

Presentation to the Advanced Planning Briefing for Industry



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ATSD (NCB) Organization

Secretary of Defense

**Under Secretary of Defense for
Acquisition, Technology and Logistics**

**ATSD
(NCB)**

**Deputy
for
Nuclear Matters**

**Deputy for
Chem Bio
Defense**

**Deputy for
Chem Demil &
Threat Red**

**Director
Defense Threat
Reduction Agency**



“The only time we'll have perfect evidence that a terrorist regime has deliverable weapons of mass destruction may be after they've used those weapons. And needless to say, that's a bit late.”

*Defense Secretary Rumsfeld,
October 22, 2002*





The Chemical & Biological Threat

*It's not a matter of if and when,
It is now.*





Vision

Ensure that the Department of Defense has a world class CBRN defense capability that addresses all current and future threats to warfighter.





Chemical/Biological Defense Readiness

- **CB defense readiness remains a top priority for the DoD**
- **There is no silver bullet for Chemical/Biological Defense**
 - **The CBD program consists of a Family of Systems**
 - **No one technology or set of procedures is sufficient to counter CB weapons**
- **U.S. Forces are trained, ready, and deployed with the best available equipment**
- **We have better equipment and capability than we did in Desert Storm**



Progress Since Operation DESERT STORM

- Chemical/Biological Detection
- NCB Reconnaissance
- Joint Warning and Reporting
- Individual Protection
 - Masks
 - Clothing
- Collective Protection
- Medical Protection
- Decontamination

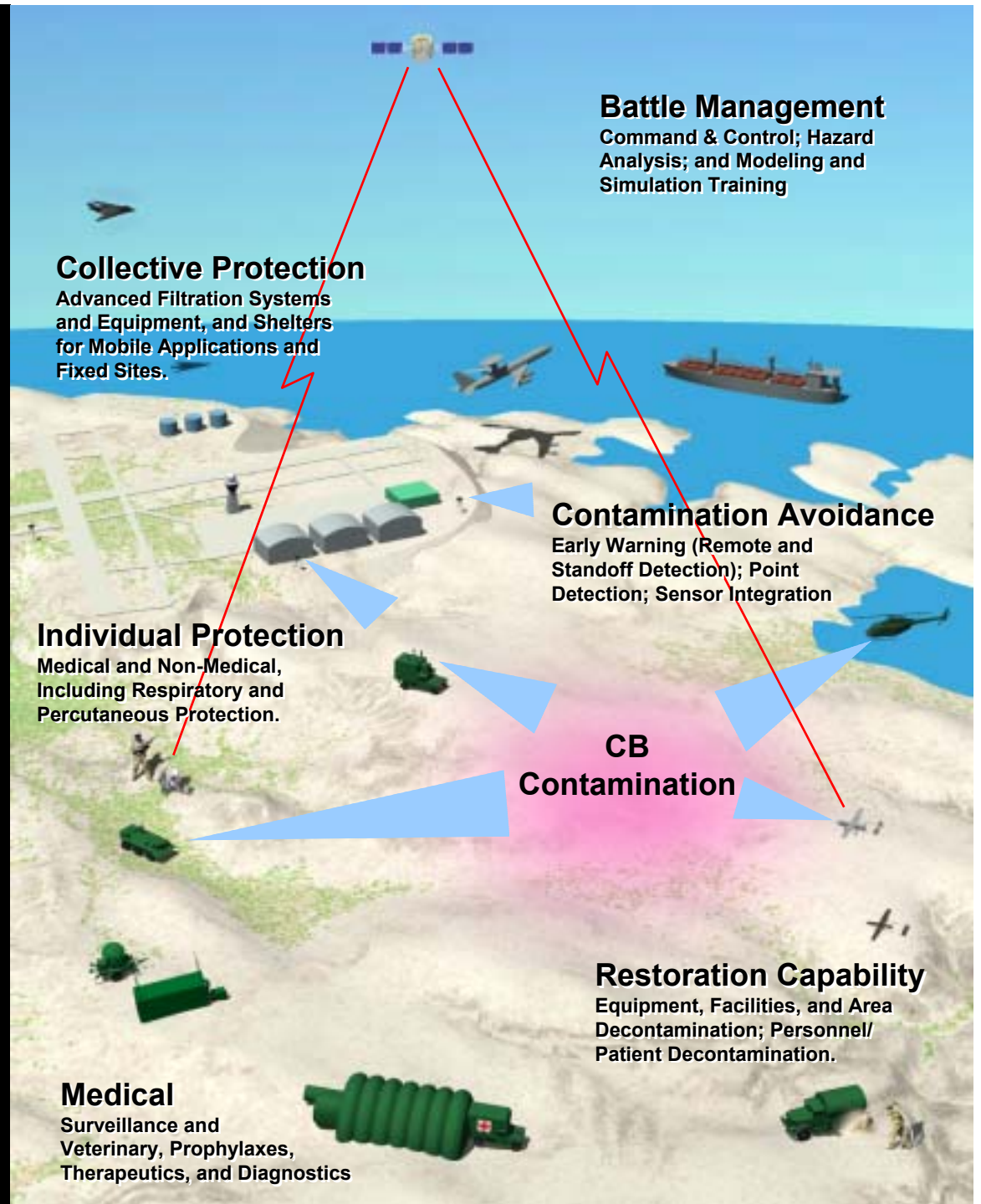
**Development and procurement progress made in all areas;
however we continue to invest in robust
S&T and Developmental programs**

DoD CB Defense Concept –

RDA to support the Warfighter

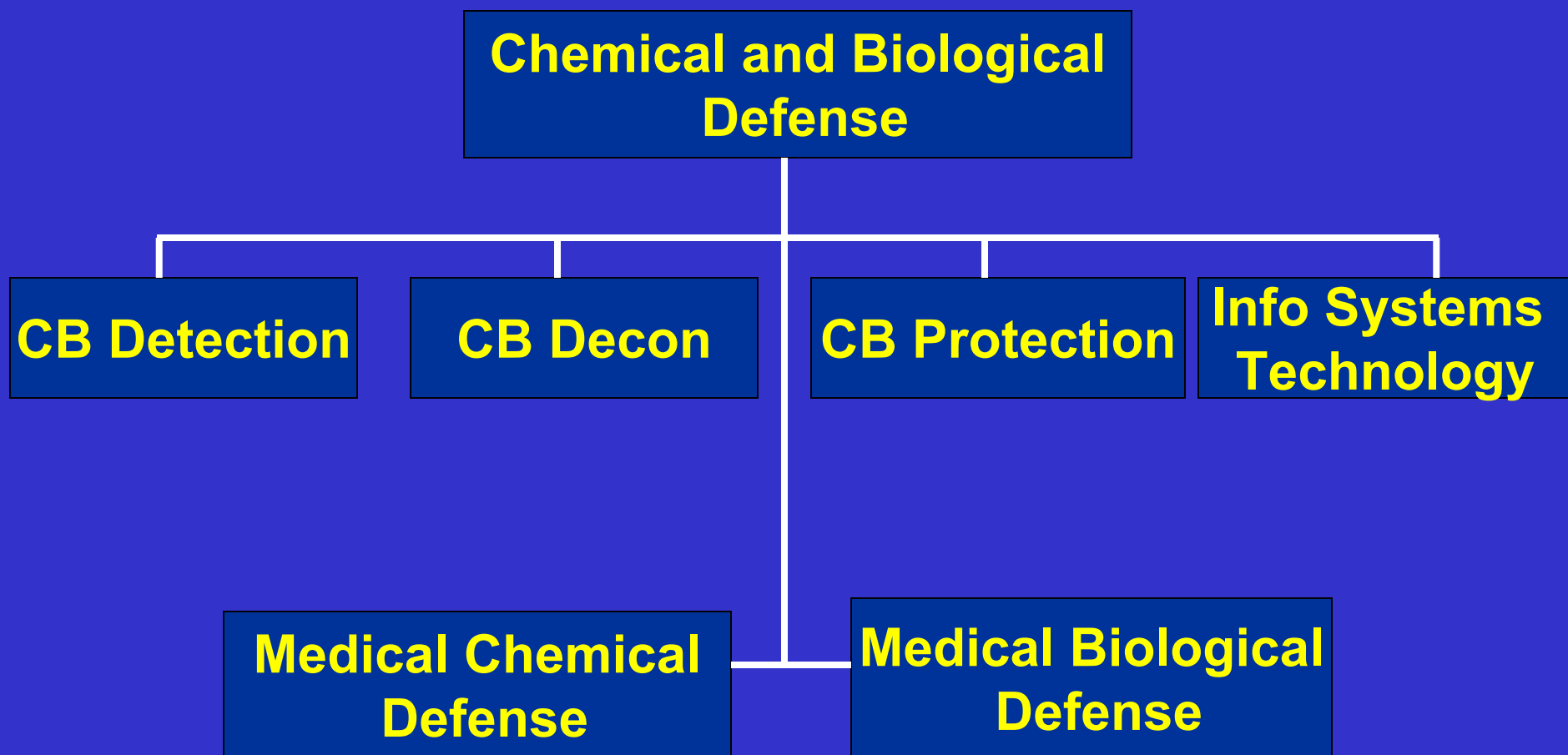
An Integrated Family-of-Systems, including capabilities for:

- *Battle Management*
- *Contamination Avoidance*
- *Individual Protection*
- *Collective Protection*
- *Medical Systems*
- *Restoration*





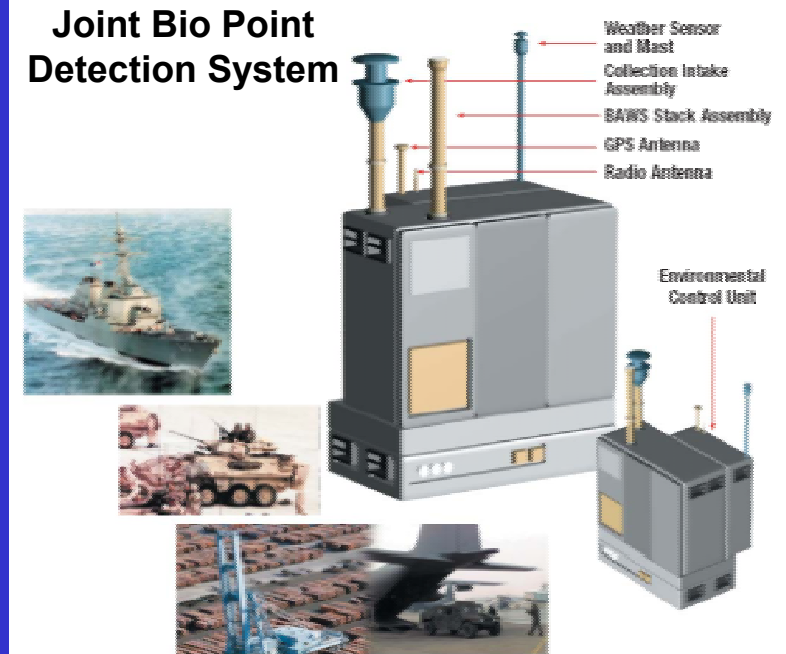
CB Defense Technology Areas





CB Defense Technology Area Goals

Chem/Bio Detection: provide real-time capability to detect, identify, map, quantify, track, and disseminate information on the presence of all CB warfare agents

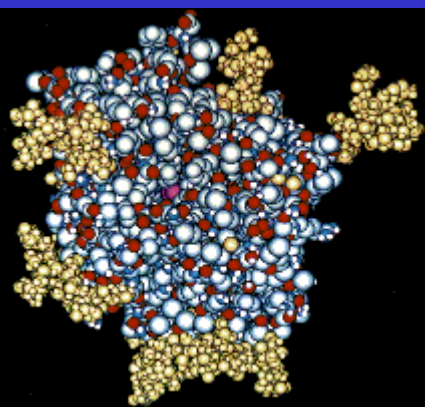


Chem/Bio Protection: Maintain a high level of protection against CB agents while reducing the physiological and logistics burden associated with wearing protective equipment



CB Defense Technology Area Goals

Chem/Bio Decontamination: Develop effective, environmentally safe systems to clean up toxic materials without damaging or affecting the performance of the equipment being decontaminated.



Medical Chemical Defense: Preserve combat effectiveness by timely provision of medical countermeasures in response to joint service CW defense requirements.



CB Defense Technology Area Goals

Medical Biological Defense:

Ensure the sustained effectiveness of U.S. forces in a BW environment.



CB Modeling and Simulation: Support development of:



- (1) tactical decision aids that provide situational awareness and aid command evaluations; and
- (2) realistic constructive and virtual simulations of the CB battlefield environment

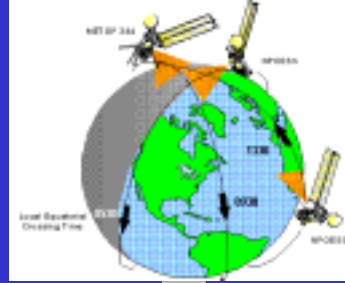
S&T Requires Strong Partnerships

Link to the Warfighter



Service Labs

Expanded Resource Base



Interagency

New Ideas, Knowledge

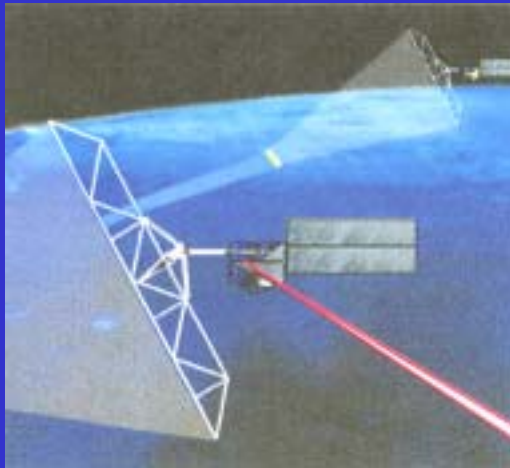


Universities

Maximum National Security Payoff

Industries

DARPA



High Risk, High Payoff

International



Coalition Capability



Innovation, Transition



Summary

- **Chem/Bio Defense Science and Technology base develops technologies:**
 - **To counter the threat of CB weapons**
 - **To ensure the safety and mission effectiveness of US forces operating within a contaminated environment**
- **Support for Chem/Bio Defense Program is crucial in the global war on terrorism and Operation IRAQI FREEDOM**



Conclusion

- **Your efforts are critical** to the successful research and development of technologies to enhance the chemical and biological defense posture of our great nation.
- Maintaining and developing a highly trained chemical and biological defense workforce and working closely with industry is critical to supporting DoD needs.