + Respond + Recover + Mitigate

Analyzing risks + threats + hazards + capabilities

Executive Summary

Purpose
The elements of risk assessments and analysis of the data have been derived from the amount of recent reports, key factors, and capabilities. To assess the risk and to make the right decisions, common definitions of risk, assumptions, metrics, and processes need to be ensured. This briefing guide is meant to explain the risk assessment requirements in pre-disaster and post-disaster management. In order to explain the risk assessment requirements and the methodology used to ensure that both the Louisiana Risk Survey and THIRA can be better understood, a Louisiana Risk Survey is a WebEOC®-based survey that gathers objective and subjective risk information along with State Preparedness Report (SPR) and National Incident Management System (NIMS) data.

Risk
Risk is assessed from any scenario as a function of consequence, vulnerability and threat (R = F x C x T). In other words, risk is influenced by the nature and magnitude of overall threat (man-made, technological and hazards), the vulnerabilities to any element of threat and the consequences that could result. It is defined as the potential for an unwanted outcome resulting from an incident, event or occurrence, as determined by its likelihood, vulnerabilities involved and the associated consequence.

Louisiana Risk Formula + DHS Formula
The Louisiana Risk Formula mirrors the DHS formula. Both define total risk as a functional relationship and percentages of threat, vulnerability and consequence. The Louisiana Risk Formula calculates the total risk as follows:

Risk = Threat x Vulnerability x Consequence

P = Probability
V = Vulnerability
C = Consequence

Louisiana Risk Formula + DHS Formula

Risk Assessment

2013 Louisiana Risk Survey

Overview + Purpose

The following is a sampling of the Louisiana Risk Survey questions that will inform the development of the 2013 Louisiana Risk Assessment. There will be some additions and changes before publication, August 2013.
• Risk elements.
• Define risk as a function of consequence + vulnerability + threat.
• Information on sources and how statistical analysis affects grants.
Threat + Hazard Identification + Risk Assessment (THIRA)

**THREAT**
- Man-made: intentional or accidental:
  - Terrorism
  - Criminal
  - Hazardous material accident
  - Wild land fire . . .

**HAZARD**
- Natural occurrence:
  - Storms
  - Floods
  - Etc. . . .

**RISK**
- Threat
- Vulnerability
- Consequence
• Based on the analysis of:
  – WebEOC® *Risk Survey* (questionnaire)
  – *State Hazard Mitigation Plan (SHMP)*
  – *Historical* data on threats + hazards

• Evidence shows which disasters are *prevalent* + which *terrorist threats* could *impact* the Region.
Critical Infrastructure + Key Resources (CIKR) Risk Assessments

- *National Infrastructure Protection Plan* (NIPP) framework assesses risk as a function of consequence + vulnerability + threat:

\[ R = f (C, V, T) \]
CIKR Risk Consequence

• Consequence Assessment:
  – **Human** impact.
  – **Economic** impact.
  – Impact on **public confidence**.
  – Impact on **government capability**.

\[ R = f (C, V, T) \]
CIKR Risk Vulnerability

- **Vulnerability assessment** identifies:
  - **Characteristics** or **areas of weakness** that render an entity or area **susceptible** to attacks resulting in **consequences** of concern.
  - **Floods are the highest risk for Louisianians.**
    (SOURCE: 2012 Louisiana Risk Assessment)

\[ R = f(C, V, T) \]
CIKR Risk Threat

• Threat Assessment:
  – Natural disaster or accident – probability of occurrence.
  – Terrorist attack – analysis of intent + capability of a defined adversary.

\[ R = f (C, V, T) \]
**CIKR Risk Threat**

- **Threat Assessment:**
  - Differs from “threat scenarios,” or “threat analysis,” that are **generalized descriptions** of potential methods of attack used to perform Consequence and Vulnerability Assessments.
Sources

• Threat Assessment areas of consideration:

- Natural disasters + accidents.
- Terrorist types: Domestic + international + insider.
- Attack method most frequently used overtly by terrorists: Physical + cyber + sabotage.
Threat

- Threat Index considers known + credible threats to facilities:
  - Extremist plots
  - Casings
  - Threats
  - Aspirations
Threat

- **Threat Index** considers **terrorist groups + individuals inspired by them + other domestic violent extremists.**

- **Natural Hazards** consider **historical incidents to establish likelihood.**
Vulnerability

• **Targeted Infrastructure Index**
  – A subset of the CIKR count that represents **assets/systems** within **sectors** that are deemed ones terrorists are more likely to attack, including:

<table>
<thead>
<tr>
<th>Aviation</th>
<th>Commuter rail</th>
<th>Large public facilities + venues</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mass transit</td>
<td>Oil + natural gas facilities (refineries, storage facilities, tankers, and pipelines)</td>
<td>(hotels, resorts, stadiums and arenas, and large office buildings)</td>
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Prepare + Prevent + Respond + Recover + Mitigate

Vulnerability

• **State Targeted Infrastructure Index**
  – Public health issues *(hospital, medical, biological, technical).*
  – Agricultural industry + food production.
Prepare + Prevent + Respond + Recover + Mitigate

Vulnerability

• **Border Index**
  – Jurisdictions that **border the Gulf of Mexico** (International Water).
  – Annual number of border crossings into the Parish/State – Customs and Border Protection (CBP).
Consequence

- **Population Index**
  - The total “P”opulation (Census population + visitors + commuters) for each Census block group in the State, multiplied by the “p”opulation density, aggregated to the State level.

\[
\text{Density} = \frac{\text{POPULATION}}{\text{Area in Square Miles}}
\]
Consequence

• “P”opulation Index – “p”opulation – Represents the resident (night-time) “p”opulation based on 2010 Census Bureau data.

• “P”opulation Index – Visitors + Commuters – Calculated as the number of net visitors + commuters into each Parish.
Consequence

• **Economic Index**
  – Annual estimate of Parish **Gross Domestic Product (GDP)**.

• **Infrastructure Index**
  – **Count of CIKR assets/systems** in the Parish on the State list + **Automated Critical Asset Management System (ACAMS)**.
Consequence

• **Security Index**
  - Number of U.S. military personnel **stationed** at installations in the Parish including:
    - Active duty
    - Reserve
    - Guard troops
    - Civilian personnel
    - Full-time contractors
Consequence

• Security Index
  – All Defense Industrial Base (DIB) facilities (i.e., critical civilian companies that support the military mission) located in the Parish.
You need to know:

- **Risk Survey** (questionnaire) is up on WebEOC® **NOW!**
  - Parish OHSEP Director MUST complete it by **September 30, 2013**.
    - It’s everybody’s responsibility to help them complete it by providing needed information.

- Your participation ensures:
  - **YOUR continued grant eligibility** AND . . .
  - A stronger, safer Louisiana.
• When completing the *Risk Survey*, reach out to:
  – “Whole community” partners such as . . .
    - Chambers of Commerce
    - Tourism Office
    - Economic Development Office
    - Planning Commissions
    - Law Enforcement
    - Healthcare Community
    - School Boards/Schools
    - Private Industry
    - And MORE!
GOHSEP
225-925-7500

Buren (Ric) Moore
225-925-3674 office
225-936-0404 cell
buren.moore@la.gov
Prepare + Prevent + Respond + Recover + Mitigate

Threat + Hazard Identification + Risk Assessment (THIRA) - State Preparedness Report (SPR)
Threats + Hazards Identification + Risk Assessment (THIRA)

• Comprehensive approach for identifying risks + associated impacts . . .
  – 31 Core Capabilities defined in the National Preparedness Goal.

• State Preparedness Report (SPR) assesses current preparedness levels against Capability Targets set in the THIRA.
“... methodologies exist to understand, qualify and quantify risk.

These methodologies most often focus on a single threat or hazard type and a small area or fixed facility assessment to geographic areas as large as cities and states and the full spectrum of threats and hazards.

The specificity gained by complex probabilistic modeling and analysis is lost when trying to apply the results across complex landscape of prevention, protection, mitigation, response and recover...”
In other words:

\[ \int_{-\infty}^{\infty} e^{-x^2} \, dx = \sqrt{\pi} \]

\[ f(x) = a_0 + \sum_{n=1}^{\infty} \left( a_n \cos \frac{n\pi x}{L} + b_n \sin \frac{n\pi x}{L} \right) \]

\[ \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \]
1 + 1 = 2
THIRA

• **What is it?**
• **What does it do?**
• **How can I use it?**
S-Step Process

SOURCE: FEMA Comprehensive Planning Guide 201
Components

1. Threats + Hazards
2. Give Threats + Hazards **Context**
3. Core Capabilities + Desired Outcomes
4. Estimated **Impacts** + Capability **Targets**
5. **Apply** Results

**STEP 1**
IDENTIFY Threats + Hazards of Concern

**STEP 2**
Give Threats + Hazards CONTEXT

**STEP 3**
EXAMINE the Core Capabilities Using Threats + Hazards

**STEP 4**
SET Capability Targets

**STEP 5**
APPLY the Results
Threats + Hazards

• **Identification + Determination**
  – WebEOC® *Risk Survey* (questionnaire)
  – *State Hazard Mitigation Plan* (SHMP)
  – Historical data on threats + hazards
Threats + Hazards

• Provide context.
  – Apply to real-life situations.
  – Low probability/High consequence.
## Core Capabilities

### Core Capabilities Overview

**PREVENTION**
- Forensics and Attribution
- Intelligence and Information Sharing
- Interdiction and Disruption
- Screening, Search, and Detection
- Risk Management for Protection Programs and Activities
- Supply Chain Measures
- Public Health and Medical Services

**PROTECTION**
- Access Control and Identity Verification
- Cybersecurity
- Cybersecurity
- Physical Protective Measures
- Risk and Disaster Resilience Assessment
- Threats and Hazard Identification
- Critical Transportation
- Environmental Response/Health and Safety Operations
- On-scene Security and Protection Activities
- Screening, Search, and Detection
- Supply Chain
- Integrity and Security

**MITIGATION**
- Long-term Vulnerability Reduction
- Environmental Planning
- Telecommunications

**RESPONSE**
- 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

**RECOVERY**
- Economic Recovery
- Health and Social Services
- Housing
- Infrastructure Systems
- Natural and Cultural Resources
- Environmental Response/Health and Safety Operations
- On-scene Security and Protection Activities
- Screening, Search, and Detection
- Supply Chain
- Integrity and Security

---

**STEP 3**

- Planning
- Public Information and Warning
- Operational Coordination

---

**Key Components**

- Planning
- Public Information + Warning
- Operational Coordination
Core Capabilities
Desired Outcomes

• **End state** of the Core Capability.
  – What is it you **want** to **accomplish**?
  – **Simple** or **complex**.
Desired Outcomes

Point A

Core Capabilities

Point B
Estimated Impacts

Point A

Core

Capabilities

Point B
Estimated Impacts

• What is the **greatest impact** that could **hinder** your ability to attain your **goal**?
Capability Targets + Desired Outcomes
Mass Care Services

**Greatest Estimated Impacts:** 1,500 residents needing evacuation assistance and sheltering.

**Capability Target:** Within 24 hours of an incident, provide evacuation from impacted area and provide adequate sheltering for up to 1,500 residents.
Mass Care Services

Flood

1,500 Residents Displaced

Evacuate + Shelter 1,500 Residents

1 Core Capability - Threats Hazards \times Impacts + Capability Targets

Provide life-sustaining services

\Rightarrow Desired Outcomes
THIRA

BREAKFAST

• Core Capability:
  – **Serve** breakfast to your family on Saturday morning.
  – **Desired Outcome:**
    o Provide a **wholesome + nutritious** meal.

• Threat or Hazard:
  – **No food** in the pantry.
• **Estimated Impact:**
  – Your kids go **hungry**.

• **Capability Target:**
  – *Have a plan in place to shop for groceries by Friday night.*
THIRA: Apply Results

- Building **planning scenarios**.
- Utilizing for **exercises + training + equipment**.
- Information contributes to **State Preparedness Report (SPR)**.
State Preparedness Report (SPR)

• Assesses current preparedness levels by Core Capability against Capability Targets.
State Preparedness Report (SPR)

- Quantitatively assesses preparedness levels in each of the 5 Capability Elements:
  - Planning
  - Organization
  - Equipment
  - Training
  - Exercise

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<tr>
<td>Mass Care Services</td>
<td>3</td>
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<tr>
<td>Equipment</td>
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<tr>
<td>Training</td>
<td>3</td>
</tr>
<tr>
<td>Exercise</td>
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State Preparedness Report (SPR)

• **Initial score** considers . . .
  – What **resources** you **have** within your community.

• **A second** assessment score is determined by . . .
  – What you can **borrow** through **Mutual Aid Agreements (MAAs)** that **increase** preparedness.
State Preparedness Report (SPR)

• Qualitative context is provided:
  – Specifies resources needed to eliminate capability gaps.
  – Describes MAAs.
State Preparedness Report (SPR)

• Briefly describes **degree** to which communities **rely on resources** from **higher levels** (State + Federal) of government.
State Preparedness Report (SPR)

- Assigns a priority to each Core Capability.
Your Contribution

- Parish OHSEP Director completes *Risk Survey* (questionnaire).
  - National Incident Management System (NIMS) implementation.
- Provide information for State THIRA + SPR.
Questions?
Break (15 min)
Capability Estimation
Delivering Core Capabilities
Prepare + Prevent + Respond + Recover + Mitigate

ANALYZING
risks + threats + hazards + capabilities
WORKBOOK

INTRODUCTION
The National Preparedness System is an organized process that allows the whole community to coordinate its preparedness activities to achieve the National Preparedness Goal. During the Capability Estimation phase, Capability Targets identified in the THIRA are examined and required resources necessary to accomplish the targets are identified. Using the information, plans are developed, exercised, and updated in order to support delivering the Core Capabilities.

Capability Estimation assesses what resources are needed to accomplish Capability Targets identified by the U.S. Department of Homeland Security (DHS) needed collectively by the Nation to prevent, protect against, respond to, and recover from incidents of National significance. Steps include:
• Identifying what resources are available
• Determining if current levels are acceptable or insufficient
• Capability Estimation analyzes what resources are needed to accomplish Capability Targets.
  – Identifying what resources are available.
  – Determining if current levels are acceptable or insufficient.
Prepare + Prevent + Respond + Recover + Mitigate

NATIONAL PREPAREDNESS SYSTEM

Evolution

REVIEWING + UPDATING

IDENTIFYING + ASSESSING RISKS

THIRA

VALIDATING CAPABILITIES

EXERCISES + TRAINING + SIMULATIONS

Developing + updating plans

PLANNING TO DELIVER CAPABILITIES

BUILDING + SUSTAINING CAPABILITIES

What resources are required? Available?

Reducing requirements through mitigation + protection activities

getting it right!

ANALYZING RISKS + THREATS + HAZARDS + CAPABILITIES
Resources

- Personnel + teams + facilities + equipment + supplies . . .
Resources

- Plans
- Training
- Systems
- Funding
- Ordinances
- Procedures
- Exercises
- Technologies
- Authorities
- Policies
- Strategies
- Programs
- Services
- Laws
3-Step Process
Capability Estimation

Step 1: Determine resource needs.
Step 2: Examine current resource levels.
Step 3: Compare current resource levels to needs.

Required Resources + Current Resources = Shortfalls Sufficiency Surpluses
Step 1: Determining Resource Needs

• Identify **major actions** needed to achieve Capability Target.
Step 1: Determining Resource Needs

• **What resources are needed** for each major action?
  
  – Plan + Organize + Equip + Train + Exercise (POETE)
  – National Incident Management System (NIMS) **typing**
  – Emergency Management Assistance Compact (EMAC) **Mission Ready Packages** (MRP)
Step 1: Determine Resource Needs

Capacity Target: Within 24 hours of an incident, provide evacuation from impacted area and provide adequate sheltering for up to 1,500 residents.
### Step 1: Determine Resource Needs

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<td>Mutual Aid Agreement with assisting parish</td>
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**Target:**

Within 24 hours of an incident, provide evacuation from impacted area and provide adequate sheltering for up to 1,500 residents.
Step 2: Examine Current Resource Levels

• Capability Assessment.
• **Examine** real-world incidents + assessment + planning processes + exercises.
• Results in **type + quantity + capacity** of resources **currently available**.
Step 2: Examine Current Resource Levels

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<td>Unified Shelter Plan</td>
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Step 2 Available Resources

- Unified Shelter Plan
- Parish and State ESF #1 Plans
- Parish and State ESF #6 Plans
Step 3: Compare Current Resource Levels to Needs

- **Gap analysis . . .**
  - Identify *sustainment + reduction + increase of resources.*
**Step 3: Compare . . .**

<table>
<thead>
<tr>
<th>Capability: Mass Care Services</th>
<th>Target: Within 24 hours of an incident, provide evacuation from impacted area and provide adequate sheltering for up to 1,500 residents.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Step 1 Required Resources</strong></td>
<td><strong>Possible Resources</strong></td>
<td><strong>Step 3</strong></td>
</tr>
<tr>
<td>Sheltering plan</td>
<td></td>
<td>Shortfall</td>
</tr>
<tr>
<td>Evacuation plan</td>
<td></td>
<td>Shortfall</td>
</tr>
<tr>
<td>Mutual Aid Agreement with assisting parish</td>
<td></td>
<td>Shortfall</td>
</tr>
<tr>
<td>Family reunification plan</td>
<td></td>
<td>Shortfall</td>
</tr>
<tr>
<td>Pet sheltering plan</td>
<td></td>
<td>Shortfall</td>
</tr>
<tr>
<td>Re-entry plan</td>
<td></td>
<td>Shortfall</td>
</tr>
</tbody>
</table>
Practical Application

<table>
<thead>
<tr>
<th>Capability:</th>
<th>Provide breakfast to family on Saturday mornings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target:</td>
<td>Have a plan in place to shop for groceries by Friday night</td>
</tr>
</tbody>
</table>

**Step 1: Required Resources**

- Grocery List
- Vehicle with appropriate fuel and storage: 2007 Silverado, 14mpg city, crew-cab with open bed
- Funding

**Step 2: Available Resources**

- Vehicle with appropriate fuel and storage: 2007 Silverado, 14mpg city, crew-cab with open bed
- Funding
• Capability Estimation is a simple, 3-step process.
  – Determine what you need + what you have + compare the two.
• Through the SPR, **Capability Estimation** helps determine **training + exercise needs** as well as resources.

• **Capability Estimations** will be required from all **Parishes annually**.

• The **Parish OHSEP Director MUST complete it on or before April 1.**
Questions?
What Value Do These Products Bring To My Parish?
Prepare + Prevent + Respond + Recover + Mitigate
By utilizing all tools to assess risks + threats + hazards, we identify the capabilities we must sustain or direct future funding to in order to build preparedness in Louisiana.
State Preparedness Approach
Prepare + Prevent + Respond + Recover + Mitigate

Parish Assessment
State Assessment

THIRA
Resources
Capabilities
Training + Exercises
GAPS
EMAC

getting it right!
ANALYZING RISKS + THREATS
HAZARDS + CAPABILITIES
FEMA Region VI

Prepare + Prevent + Respond + Recover + Mitigate

New Mexico

THIRA

Resources

Capabilities

Interstate Emergency Response Support Plan (IERESP)

Oklahoma

Arkansas

Texas

Louisiana

Training + Exercises

GAPS

getting it right!
ANALYZING RISKS + THREATS + HAZARDS + CAPABILITIES
National Capabilities
Prepare + Prevent + Respond + Recover + Mitigate

National Preparedness
National Preparedness Goal (NPG)

• Components of the National Preparedness Goal (NPG):
  – Identifying + assessing risks.
  – Estimating capability requirements.
  – Building + sustaining capabilities.
  – Planning to deliver capabilities.
  – Validating capabilities.
Prepare + Prevent + Respond + Recover + Mitigate
Prepare + Prevent + Respond + Recover + Mitigate
Prepare + Prevent + Respond + Recover + Mitigate
Prepare + Prevent + Respond + Recover + Mitigate
State Grant Funding
Investment Justification

• A paradigm shift in the way Investment Justifications (State grant applications) are developed.
State Homeland Security Program (SHSP) Grant Requirements

- Grant investment justifications must **tie** to the following:
  - *National Preparedness Goal (NPG)*
  - *Homeland Security Strategy*
  - *Threat + Hazard Identification + Risk Assessment (THIRA)*
  - *State Preparedness Report (SPR)*
Grant Funded Projects

• GOHSEP will only approve and fund Parish projects that support Desired Outcomes and Capability Targets for each of the selected Core Capabilities.
• Completion of the Parish-level *Risk Survey* (questionnaire) by **September 30, 2013** is extremely important to several *significant initiatives*.

• Results dictate the *capabilities* we must sustain or direct future funding to in order to build preparedness in Louisiana.

• Parish OHSEP Director MUST complete the *Capability Estimation on or before April 1*. 
Prepare + Prevent + Respond + Recover + Mitigate

- Grant Investments
- Risk Assessment
- Capability Assessments
- PR
- ICHPR

getting it right!
ANALYZING RISKS + THREATS + HAZARDS + CAPABILITIES
Amy Dawson
225-922-2667
amy.dawson@la.gov
Questions?
Lunch (1 ½ hrs)
Capability Estimation
Practical Application
Prepare + Prevent + Respond + Recover + Mitigate
Capabilities Estimation

- Identify required capabilities/resources needed to respond and recover from various emergency events.
- Identify capabilities/resources gaps within the Parish, Region or State.
Practical Application

• Identify any resources **needed** for the assigned Core Capabilities.

### Operational Communications

Sustain and enhance all **voice** and **data communications** between as they activate and deploy forward, whether mobile or fixed, affected communities in support of operations, security and awareness.
Practical Application

- Resources include **personnel + teams + facilities + equipment + supplies** and:

<table>
<thead>
<tr>
<th>Plans</th>
<th>Procedures</th>
<th>Strategies</th>
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<tbody>
<tr>
<td>Training</td>
<td>Exercises</td>
<td>Programs</td>
</tr>
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<td>Technologies</td>
<td>Services</td>
</tr>
<tr>
<td>Funding</td>
<td>Authorities</td>
<td>Laws</td>
</tr>
<tr>
<td>Ordinances</td>
<td>Policies</td>
<td></td>
</tr>
</tbody>
</table>

*getting it right!*
Benefits

- **Familiarity** with the tool.
- **EMPG Exercise Credit:**
  - Comprehensive *After Action Report* will be available after all workshop deliveries.
Breakouts

• **Group 1:** Environmental Response/Health + Safety; Operational Communications  
  – John Callahan

• **Group 2:** Planning; Operational Coordination  
  – Amy Dawson

• **Group 3:** Public Information + Warning; Mass Search + Rescue Operations  
  – Katie McCoy

• **Group 4:** Intelligence + Information Sharing; Public + Private Services + Resources  
  – Ric Moore

• **Group 5:** Threats + Hazard Identification; On-Scene Security + Protection  
  – Scott Van Keuren
Breakouts

• Cross-discipline.
• Multi-jurisdictional.
• May need to shuffle.
• Report out at 3pm.
Breakout
Report Out
Call-to-Action
September 30, 2013
Risk Survey Due (from Parish OHSEPs to GOHSEP)

September 30, 2013
NIMS Roll Up Due (from GOHSEP to DHS)

January - April 1, 2014
Annual Capabilities Report Due (Parishes to GOHSEP)
getting it right!

Analyzing Risks + Threats + Hazards + Capabilities

Workshop