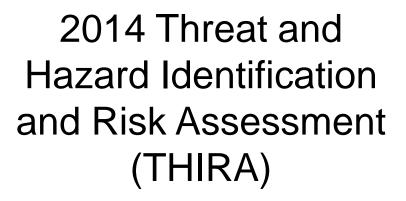
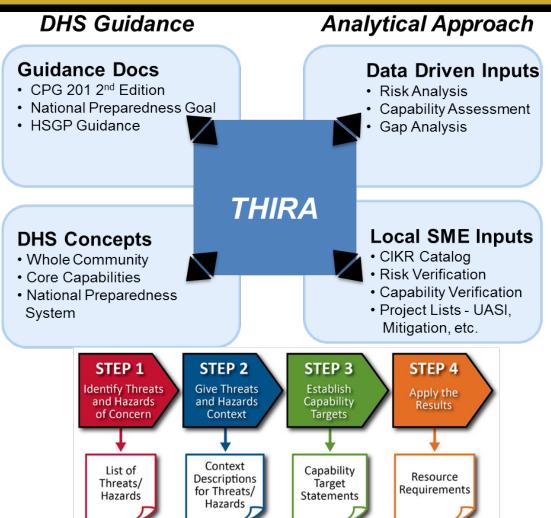
BAY AREA UASI



Approval Authority Meeting September 11, 2014







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





Step 1: Identify Threats & Hazards of Concern



Identify all threats and hazards that are currently analyzed by or of concern to your UASI:

- Natural
- Technological
- · Human-caused

Identify at least one scenario in each of the 3 categories above, to be the focus of further analysis based on:

- · Threat and likelihood data
- Risk data
- Current events

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
EarthquakeWildfireFlood	• Oil Spill	VBIEDCyber



Step 2: Give the Threats and Hazards Context



Create descriptions of SIX threats and hazards identified in Step 1 by leveraging:

- Threat likelihood data
- High risk critical infrastructure and key resources
- Geo-spatial depiction of region

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

Threat/	Threat/Hazard Type
Hazard Group	
	Earthquake
	Description: At approximately
	2:00 PM USGS reported an
	earthquake occurred just outside
	the entrance to the San
	Francisco Bay, west of the
Vatural	Golden Gate Bridge. A
	foreshock preceded the main
	shock by 20 to 25 seconds. The
	estimated magnitude of the main
	shock is M 7.9 in widespread
	areas of the most severely
ž	affected counties. The
	earthquake's ground shaking
	effects lasted for 45 to 60
	seconds. The earthquake
	ruptured approximately 300
	miles of the northern segment of
	the San Andreas fault, from the
	San Juan Bautista area in the
	south to Cape Mendocino in the
	north.







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

Description Impact	Fatality Management Impact	
6,600 fatalities. Local coron medical examiner resources and resources available through mutual aid in Region II will be overwhelmed by the number of fatalities and the requirements for transportation, storage, identification, and coordination with families, both immediately and over long term. Resources from other regions will be deploy through the Coroners Mutual Aid system but will have difficulty reaching the affect area due to damage to infrastructure.	on ne the ed	







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 datadriven, analytically sound manner
- Map desired outcomes and estimated impacts together to inform capability targets

Core Capability	Desired Outcome		
nent	During the first 72 hours of an incident, conduct operations to recover fatalities. During the first 7 days of an incident, develop and implement a plan for storage and identification of remains and reunification of bodies with family members.		
Fatality Management	Bay Area agencies, (e.g., medical examiner/coroner, law enforcement, public health, medical health, and emergency management) are able to coordinate with Federal Disaster Mortuary Operational Response Teams (DMORT) to ensure the proper recovery, handling, identification, transportation, tracking, storage, and disposal of human remains and personal effects; certify cause of death; and facilitate Family Assistance Centers (FAC) to provide access to mental/ behavioral health services for the family members, responders, and survivors of an incident.		
Capability	Capability Target: During the first72 hours of an incident, begin		

to conduct operation to recover 6,600 fatalities. During the first 7 days, implement plan for storage and identification of remains and reunification of the 6,600bodies with family members.





Resource Requirements:

- 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

Core Capability: Mass Search and Rescue Operations

Capability Target Within 72 hrs, rescue: 5,000 people in 1,000 completely collapsed buildings 10,000 people in 2,000 non-collapsed buildings 20,000 people in 5,000 buildings 1,000 people from collapsed light structures

Resource Requirement

Resources	Number Required
Type I US&R Task Forces	10
Type II US&R Task Forces	38
Collapse S&R Type III Teams	100
Collapse S&R Type IV Teams	20
Collapse S&R Type I Teams	20



Thank you.



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