

# BEOC an Interagency Model

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# Presentation Outline

- History
- Research Approach
- Specific Research Activities
- General Outcomes
- Specific Outcome
- C2 Linkage
- Ways Ahead

# History

- DHS EM (4 major dimensions)
- 2007 DARPA Brain-storming session (2010 follow-on)
- Initial capabilities (Pvt. Sector meeting)
  - *Notifications/Alerts*
  - *Intelligence gathering and analysis*
  - *Collaboration*
  - *Communication*
  - *Reachback*
  - *Incident Management*
  - *Incident Management Support (added later during the research process)*
  - *Visualization*
  - *Modeling, Simulations. Training*
  - *Integration (expanded to include a virtual capability)*

# Research Approach

- Theoretical Grounding
- Activity Theory/ Action research
- Cognitive Anthropology
- Data Collection (five phase framework)
  - *diagnosing*
  - *action planning*
  - *action taking*
  - *evaluating*
  - *specifying learning.*

# Specific Research Activities

- **EXERCISE 1 – Topoff 4** was a tier 1 exercise based upon a terrorist attack on various parts of the United States using a Radiological Dispersion Device (RDD). A tier 1 exercise is normally mandated to be held each year by the White House.
- **EXERCISE 2 - Virtual Hurricane Reseponse Exercise** was a tier 3 exercise (locally developed) based upon a natural disaster (a category 3 hurricane affecting New Jersey and New York City).
- **EXERCISE 3 – National Level Exercise 2-08** was a tier 1 exercise based upon a natural disaster, a hurricane affected the US capitol Region.
- **EXERCISE 4 – National Level Exercise 09** was a tier 1 exercise based upon a terrorist threat in the Gulf of Mexico and the State of Texas.
- **EXERCISE 5 – National Level Exercise 2010** was a tier 1 exercise based upon a Weapons of Mass Destruction (WMD) scenario.
- **EVENT 1- Democratic National Convention** was an event where the BEOC supported our business partners in Denver during the Democratic National Convention, The BEOC functioned as a business fusion center.

# General Outcomes

- Notifications/alerts
- Collaboration
- Communication
- Incident Management Support
- Visualization
- Integration

# Specific Outcome

- NLE 2011
- The NJIT C4IF lab Event page
- FEMA National BEOC model
- Public Facing
- Secure Portal Compartmentalization (the virtual scif)

# C2 Linkage

- Process Model of C2... OODA to SIDA
- Linkage to the Incident Command Structure
- Incident Management and Anticipatory Processes



# Ways Ahead

- ***Individual Factors***
- ***Organizational Factors***
- ***Societal Factors***
- ***Political Factors***