To: **Bay Area UASI Approval Authority**

From: **Catherine Spaulding, Assistant General Manager**

Date: **July 9, 2015**

Re: **Item 4: 2015 THIRA Process**

Staff Recommendation:

None

Action or Discussion Items:

Discussion only

Discussion:

The Threat and Hazard Identification and Risk Assessment (THIRA) is a four step risk assessment process that helps stakeholders to understand risks and estimate capability requirements. FEMA requires all states, UASIs, and tribal nations to complete a THIRA on an annual basis. The Management Team is planning a refresh of the 2014 THIRA for purposes of the 2015 submission requirement. There are only two significant changes anticipated at this time:

1) We plan to add a radiological/nuclear scenario
2) This year FEMA has significantly expanded its requirements for completing the resource estimation section of the THIRA.

Key Dates:

- Monday August 17 – Management Team distributes updated draft scenarios to stakeholders and collects SME input via an online survey
- Wednesday September 23 – THIRA consultation workshop
- Thursday November 12 – THIRA presented to the Approval Authority for approval
- Thursday December 31 – THIRA must be submitted to DHS/FEMA.

Unfortunately we continue to experience uncertainty as to the timing of the Haystax contract renewal, and so these dates are subject to change.

Jason Carroll, Haystax Technology Project Manager, will provide a background briefing on the THIRA and its requirements. Haystax is contracted by Cal OES to support the preparation of all California UASI THIRAs.

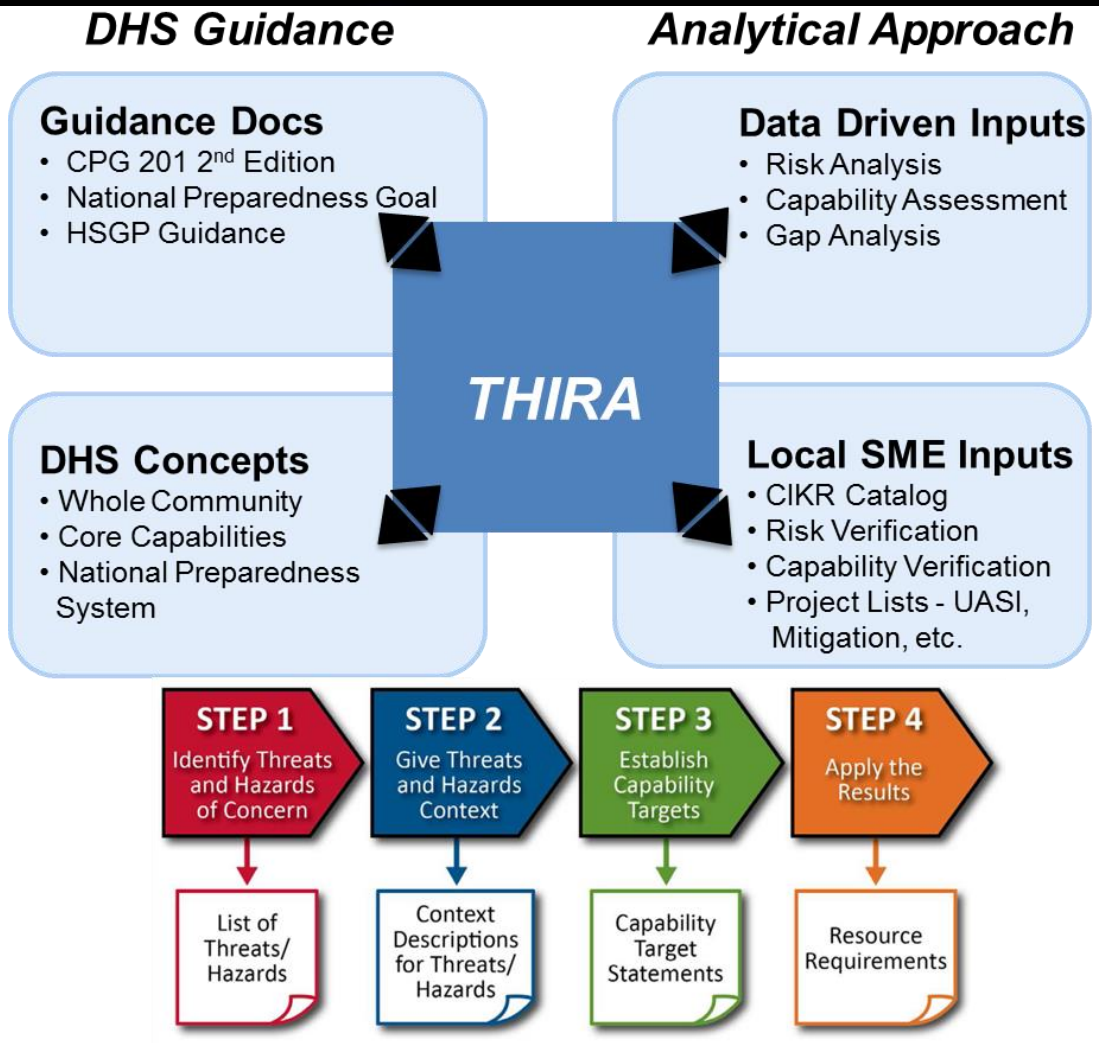
BAY AREA UASI

2015 Threat and Hazard Identification and Risk Assessment (THIRA)

Approval Authority Meeting

July 9, 2015

THIRA Based on DHS Guidance & Analytics



Major Components of the THIRA

This THIRA is organized around the following components:

- Step 1: Identify the Threats and Hazards of Concern
- Step 2: Give the Threats and Hazards Context
- Step 3: Establish Capability Targets
- Step 4: Apply the Results/Resource Requirements

Step 1: Identify Threats & Hazards of Concern

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**
• Earthquake • Wildfire • Flood	• Bay Container Ship Oil Spill • Heavy Rail Train Derailment Oil Spill	• VBIED • Cyber • Radiological/Nuclear

Step 2: Give the Threats and Hazards Context

Review and create descriptions of NINE threats and hazards identified in Step 1 by leveraging:

- Local Plans
- Real World Scenarios
- Open Source Research

Strike a balance between too general and too specific, to ensure practical application:

- Leverage standard, consistent definitions
- Customize definitions based on your UASIs individual data and profile

Step 3: Establish Capability Targets

Identify desired outcomes and estimated impacts by:

- Using risk analysis outputs to provide an analytic framework
- Examining each core capability in context of high risk jurisdictions and sectors
- Reviewing the vulnerability and consequence inputs for your UASI
- Incorporating guidance from CPG 201 with regard to quantifying outcomes

Set Capability Targets Grounded in Analytics:

- Conduct capability assessment to measure current abilities
- Map capability assessment to risk to identify risk-based gap
- Gap analysis drives targets in a data-driven, analytically sound manner
- Map desired outcomes and estimated impacts together to inform capability targets

Step 4: Apply the Results

DSI's Approach for Resource Estimation Focuses on 4 Principal Inputs:

- Real World Events
- Resource Modelling and Estimation Sources
- Open Source Research
- Local Plans

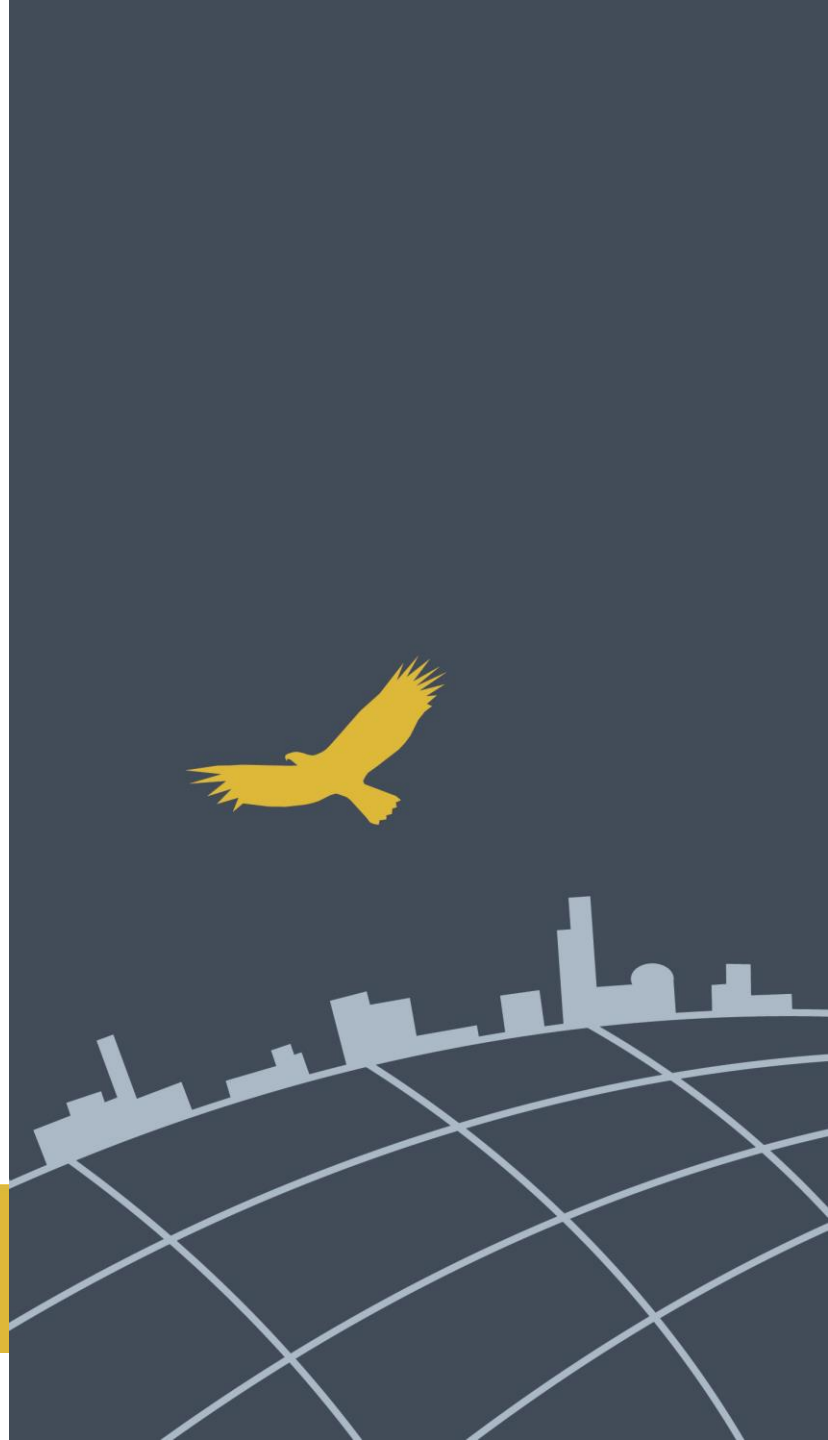
Resource Requirements:

- 18 Core Capabilities
- Output of step 4: List of resources required to achieve the identified capability targets
  - Identify the major actions needed to achieve capability targets
  - Consider the numbers and types of resources needed to complete each mission-critical activity in support of the capability targets
  - Develop resource requirements expressed as a list of NIMS-typed resources, when possible, or other standardized resources

Next Steps

- Review of Draft Scenarios
- Workshop
- Present THIRA for approval at November Bay Area UASI Approval Authority Meeting
- Submit THIRA to FEMA by December 31, 2014

Thank you.



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