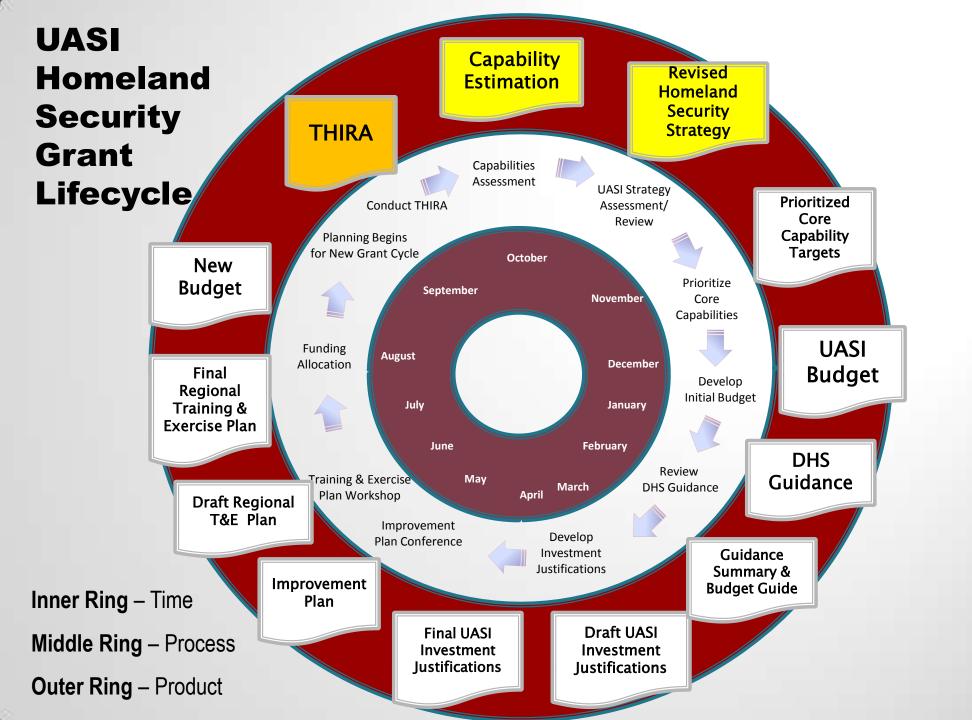# Capability Estimation Process

Project Approach

- Using New FEMA Guidance (CPG Pre-release)
- UASI Committees as stakeholders
- Based on the THIRA Targets
- Look at required vs. current capabilities
- NEXT: Update UASI Strategy to address shortfalls and to align with the NPG and State Goals

Capability Estimation Pilot

▸ We agreed to pilot the capability estimation as part of the 2013 strategic planning effort.

▸ We are the first to use FEMA's draft Capability Estimation CPG prior to its issuance.

▸ Our efforts will be considered a pilot and is being supported by FEMA Technical Assistance as well as UASI staff and consultants.

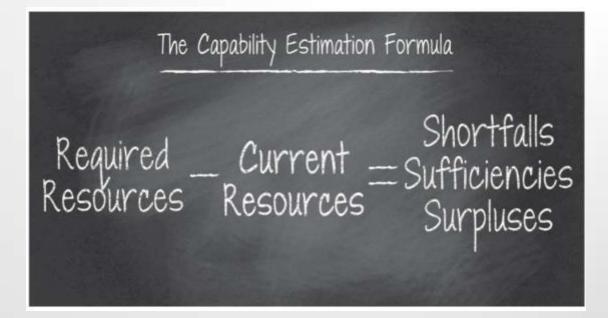▸ Requested FEMA to pre-populate all 31 capabilities.

Three-Step CPG CE Process

▸ **Step 1** – What resources are needed to meet targets.

▸ **Step 2** – Current resource levels.

▸ **Step 3** – List sufficiencies, surpluses, and shortfalls.

The Capability Estimation Formula

Required Resources − Current Resources = Shortfalls Sufficiencies Surpluses

Estimating Capabilities

- Include all resources available in the UASI region to include the *whole community* (to include VOADs, private sector and others).
- Do NOT include federal assets or mutual aid from neighboring counties, the state, or EMAC jurisdictions.

The Capability Estimation Formula

Required Resources − Current Resources = Shortfalls Sufficiencies Surpluses

Example Worksheet

Mass Search and Rescue (SAR) Operations

1	Capability:	Mass Search and Rescue Operations		
2	Target:	Within 24 hours, identify all high risk areas needing to be searched. Within the first 48 hours of an event/incident complete 70% of the high risk areas needing lifesaving mass search and rescue operations. During the first 72 hours of an incident, conduct search and rescue operations for 100% of the high risk areas—60% of which are expected to have household pets.		
3		Step 1 Required Resources	Step 2 Available Resources	Step 3
Plans				
4		SAR Annex	Yes	
5		Deployment Model	No	Short
Organization				
7		UASI SAR Committee	Yes	
8		State SAR Advisory Board	Yes	
Equipment				
9		Type I US&R Task Force	Yes	
10		1 NIMS Type II Collapse SAR Team[2]	No	Short
Training				
23		Annual medical refresher training/recertification	All emergency medical services staff have current certifications	
Exercises				
25		Annual hurricane tabletop exercises	Annual hurricane tabletop exercise held this year (Hurricane Charlie scenario)	

THIRA: Assessing Capabilities

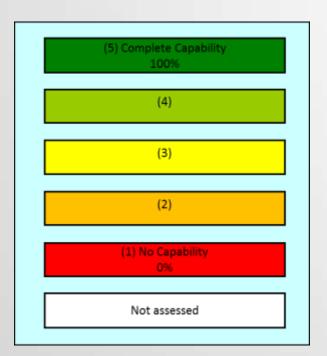- Scores indicate the estimated level of preparedness for each element: Planning, Organization, Equipment, Training, and Exercises (POETE).
- The assessment uses a 1-5 scale, where level 1 indicates little-to-no capability and level 5 indicates 100% of the capability desired.
- Each POETE capability element has a unique 1-5 scale.

(5) 100% Capable
(4)
(3)
(2)
(1) No Capability 0%
Not assessed

THIRA Scores

- THIRA included scoring by POETE
- Greens show good capabilities
- Yellow–Red gaps

Legend:
- (5) Complete Capability 100%
- (4)
- (3)
- (2)
- (1) No Capability 0%
- Not assessed

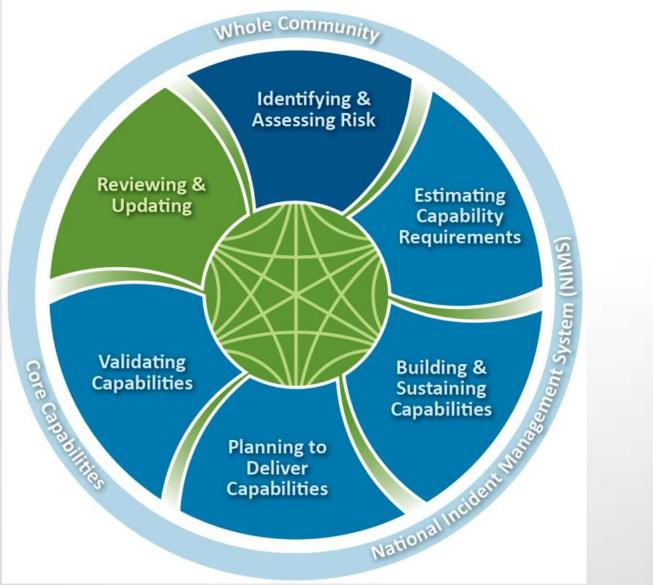| Baltimore UASI Capability Scores October 2012	Planning	Organization	Equipment	Training	Exercises	Average Score
Planning						4.80
Public Information and Warning						4.40
Operational Coordination						3.80
Forensics and Attribution						4.00
Intelligence and Information Sharing (Prevention Focus)						4.20
Interdiction and Disruption (Prevention Focus)						4.00
Screening, Search, and Detection (Prevention Focus)						4.20
Access Control and Identity Verification						4.60
Cybersecurity						3.80
Intelligence and Information Sharing (Protection Focus)						4.80
Interdiction and Disruption (Protection Focus)						4.40
Physical Protective Measures						3.80
Risk Management for Protection Programs and Activities						2.00
Screening, Search, and Detection (Protection Focus)						4.60
Supply Chain Integrity and Security						2.00
Community Resilience						2.60
Long-term Vulnerability Reduction						2.40
Risk and Disaster Resilience Assessment						2.20
Threats and Hazard Identification						4.00
Critical Transportation						4.00
Environmental Response/Health and Safety						4.20
Fatality Management Services						2.80
Infrastructure Systems (Response Focus)						3.20
Mass Care Services						3.40
Mass Search and Rescue Operations						4.60
On-scene Security and Protection						3.60
Operational Communications						4.20
Public and Private Services and Resources						3.20
Public Health and Medical Services						3.80
Situational Assessment						4.60
Economic Recovery						2.80
Health and Social Services						3.00
Housing						1.80
Infrastructure Systems (Recovery Focus)						3.20
Natural and Cultural Resources						1.40

Committees

▸ We built a crosswalk of the capabilities to the UASI Committees.

▸ Five Capabilities (highlighted) were targeted for the first phase of the pilot.

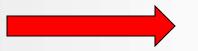|	HazMat	IMT and Regional Exercises	Urban Search and Rescue	Health and Medical	Functional Needs/Volunteer Mobilization	LETPA	CCTV	Regional Planners Committee	PIO/Ready, Set, Good!	High School Educational Alliance	Technology	Central Maryland Area Radio Communications (CMARC)	Average Score
Planning		•		•	•	•		•	•				4.80
Public Information and Warning	•					•		•	•				4.40
Operational Coordination	•	•		•	•	•		•				•	3.80
Forensics and Attribution						•							4.00
Intelligence and Information Sharing (Prevention Focus)						•	•	•	•				4.20
Interdiction and Disruption (Prevention Focus)						•	•						4.00
Screening, Search, and Detection (Prevention Focus)	•					•	•						4.20
Access Control and Identity Verification						•	•						4.60
Cybersecurity						•	•				•	•	3.80
Intelligence and Information Sharing (Protection Focus)						•	•	•					4.80
Interdiction and Disruption (Protection Focus)						•	•						4.40
Physical Protective Measures						•	•						3.80
Risk Management for Protection Programs and Activities						•							2.00
Screening, Search, and Detection (Protection Focus)	•					•	•						4.60
Supply Chain Integrity and Security						•							2.00
Community Resilience					•			•					2.60
Long-term Vulnerability Reduction													2.40
Risk and Disaster Resilience Assessment													2.20
Threats and Hazard Identification	•					•							4.00
Critical Transportation													4.00
Environmental Response/Health and Safety	•												4.20
Fatality Management Services				•				•					2.80
Infrastructure Systems (Response Focus)	•					•							3.20
Mass Care Services				•	•			•					3.40
Mass Search and Rescue Operations		•	•										4.60
On-scene Security and Protection													3.60
Operational Communications									•			•	4.20
Public and Private Services and Resources				•	•				•				3.20
Public Health and Medical Services				•	•								3.80
Situational Assessment													4.60
Economic Recovery													2.80
Health and Social Services				•	•								3.00
Housing													1.80
Infrastructure Systems (Recovery Focus)													3.20
Natural and Cultural Resources													1.40

National Preparedness System
The Interlinked Components

Suggested UASI Strategy

Goal ➡️ Mission Area

Objective ➡️ Core Capability

Implementation Step ➡️ Implementation of Steps to enhance or maintain a capability

Resourcing the Strategy

- Once gaps have been identified you need to work to close the gaps.
- Capabilities should be prioritized based on the gaps.
- Implementation Steps can be designed to close gaps for priority capabilities.
- Implementation Steps need to be funded to close the gaps.

UASI Strategy

▸ Strategic goals should align with the NPG Mission Areas and Core Capabilities.

- ◦ Improve Prevention Capabilities
- ◦ Improve Protection Capabilities
- ◦ Improve Mitigation Capabilities
- ◦ Improve Response Capabilities
- ◦ Improve Recovery Capabilities
- ◦ *Improve Programmatic Capabilities*