

States National Guard GeoCONOPS and Proof of Concept



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The New Hampshire National Guard has been specifically invited to participate in many Sharing Capability proofs of concept



Central US Earthquake Consortium Exercise (JUN '14)



NG Patriot Exercises '11, '12



CAUSE* II (MAR '13)



CAUSE* III (NOV '14)

**CAUSE = CANADA-U.S. ENHANCED RESILIENCY EXPERIMENT SERIES*

THE CANADA – U.S. ENHANCED RESILIENCY EXPERIMENT CAUSE III

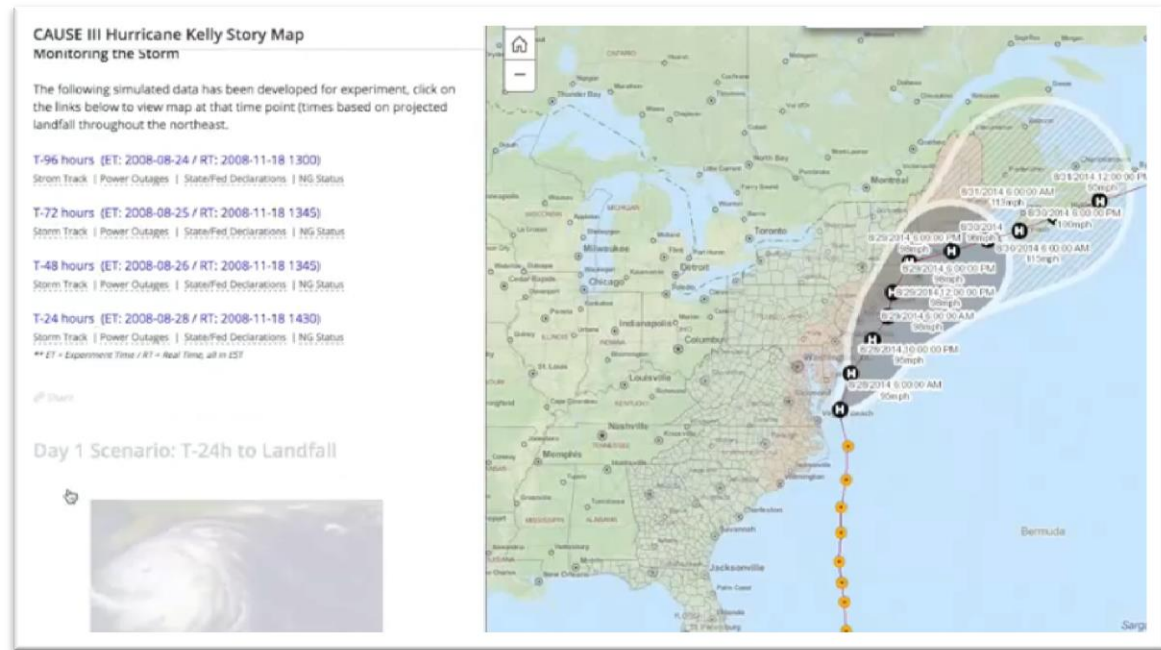
Our objectives:

- Participate in a simulated major catastrophe to allow us to test information sharing capabilities.
- Test the best means to share information at various levels of response.



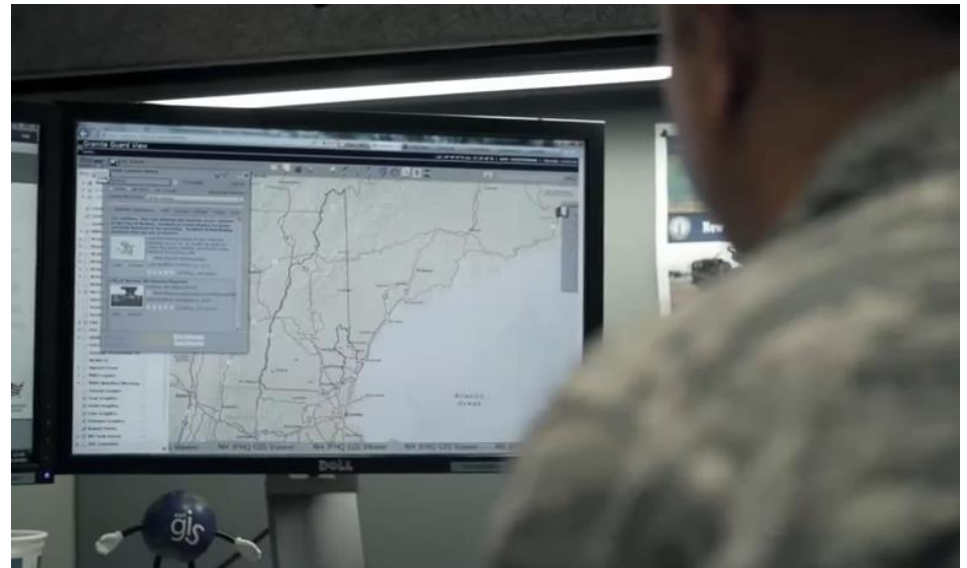
Our objectives (continued):

- Interact and interoperate with local, state, national and international agencies providing location enabled knowledge.
- Publish data so it may be consumed by other agencies for their use.



Our objectives (continued):

- Identify Essential Elements of Information for the National Guard to capture and use in subsequent products.
- Capture potential needs for the National Guard to develop governance in order to ensure our geospatial products provide the right information at the right time to the right agency.



States National Guard Information Sharing Principles

- Solid sharing practices are essential
- Identification and collection of Essential Elements of Information (EEIs) support effective decision making at all levels of operations
- The 'art' of location enabled situational awareness continues to increase in its use of producing actionable knowledge.

National Guard GeoCONOPs Principles

- Geospatial governance in the following areas is needed to ensure continued improvement of sharing Situational Awareness:

Adequate collection – do we produce the right information to enable situation awareness and decision making?

Proper publishing – do we publish it in a manner that makes it available and discoverable to the appropriate audience and universally useful?

Spatial organization of data – do we create map services that are intuitively beneficial both as a stand-alone and if displayed on another map, will it enhance the viewers knowledge?

Use data filtering to effectively share information – do we capture succinct data and eliminate data that clutters the perception of the individual assessing the situation or the decision maker?

Essential Elements of Information - Initial Focus -

Council of Governors: 8

Homeland Security GeoCONOPS: 12

DoD: 3

FEMA: 3

States Public Capability Essential Elements of Information: 18

States National Guard (Planning and Capability Data): 9

53
Total

We identified 53 essential elements of information requirements that are the foundation of a Homeland Security / Domestic Operations information sharing collaboration

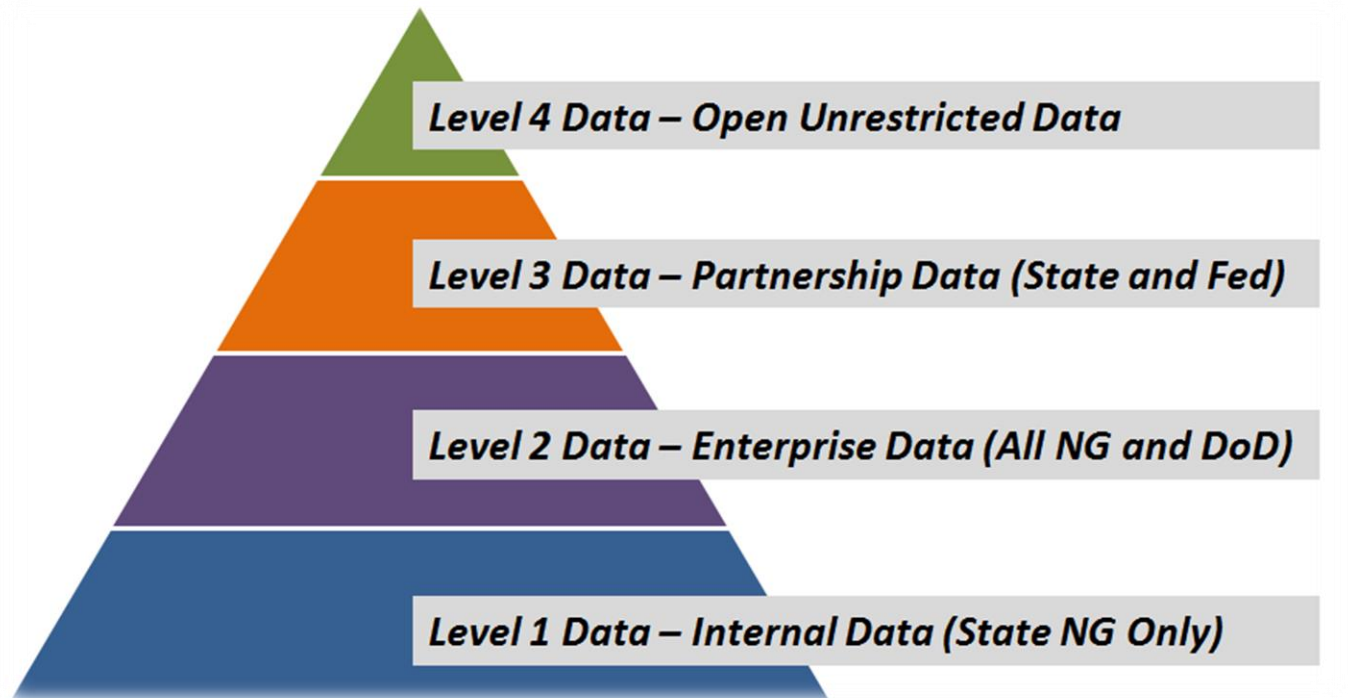
Focus on combining a Need to Share and a Need to Know

Military Values

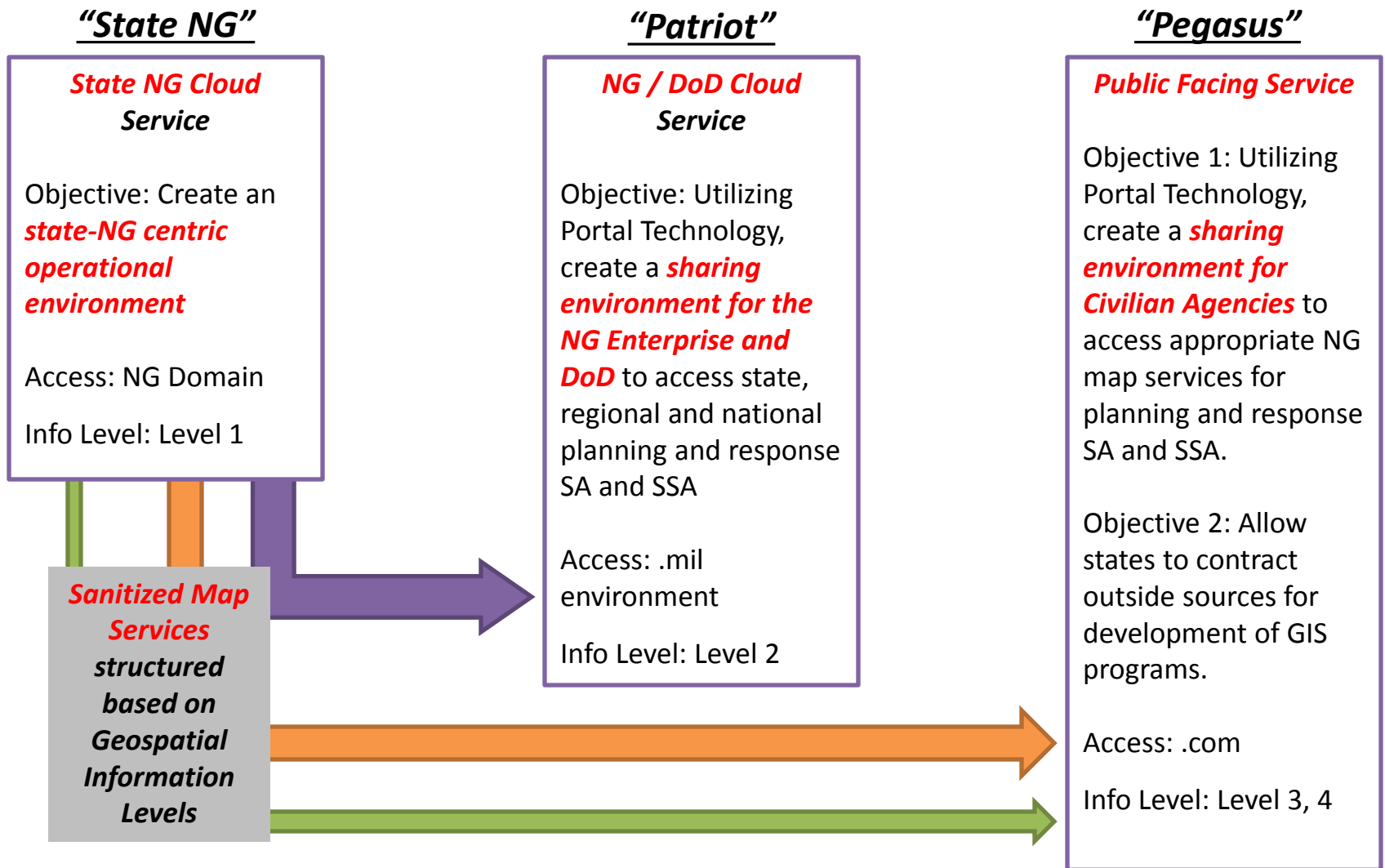
Military operations survive on 'need to know' values; similar governance for sharing geospatial data should be adopted. While various definitions have been established for operations one should be developed to guide the placement of and access to map services and the data contained.

Geospatial Information Levels

To assist with the identification of information levels and select accessibility the following model is suggested for use:



Publish Geospatial Data to Various Cloud Services



Sharing Example

The capability exists to input once and automatically update many

Example of planning and response information sharing

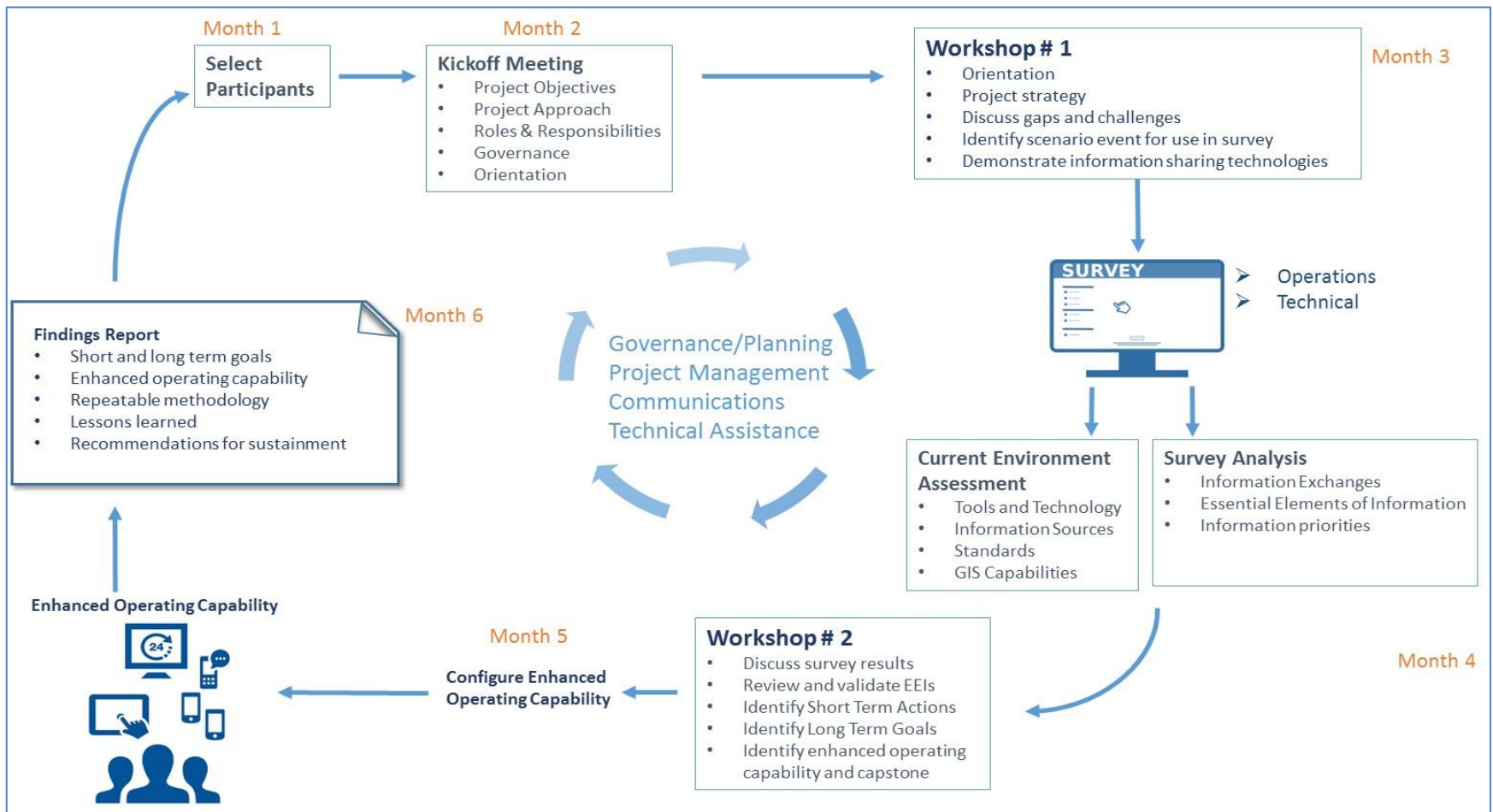
Level 1 Data <i>Internal Data State NG Use Only</i>	Level 2 Data <i>Enterprise Data All NG and DoD</i>	Level 3 Data <i>Partnership Data State and Federal</i>	Level 4 Data <i>Open Unrestricted Data</i>
Unit Name	Unit Name	Unit Name	
UIC / PAS Code			
Unit Commander			
Readiness Center Name	Readiness Center Name	Readiness Center Name	Readiness Center Name
Readiness Center Address	Readiness Center Address	Readiness Center Address	
Building Number			
Pers Auth			
Pers Avail for State Active Duty	Pers Avail for State Active Duty		
Critical Equipment Auth			
Critical Equipment Avail SAD	Critical Equipment Avail SAD		
Planned Critical Capability 1	Planned Critical Capability 1	Planned Critical Capability 1	
Critical Capability 1 Available	Critical Capability 1 Available		
Planned Critical Capability 2	Planned Critical Capability 2	Planned Critical Capability 2	
Critical Capability 2 Available	Critical Capability 2 Available		
Planned Critical Capability 3	Planned Critical Capability 3	Planned Critical Capability 3	
Critical Capability 2 Available	Critical Capability 3 Available		
JOC Contact Number	JOC Contact Number	JOC Contact Number	JOC Contact Number

**Data Input at the State NG
Level automatically
published**



States Proof of Concept and Enhanced Concept Development

- Assign 20 States National Guard to participate
 - 10 to review governance and publish/consume data
 - Additional 10 to publish/consume data
- National Information Sharing Consortium (NISC) to facilitate testing and evaluation in concert with the Department of Homeland Security
- Request NGB to Fund FEDRAMP Amazon Cloud Services through 30 Sep 2016



Draft concept for GeoCONOPS Proof of Concept

Questions / Comments