



The National Preparedness System (NPS)

“Moving Preparedness into a Net Centric Environment”



**Homeland
Security**

How prepared are we?



Nuclear Detonation – 10 Kiloton

Casualties	Hundreds of thousands
Infrastructure Damage	Total within radius of 0.5 to 3 miles
Evacuations/Displaced Persons	100,000 in affected area seek shelter in safe areas (decontamination required for all before entering shelters)
Contamination	Various levels up to approximately 3,000 square miles
Economic Impact	Hundreds of billions of dollars
Potential for Multiple Events	No
Recovery Timeline	Years

Biological Attack – Aerosol Anthrax

Casualties	Approximately 13,000 fatalities and injuries
Infrastructure Damage	Minimal other than contamination
Evacuations/Displaced Persons	25,000 seek shelter (decontamination required)
Contamination	Extensive
Economic Impact	Billions of dollars
Potential for Multiple Events	Yes
Recovery Timeline	Months

National Planning Scenarios

1. Nuclear Detonation – 10-Kiloton Improvised Nuclear Device
2. Biological Attack – Aerosol Anthrax
3. Biological Disease Outbreak – Pandemic Influenza
4. Biological Attack – Plague
5. Chemical Attack – Blister Agent
6. Chemical Attack – Toxic Industrial Chemicals
7. Chemical Attack – Nerve Agent
8. Chemical Attack – Chlorine Tank Explosion
9. Natural Disaster – Major Earthquake
10. Natural Disaster – Major Hurricane
11. Radiological Attack – Radiological Dispersal Devices
12. Explosives Attack – Bombing Using Improvised Explosive Devices
13. Biological Attack – Food Contamination
14. Biological Attack – Foreign Animal Disease (Foot and Mouth Disease)
15. Cyber Attack



Are We Prepared?

We are Vulnerable

Spectrum of potential threats exceed the ability to prepare for them.

Potential Devastation Wide Spread

Toll on lives and property can be significant with the effects felt well beyond the point of origin.

Capacity to Respond/Recover is Limited

A major incidents will quickly exceed even the most prepared jurisdiction.

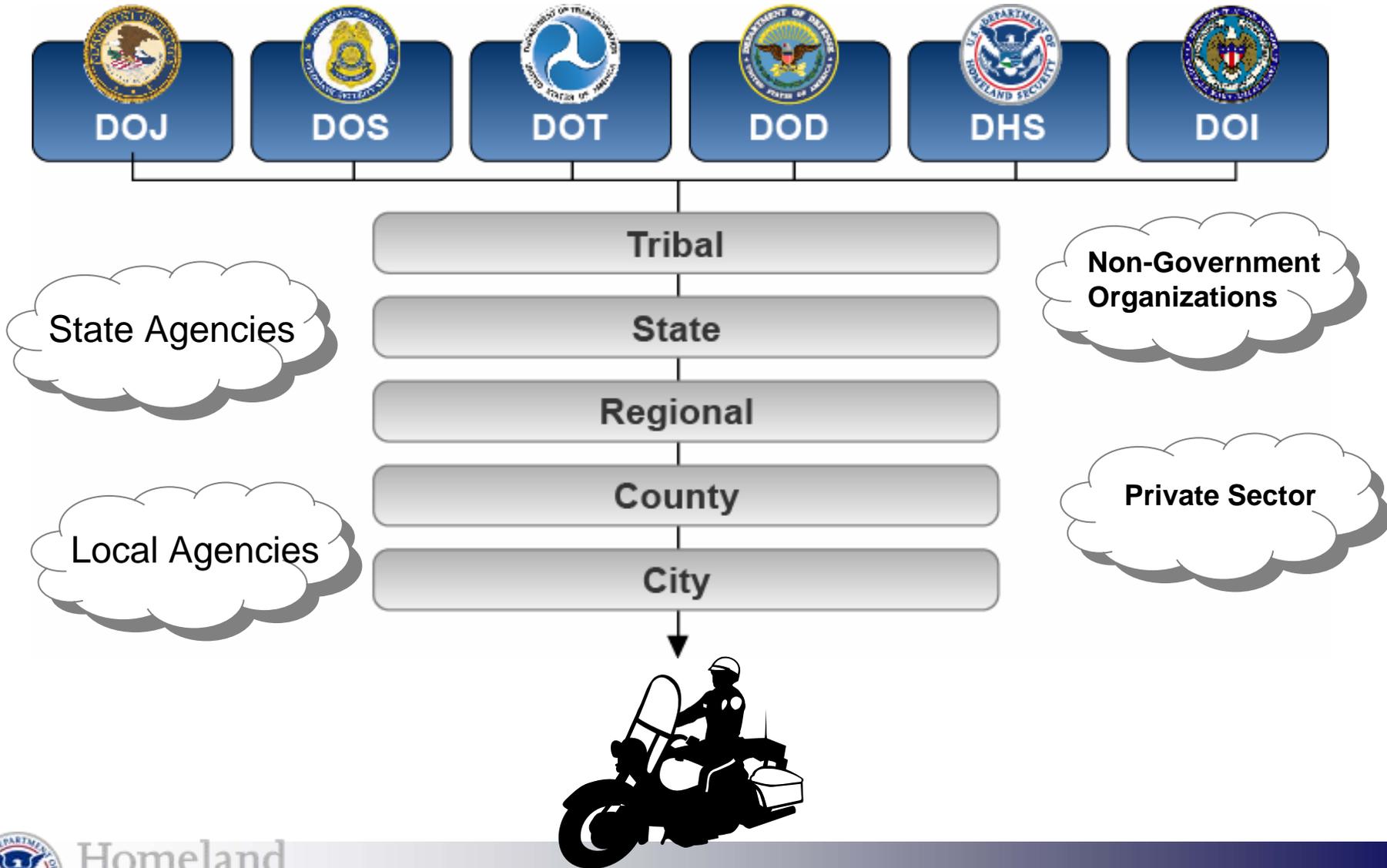
Preparedness is Not a Local Issue

Preparing for a major incident is not a local affair. It is a collaborative effort involving a myriad of players.



“More than 90% of the decisions are made before the incident occurs.”

A Net-Centric Operation



Net-Centric Challenge of DHS

Diverse Organization

Administrative and operational constructs are different in each state.

Diverse Systems & Taxonomy

Each state manages their resources independently. Many of the federal agencies have existing systems, none of which share data. There is no enterprise.

Accessibility to Information

Who should have access? Who can see what?

Liability of Preparedness

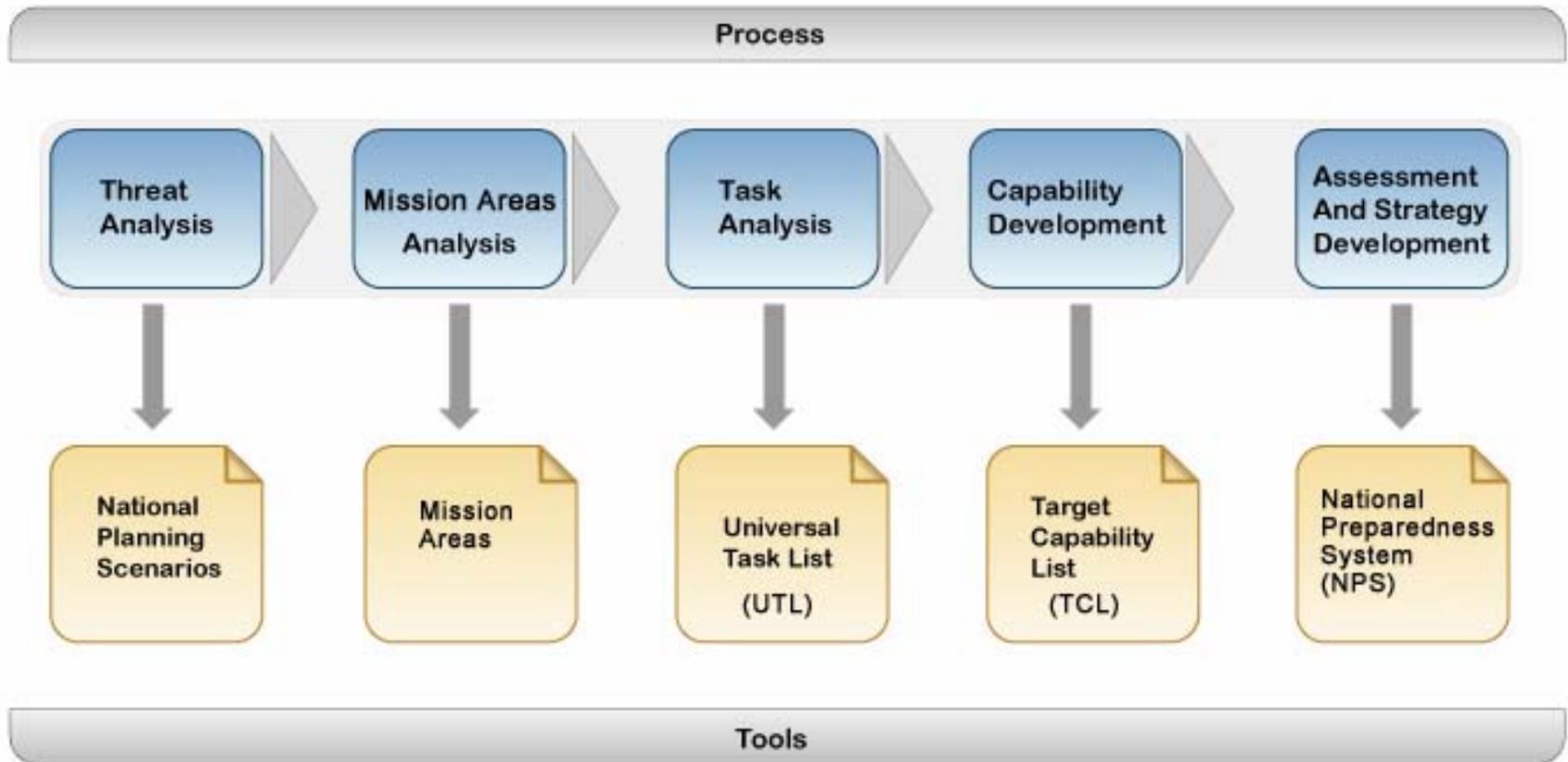
What if the media get this? Is there a factor of liability if we're not ready? Freedom of Information Act.

Limited Resources

At all levels of government there is a limit to the capacity of human resources.

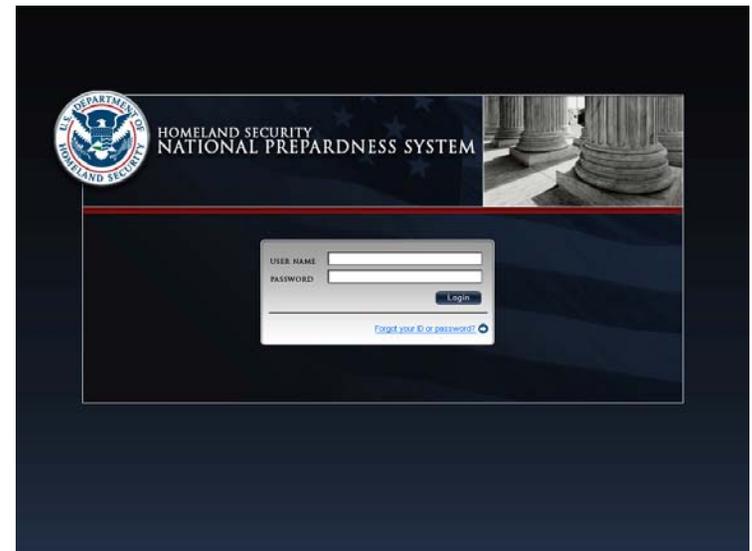
*“Can we answer the question:
How prepared are we as a
country?”*

The National Preparedness Process



National Preparedness System

The National Preparedness System (NPS) is to provide decision-makers and emergency managers at all levels with the information their agency, state, jurisdiction, or organization needs in order to plan for, prevent, or respond to a major event. The system will provide a picture of preparedness at all levels against the target capabilities, and will assist users in identifying responsibility for critical tasks and resources.



Support for a National Preparedness System

Fundamental to the mission of the U.S. Department of Homeland Security is the mitigation of threats, vulnerabilities, and consequences that stem from acts of terrorism and natural disasters.

Homeland Security Presidential Directive (HSPD) – 8:

- Requires a National Preparedness Goal with measurable readiness priorities and targets.
- Development of a system for assessing the Nation's overall preparedness to respond to major events, especially those involving acts of terrorism.

DHS FY 2006 Appropriations language: "...complete the National Preparedness Assessment and Reporting System no later than Sept 30, 2006."

Federal Response to Hurricane Katrina, February 2006:

P.93, Rec. 20, "DHS should assess the Nation's preparedness yearly..."

P.93, Rec. 21, "DHS should develop and maintain a national inventory of Federal capabilities...[which] should be placed into a database, per HSPD-8."



National Preparedness System Mission

Clarify Responsibility & Expectations

What are jurisdictions prepared to do and where do they expect support.

Common Taxonomy

Speak the same language about capabilities, limitations and resources.

Organizational Visibility

Know the community; Federal, Tribal, State, Regionally, Locally, Non-Government support and Private Industry support.

Capability-Based Preparedness

We can be ready for everything so we prepare for a set of capabilities based on specific scenarios.

Target for the Future, Assessment of Present

We need the ability to plan for and assess the capability/capacity of the country. How ready are we?

“More than 90% of the decisions are made before the incident occurs.”

Development – Not Starting from Scratch

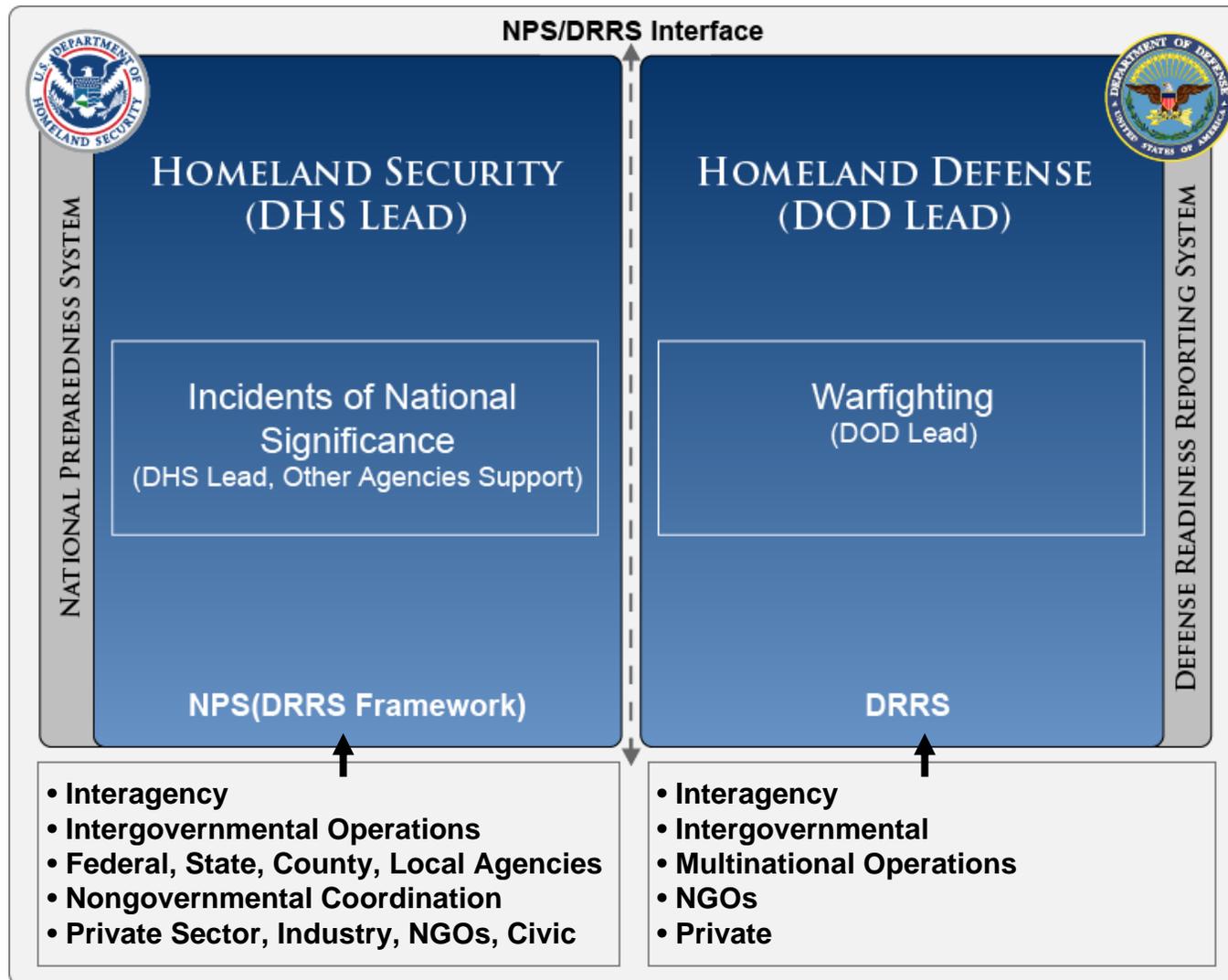
The National Preparedness System (NPS) is being built using existing government owned software as the foundation:

- ▶ The **Defense Readiness Reporting System (DRRS)** assesses capabilities/readiness for the military
- ▶ DRRS uses tasks (UJTL) and capabilities (JCA) as the basis for readiness; DHS uses tasks (UTL) and capabilities (TCL)
- ▶ DRRS is a developed, functioning system that is has been tested and used
- ▶ DRRS can be quickly modified for NPS, saving development time and costs
- ▶ DRRS will be modified to meet homeland security requirements
- ▶ DoD will provide the architecture and code to DHS and support the modifications

NPS is a System-of-Systems:

- ▶ It shall pull data from a variety federal agencies via web services.
- ▶ It shall pull data from the states via web services.





Assessment of Capability

 **HOMELAND SECURITY NATIONAL PREPAREDNESS SYSTEM**

Logged in: Jill Norton (jnorton@emd.va.gov)
Emergency Coordination Manager, Chesterfield County
[Edit Profile](#)

Home Assessment Dashboard Plans Reports Admin

Dashboards Map View: United States

United States Map

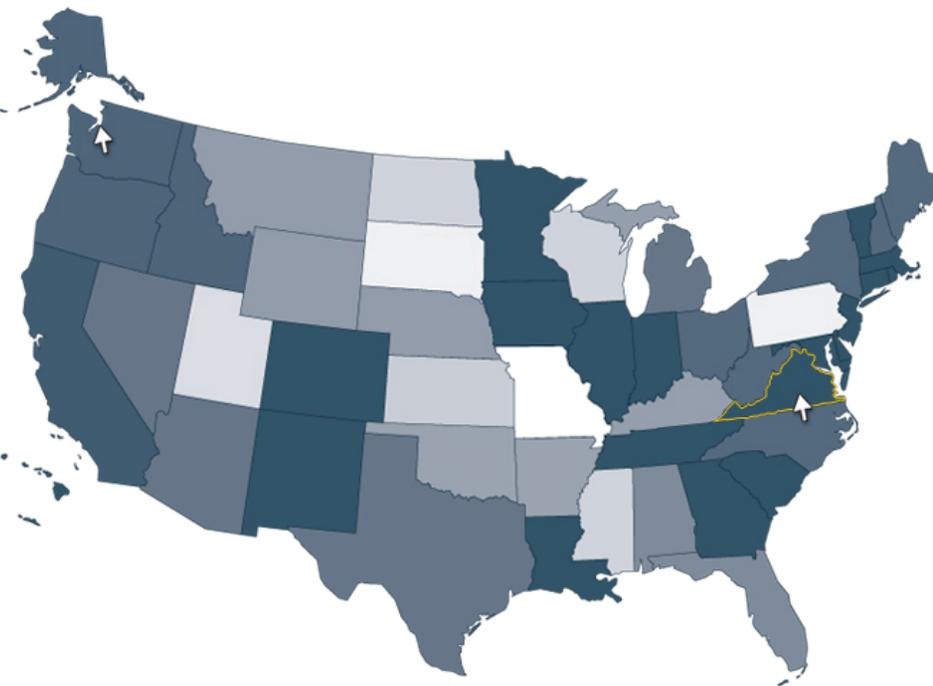
Map Details

 **State Name**
Jurisdictions: [24](#)

Capability

- CBRNE Detection
- Information Gathering and ...
- Intelligence Analysis & Prod...
- Intelligence/Information Shar...
- Law Enforcement Invest...
- Critical Infrastructure Protect..
- Food and Agriculture Safety...
- Epidemiological Investigation...
- Public Health Laboratory Test..
- Animal Health Emergency...
- Citizen Protection: Evacuation
- Critical Resource Logistics &...
- Emergency Operations Center...
- Emergency Public Info...
- Epidemiological Investigation...
- Public Health Laboratory Test..
- Animal Health Emergency...
- Citizen Protection: Evacuation
- Critical Resource Logistics &...
- Emergency Operations Center...

State Name



Assessment of Capacity

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Dashboards Map View: United States Update

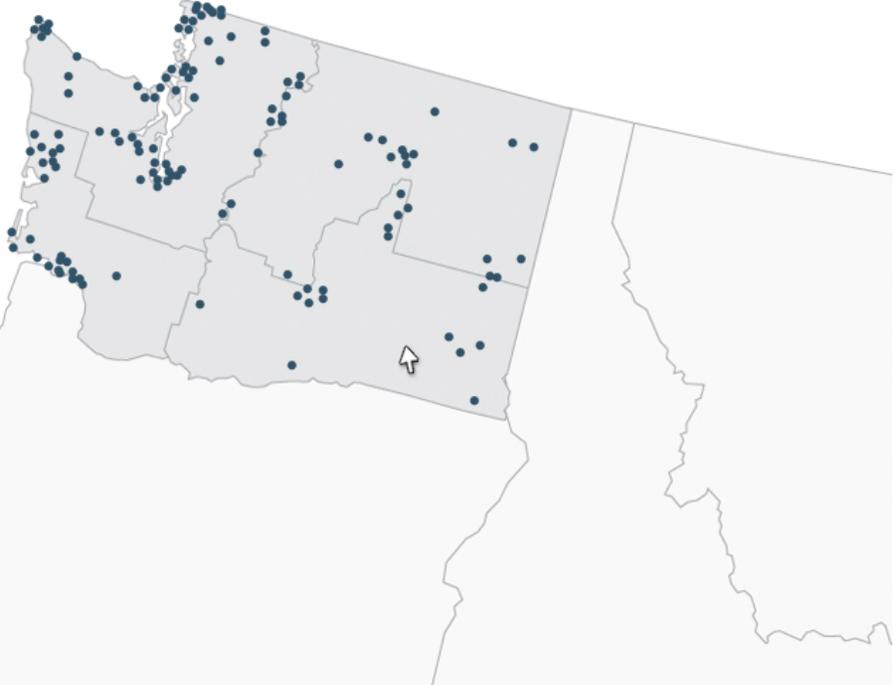
Washington Map

County Name Jurisdictions: [11](#)

Capability

- CBRNE Detection
- Information Gathering and ...
- Intelligence Analysis & Prod...
- Intelligence/Information Shar...
- Law Enforcement Invest...
- Critical Infrastructure Protect...
- Food and Agriculture Safety...
- Epidemiological Investigation...
- Public Health Laboratory Test..
- Animal Health Emergency...
- Citizen Protection: Evacuation
- Critical Resource Logistics &...
- Emergency Operations Center...
- Emergency Public Info...
- Epidemiological Investigation...
- Public Health Laboratory Test..
- Animal Health Emergency...
- Citizen Protection: Evacuation
- Critical Resource Logistics &...
- Emergency Operations Center...

County Name [Export Report](#)



Identify Responsibility for Activities

NPS

Capability/Activity

 **FEMA (Federal)**

filter by: ALL ▼

- Animal Health Emergency Support 3/5
- Citizen Protection: Evacuation... 3/5
- Critical Resource Logistics and... 7/7
- Emergency Operations Center 3/5
- Emergency Public Information 2/7
- Environmental Health 1/5
- Explosive Device Response 5/6
- Fatality Management 4/5
- Firefighting Operations/Support... 1/9
- Isolation and Quarantine 2/2
- Mass Care (Sheltering, Feeding... 3/6
- Mass Prophylaxis 4/4
- Medical Supplies Management... 2/4
- Medical Surge 2/8
- Onsite Incident Management 1/3
- Public Safety and Security Resp... 4/9
- Urban Search and Rescue 3/8
- Dev. & Maintain Plans... ✓
- Dev. & Maintain Training... ○
- Direct US&R Tactical Ops... ✓
- Provide Material & Other... ✓
- Conduct US&R Reconnaissance** ○
- Search ○

✓ Completed ○ Not Completed

Activity Assignment

Urban Search & Rescue

Conduct US&R Reconnaissance

Definition: Once on scene and equipped, provide rapid assessment of assigned US&R work areas and recommend search priorities/tactics to management.

Critical Tasks Measures

Activity Responsibility

Assign Activity Delegate Activity [Include Mutual Aid Partner](#)

Activity Responsibility Manage List	<input type="radio"/> None	<input type="radio"/> Primary	<input type="radio"/> Secondary	<input type="radio"/> Claimed
Alabama	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Alaska	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Arizona	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Arkansas	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	State
California	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Federal
Colorado	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Connecticut	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Delaware	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Federal
Florida	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Georgia	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Federal
Hawaii	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Idaho	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Illinois	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Indiana	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Iowa	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Cancel Save Previous Next

History ▼

Identify the Expectations for Support



**HOMELAND SECURITY
NATIONAL PREPAREDNESS SYSTEM**

Logged in: John Smith (jsmith@emd.wa.gov)
Chief of Staff, Washington EMD
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Home
Jurisdiction
Admin

[NPS](#)

Capability/Activity



Washington (STATE)

filter by: ALL ▼

Animal Health Emergency Support	12
Citizen Protection: Evacuation...	4
Critical Resource Logistics and...	17
Emergency Operations Center	2
Emergency Public Information	4
Environmental Health	3
Explosive Device Response	11
Fatality Management	1
Firefighting Operations/Support...	21
Isolation and Quarantine	0
Mass Care (Sheltering, Feeding...	0
Mass Prophylaxis	1
Medical Supplies Management...	4
Medical Surge	9
Onsite Incident Management	2
Public Safety and Security Resp...	2
Urban Search and Rescue	22
Dev. & Maintain Plans...	1
Dev. & Maintain Training...	0
Direct US&R Tactical Ops...	2
Provide Material & Other...	3
Conduct US&R Recon...	16
Search	0

Delegation Review

Activity	Date	Assigned By	Assigning Party	Accept			
Develop and Maintain Plans	06NOV06	XXXX County	Jason Smith	<input type="checkbox"/>	Reject	Re-evaluate	
Develop and Maintain Train	06NOV06	XXXX County	Jason Smith	<input type="checkbox"/>	Reject	Re-evaluate	
Direct US&R Tactical Ops	06NOV06	XXXX County	Jason Smith	<input type="checkbox"/>	Reject	Re-evaluate	
Provide Material & Other Support	06NOV06	XXXX County	Jason Smith	<input type="checkbox"/>	Reject	Re-evaluate	
Conduct US& R Recon	06NOV06	XXXX County	Jason Smith	<input type="checkbox"/>	Reject	Re-evaluate	
Search	06NOV06	XXXX County	Jason Smith	<input type="checkbox"/>	Reject	Re-evaluate	
Activate US&R	06NOV06	XXX State	Jason Smith	<input type="checkbox"/>	Reject	Re-evaluate	
Extricate	06NOV06	XXX State	Jason Smith	<input type="checkbox"/>	Reject	Re-evaluate	
Demobilize/Redeploy US&R	06NOV06	XXX State	Jason Smith	<input type="checkbox"/>	Reject	Re-evaluate	

Save Previous Next



Homeland Security

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Adopt a Flexible Organizational Construct



**HOMELAND SECURITY
NATIONAL PREPAREDNESS SYSTEM**

Logged in: John Smith (jsmith@emd.wa.gov)
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Jurisdiction
Admin



**Washington
(STATE)**

[Profile](#)

[Contacts \(5\)](#)

Regions (9) ▶

Admin >> Regions

Regional Map - Washington (state)

Add New Regional Structure

Regional Capability Description

Type (Capability): General Emergency Planning

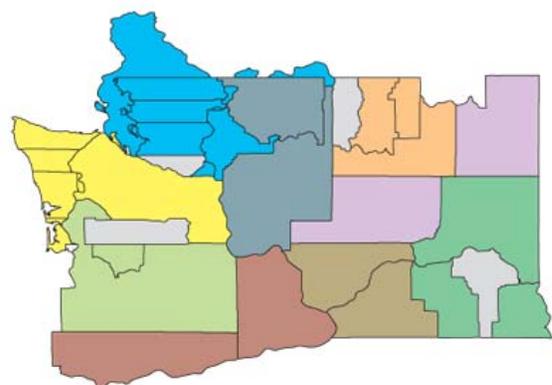
Label: General Health Emergency Planning and Coordination.

Description: Regional Homeland Security Coordination Districts (RHSCD).

Regional Sourcing

Region Name	Counties in Region	Edit
Region 1	(3 Counties in this region)	✎
Region 2	(3 Counties in this region)	✎
Region 3	(3 Counties in this region)	✎
Region 4	(3 Counties in this region)	✎
Region 5	(3 Counties in this region)	✎
Region 6	(3 Counties in this region)	✎
Region 7	(3 Counties in this region)	✎
Region 8	(3 Counties in this region)	✎
Region 9	(3 Counties in this region)	✎

Regional Sourcing View



Save

Identification of Resources

Capability Elements - Avant Browser

UNCLASSIFIED

HOMELAND SECURITY NATIONAL PREPAREDNESS SYSTEM

Welcome: John Q. Doe
Region Coordinator, FEMA Region X (Fed)

Assessment >> Capability/A

Capability Element / Resource Details

Resource: Small Animal Transport Team - Type I

Definition: An Animal Protection Small Animal Transport Team will deploy for a minimum of 5 days and will be responsible for transporting small animals from a disaster site. All required vehicles will accompany team.

Category: Animals and Agriculture Issues Kind: Team

Minimum Capabilities:		Description	YES	NO
Component	Metric			
Personnel	Team Composition	1 team leader	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Personnel	Team Composition	4 members	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Personnel	Minimum Deployment	5 days	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equipment		Radio/walkie-talkie system; Cell phones; Pagers; Laptops; Base station; Fresh batteries; Administration/ management kit with forms; Documents; Plans; SOPs; Manuals; Office supplies	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vehicle		1 4x4 pickup	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vehicle		1 SUV	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Personnel	Training	FEMA EMI/IS classes in Emergency Preparedness	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Personnel	Training	Basic ICS	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Personnel	Training	Animals in Disaster - Module A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Personnel	Training	Animals in Disaster - Module B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Personnel	Training	Livestock in Disasters	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

Save Cancel

The Future of Preparedness

- **Preparedness Data Enterprise** – Starts with NPS.
- **Repository of Capabilities** – Centrally create/manage capabilities and distribute via web services.
- **Resource Typing** – Centrally manage resource using a common taxonomy.
- **Establish a Common Preparedness Goal**
- **Start to Change the Culture!**



The National Preparedness System (NPS)

What does Net-Centric Operations mean to National Preparedness?

It means, we can answer the question...

How prepared are we?

The National Preparedness System (NPS)

Questions?



Contact Information

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