

# Department of Defense Chemical and Biological Defense Initiatives

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September 27, 2006*



# DoD Chemical Biological Defense Program (CBDP): The Way Ahead

- **Build on current strengths...**
  - Integrated collection of systems (Capability based Portfolio)
  - Multi-disciplinary approaches
  - Well developed doctrine and concepts for the military in operational environments
- **...while recognizing a changing environment**
  - Laboratory and other infrastructure may need overhaul
  - Operational environment must consider homeland
  - Emerging and non-traditional threats may be critical
- **...and Planning for the Future**
  - Need to balance investment between current risks (operational and procurement needs) and future risks (S&T and infrastructure)
  - Coordination with other agencies (DHHS, DHS, and others) for an effective national effort
  - Broad-spectrum and dual-benefit approaches will need to be evaluated in all areas

# CBDP Oversight Process

- **OSD Oversight process for CBDP restructured in July 2006**
  - Goal of oversight process: Ensure OSD has an effective mechanism to assess program health and ensure a coordinated and integrated CB defense investment strategy
  - Support the overall National Security and National Military Strategies with respect to Combating WMD and Force Protection



# CBDP is not a System of System, but a Portfolio of Capabilities supporting a Common Operational Mission

- Sept 14, 2006 DEPSECDEF memo regarding Capability Portfolio Management.
- "The intent is to manage groups of like capabilities across the enterprise to improve interoperability, minimize capability redundancies and gaps, and maximize capability effectiveness.... The [Capability Portfolio Managers] will ensure their portfolios are aligned with strategic objectives and the capability mix within each portfolio."
- Four capability areas are test cases:
  - (1) Joint Command and Control,
  - (2) Joint Net Centric Operations,
  - (3) Battlespace Awareness, and
  - (4) Joint Logistics.



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SEP 14 2006

MEMORANDUM FOR: SEE DISTRIBUTION

SUBJECT: Capability Portfolio Management Test Case Roles, Responsibilities, Authorities, and Approaches

The Quadrennial Defense Review, and the follow-on Strategic Planning Guidance, emphasized the need to continue building upon the DoD capability-based planning and management efforts to facilitate strategic choices and improve the ability to make capability tradeoffs. One approach being explored is joint capability portfolio management. The intent is to manage groups of like capabilities across the enterprise to improve interoperability, minimize capability redundancies and gaps, and maximize capability effectiveness. Joint capability portfolios will allow the Department to shift to an output-focused model that enables progress to be measured from strategy to outcomes. Delivering needed capabilities to the joint warfighter more rapidly and efficiently is the ultimate criterion for success in this effort.

To reach this goal, the Deputy's Advisory Working Group (DAWG) has selected four capability areas as test cases for experimentation with the joint capability portfolio management concept: (1) Joint Command and Control; (2) Joint Net-Centric Operations; (3) Battlespace Awareness; and (4) Joint Logistics.

A Capability Portfolio Manager (CPM) will oversee each test case. The CPMs will ensure their portfolios are aligned with strategic objectives and the capability mix within each portfolio is optimized to meet warfighters' needs. The CPMs will integrate the efforts of capability providers through requirements identification, solution development, and execution oversight. CPM oversight will cover the spectrum of doctrine, organization, training, materiel, leadership and education, personnel, and facilities solutions to meet operational needs of the joint warfighter in the CPMs' respective capability areas. Additionally, the CPMs will identify and assess risk in their portfolios to assist DoD senior leadership in balancing joint-warfighting demands against resource constraints.

Attachment A contains general guidance regarding roles, responsibilities, and authorities applicable to each of the four test cases. In addition, the CPMs have provided details regarding the approaches they intend to pursue (Attachments B-E). Your active participation in the process will help the Department assess the benefits of capability portfolio management.

OSD 14477-06



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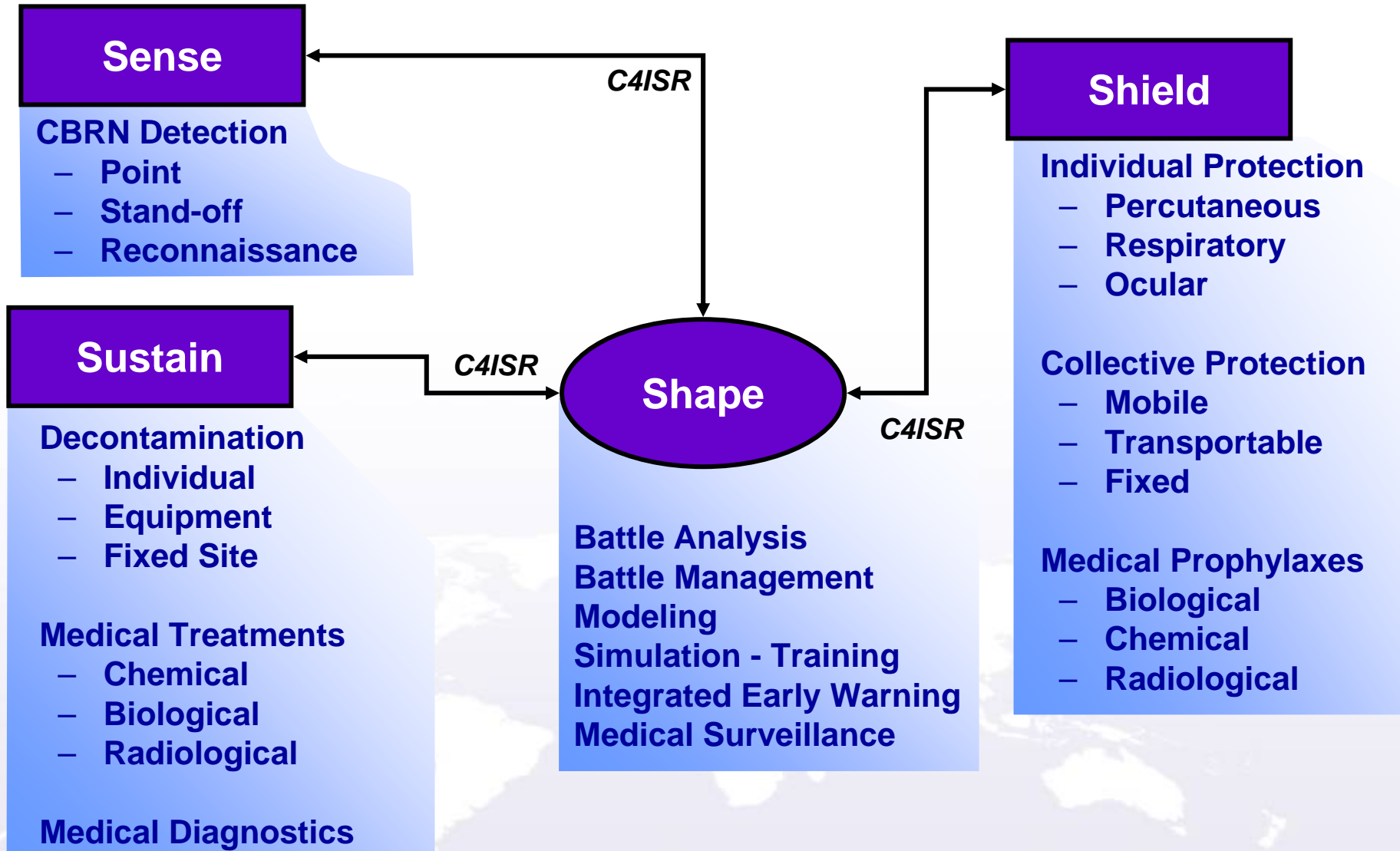


# Managed Risk Strategy

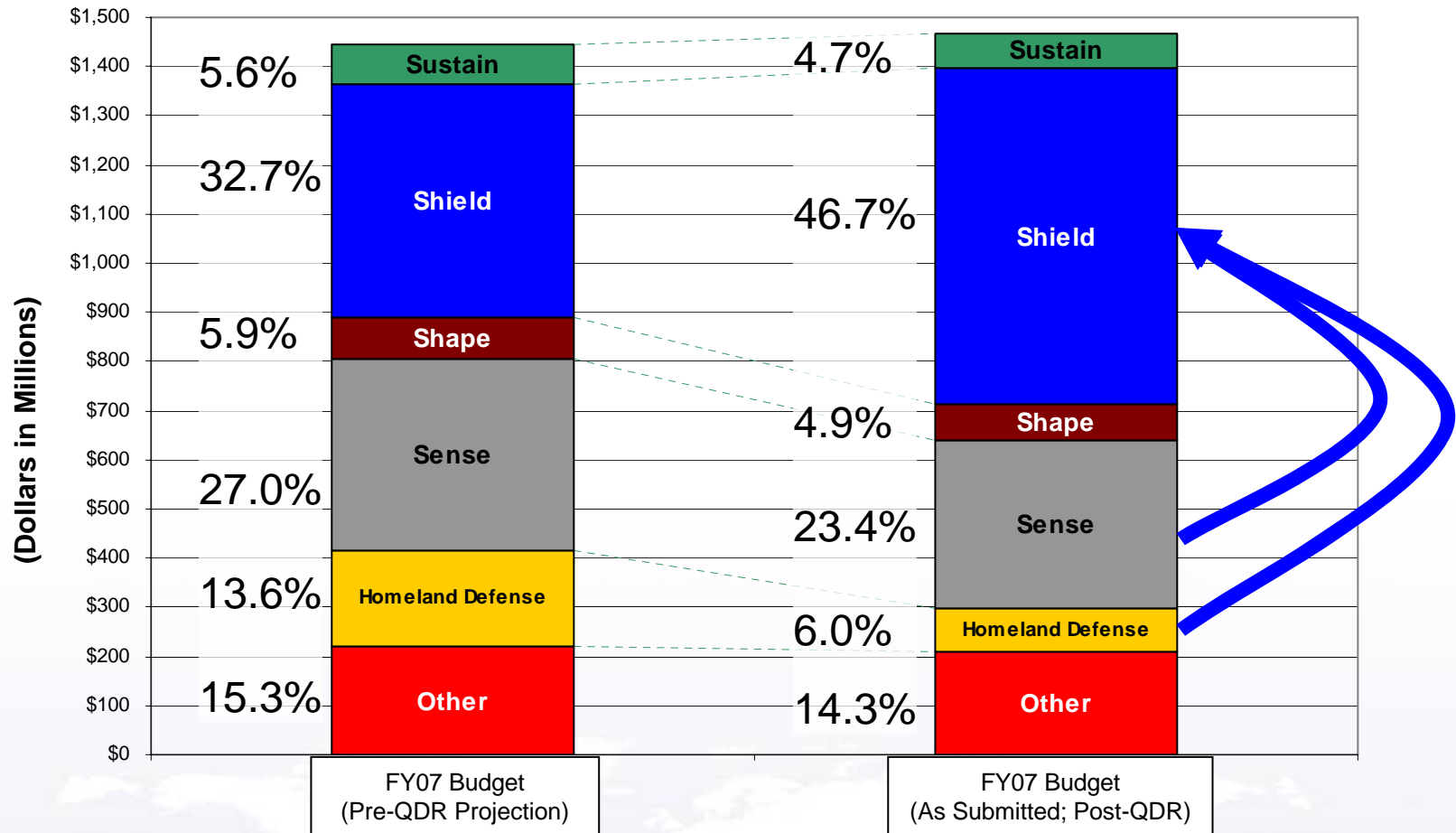


# CBRN Defense

## Operational Elements and Capabilities



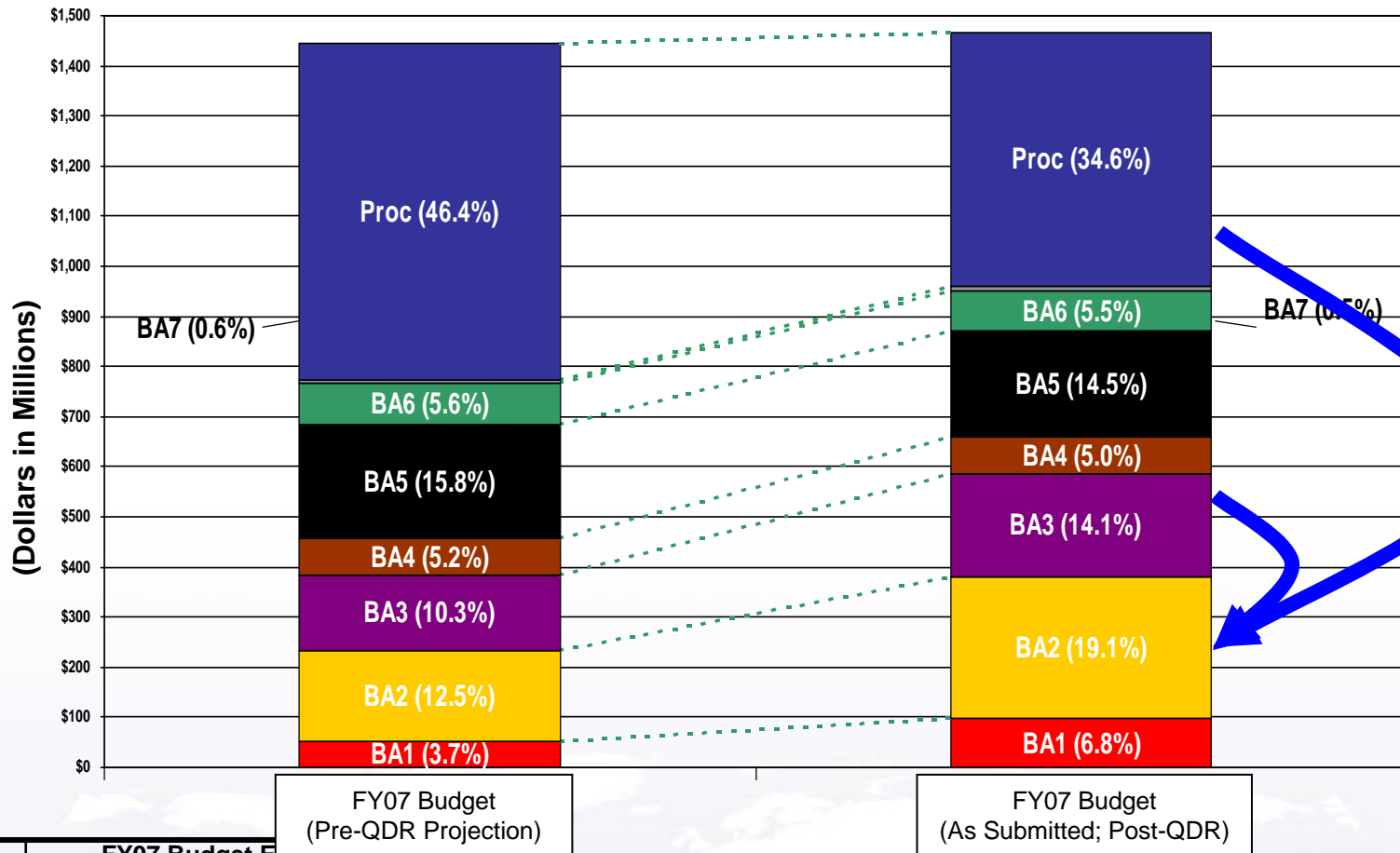
# FY07 Resource Allocation: Shifting Priorities (Impact of the QDR)



(\$ in Millions)	FY07 Budget Estimate	
	FY06 Projection	FY07 Budget
Other	\$221.2	\$209.7
Homeland Defense (HD)	\$195.6	\$87.7
Sense	\$389.5	\$342.2
Shape	\$85.1	\$72.3
Shield	\$471.6	\$684.5
Sustain	\$80.5	\$69.0
<b>TOTAL</b>	<b>\$1,443.5</b>	<b>\$1,465.4</b>

**Key shifts in portfolio into the “Shield” operational element to support the Transformational Medical Technology Initiative (TMTI)**

# FY07 Resource Allocation: Shifting Priorities (Impact of the QDR)

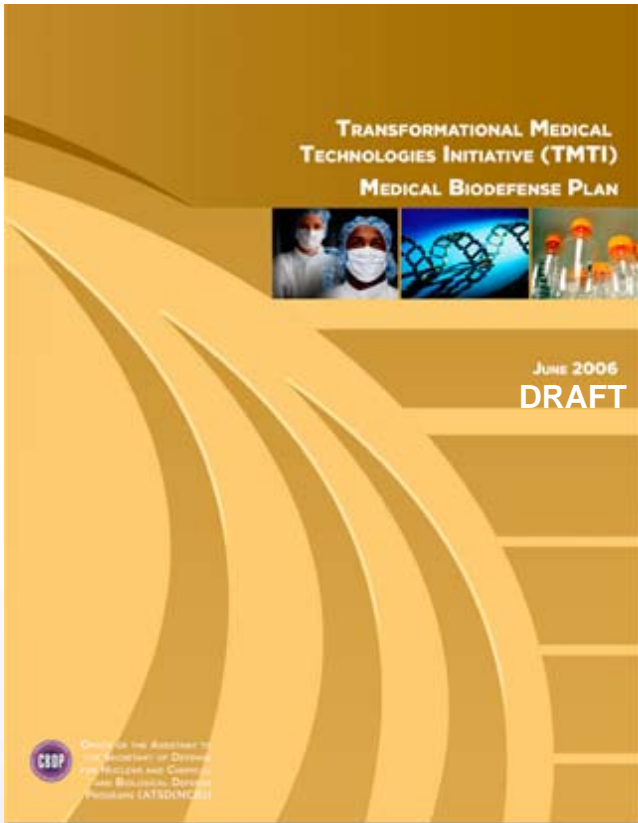


(\$ in Millions)	FY07 Budget Estimate	
	FY06 Projection	FY07 Budget
BA1	\$52.7	\$99.2
BA2	\$179.9	\$280.4
BA3	\$149.4	\$207.1
BA4	\$74.4	\$73.1
BA5	\$228.3	\$212.1
BA6	\$81.4	\$80.1
BA7	\$8.1	\$7.0
Procurement	\$669.2	\$506.4
TOTAL	\$1,443.5	\$1,465.4

**Key shifts in portfolio into Applied Research (Budget Activity 2) to support the Transformational Medical Technology Initiative (TMTI)**



# The QDR directed the Transformational Medical Technology Initiative (TMTI)

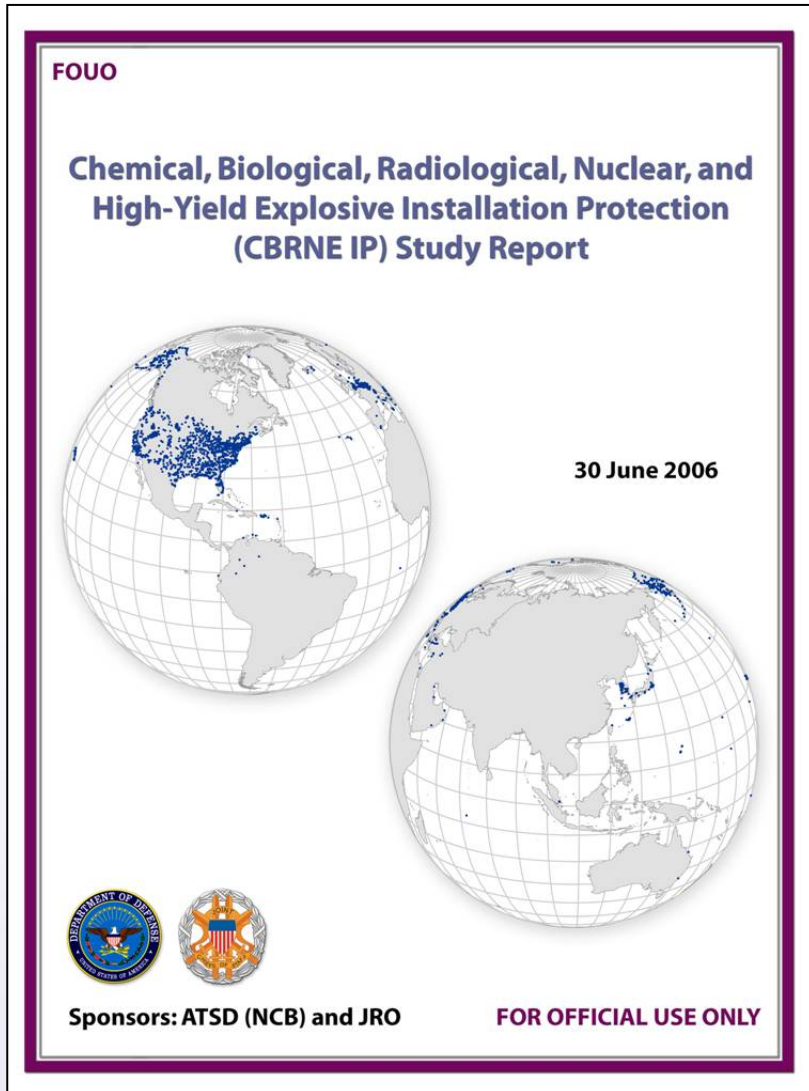


- Strategic Plan directing implementation of TMTI is under development.
- \$1.5 Billion over 5 years
- Novel Technology Projects Five year program with two key deliverables
  - Develop candidate broad-spectrum treatments for hemorrhagic fever viruses and intracellular bacterial pathogens
  - Rapid genomic analysis capability for identification, diagnosis, and attribution of biothreat agents
- Represents novel technology and acquisition experiment
  - Individual Research and Development Projects
    - Seeking research projects that provide experimental and theoretical development of therapeutics for biological defense
  - Integrated Technical/Management Arrangement
    - Seeking a multi-party or other arrangement to integrate a broad array of technical solutions to meet TMTI objectives

# The Installation Protection Program is being restructured

## Report Objectives:

- Create a **prioritized** installation list;
- Identify **capability packages** to address CBRNE IP gaps;
- Develop a **tiered approach** to execution,
- Provides **funding recommendations**.
- Focus on ensuring that mission assurance requirements are satisfied **using both military and civilian assets**, and that a means of utilizing military assets for civilian consequence management is determined
- Provides a **critical baseline capability** of first responder, incident management, and warning notification to bases within defined funding constraints.





# Questions?

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**<http://www.acq.osd.mil/cp/>**

# Back Up Slide



# CBRNE Installation Protection Mission Space

Inside the program, inside the fence
Inside the program, outside the fence
Outside the program, requires close coordination and collaboration
Outside the program

