

DEFENSE THREAT REDUCTION AGENCY



Making the World Safer

DOD Advance Planning Briefing to Industry

8 Apr 03

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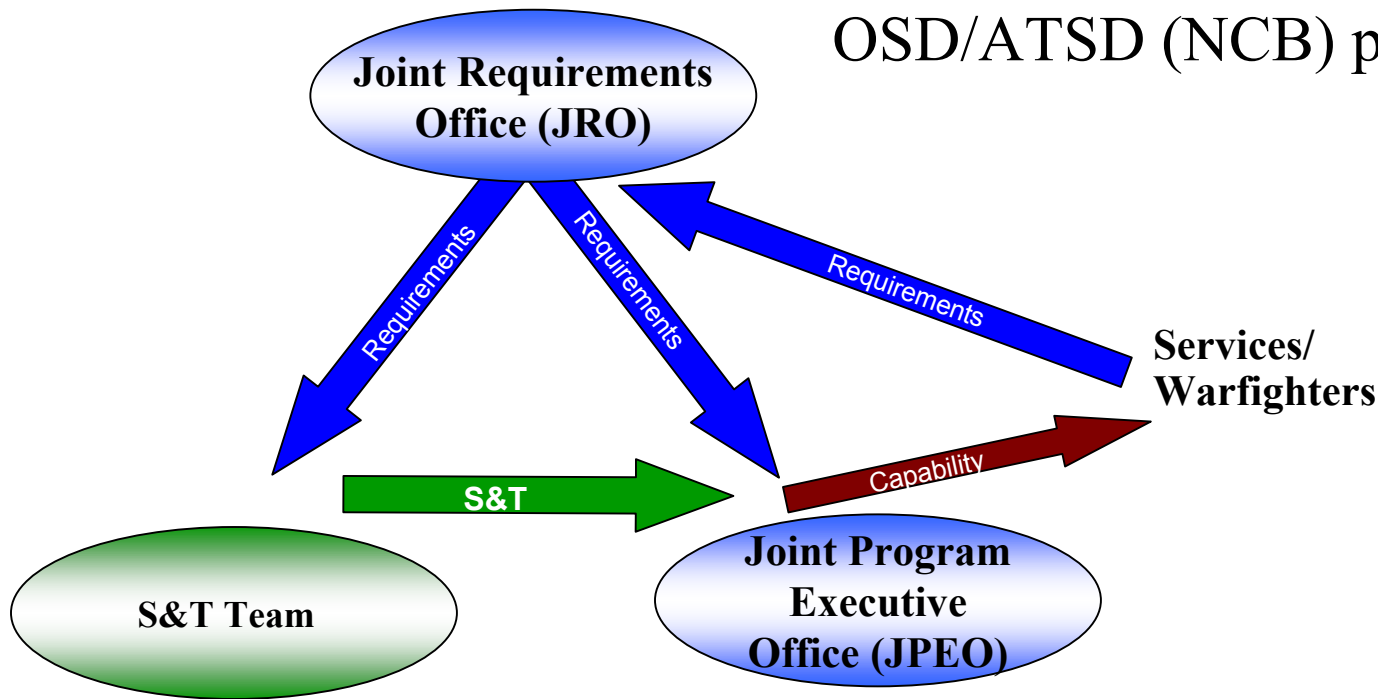
OSD Memo expands DTRA role in CBDP

- 19 Sep 02 - USD (AT&L) Acquisition Decision Memorandum
 - "... **significant changes** are required in management of the DoD CBDP"
 - "The current environment demands a CBDP that is **visionary**, able to quickly respond to warfighter and national security needs, and streamlined with **authority** and **accountability** vested in specific individuals."
- Awaiting signature of the Implementation Plan
 - Establishes the Joint Requirements Office in Joint Staff
 - **Makes DTRA responsible for S&T and Financial Management**
 - Establishes the Joint Program Executive Office in the Army



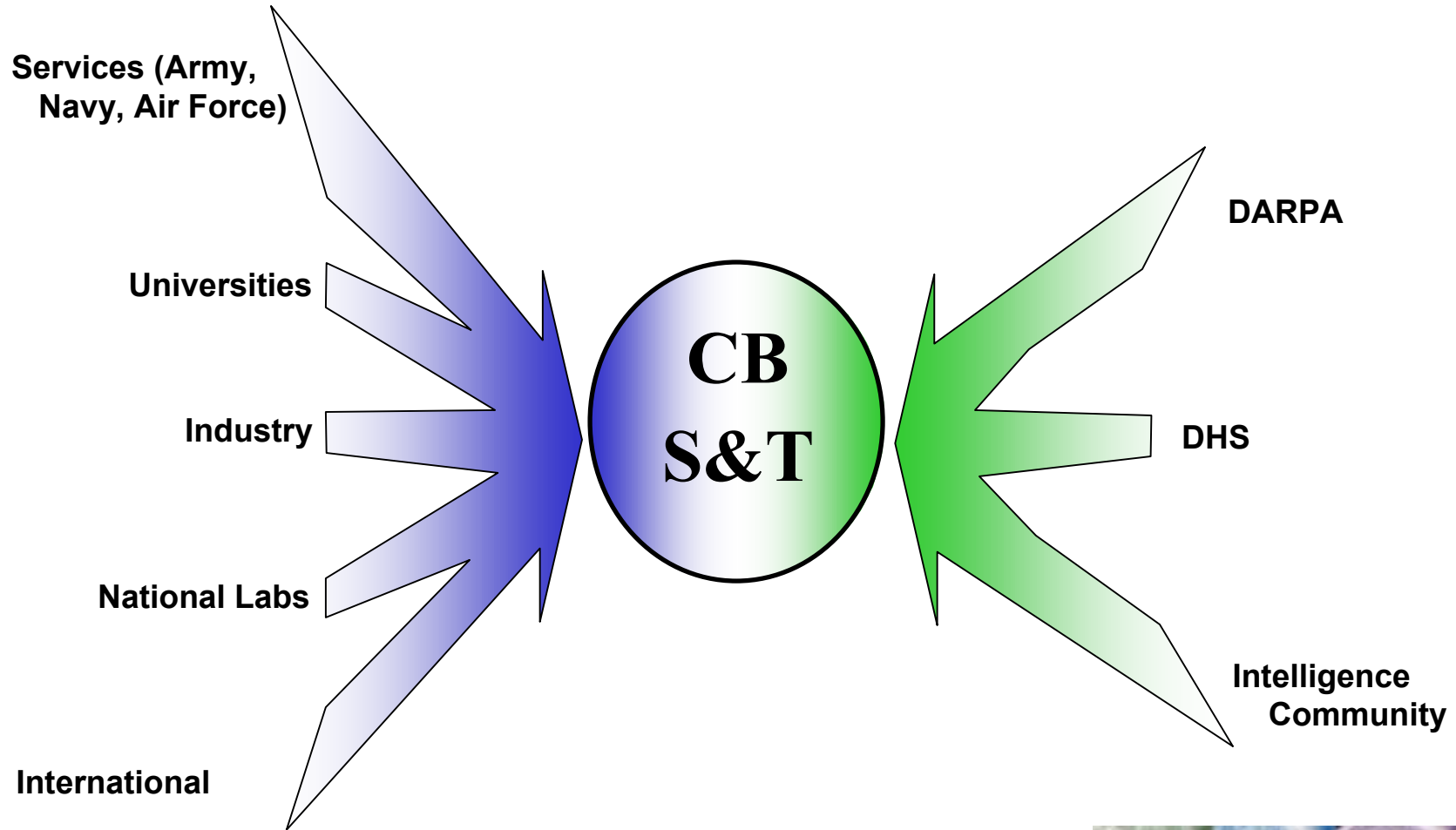
S&T Team is an integral member of the CBDP Team

OSD/ATSD (NCB) provides oversight



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The S&T Team will provide the community's best products



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The CB S&T Team will

- Have a vision for the S&T program
- Use a systems approach
 - Based on warfighter requirements
 - Driven by top down process
 - Focused on transitioning capability
- Empower individuals - avoid committees
- Encourage and reward innovation

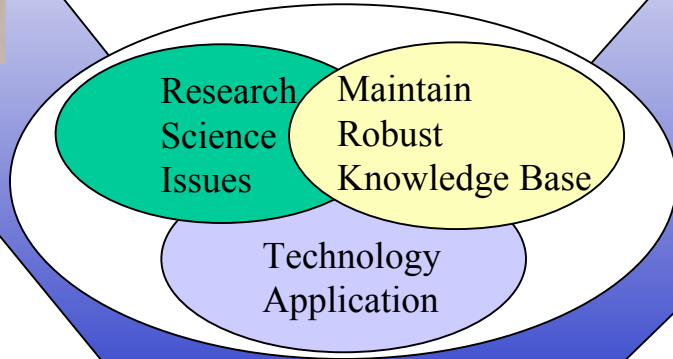


CB S&T will be an integrated program

**Medical
S&T**



**Non-
Medical
S&T**

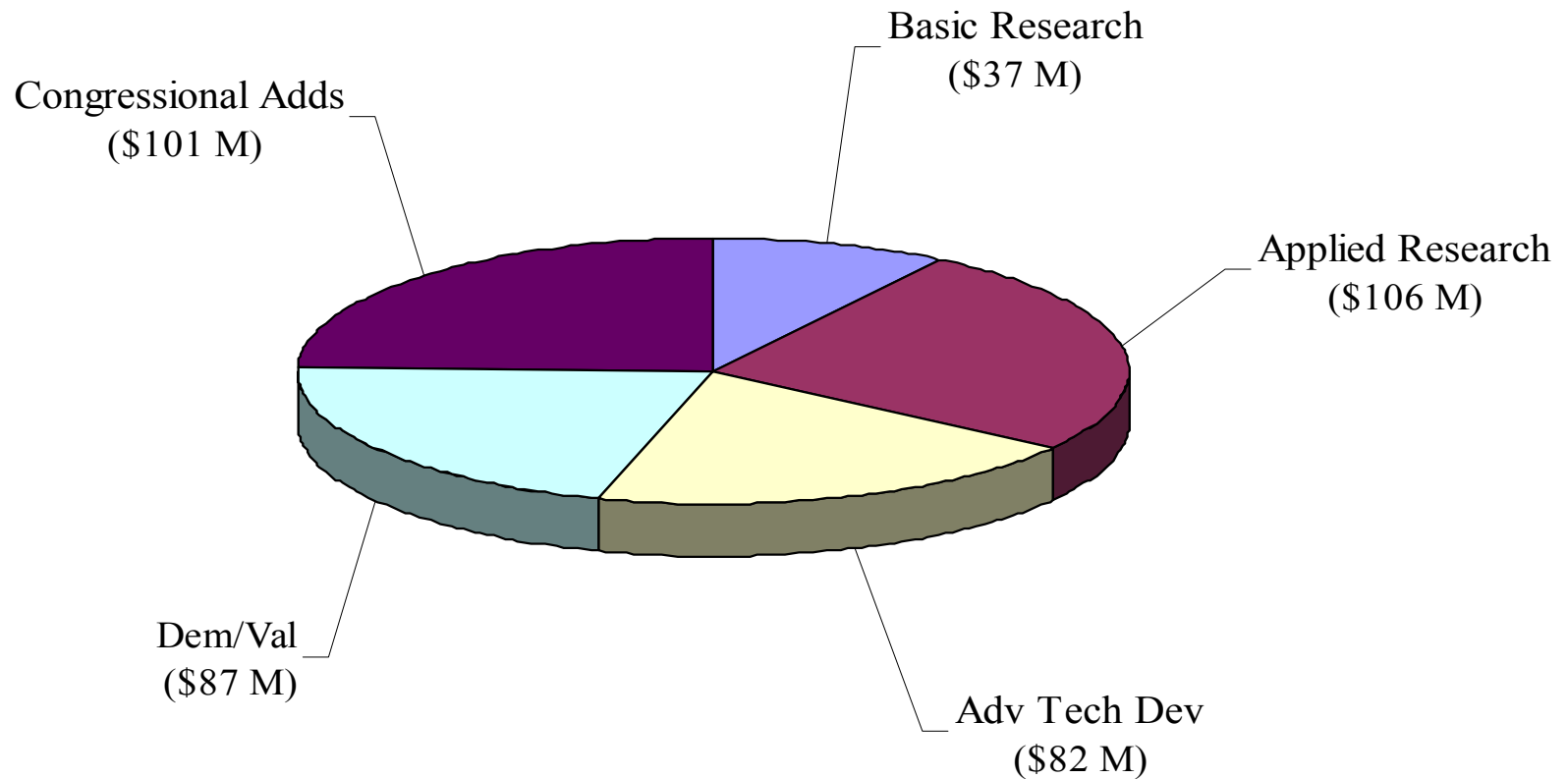


TRANSITION



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DOD is making a large investment in CB S&T



Source: FY03 President's Budget



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Demonstration Projects help Transition Products to the Warfighter

**Large-Frame
Aircraft Decon**



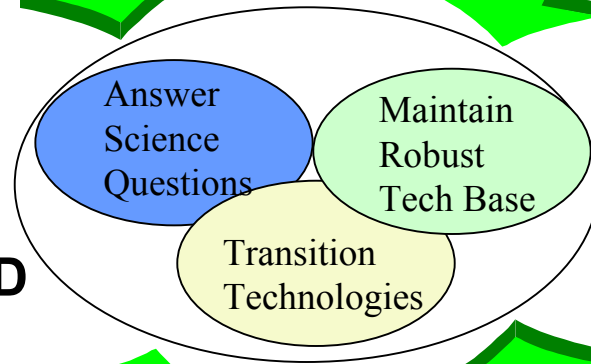
RESTOPS ACTD



CASPOD ACTD



**Joint Service Installation
Pilot Project**



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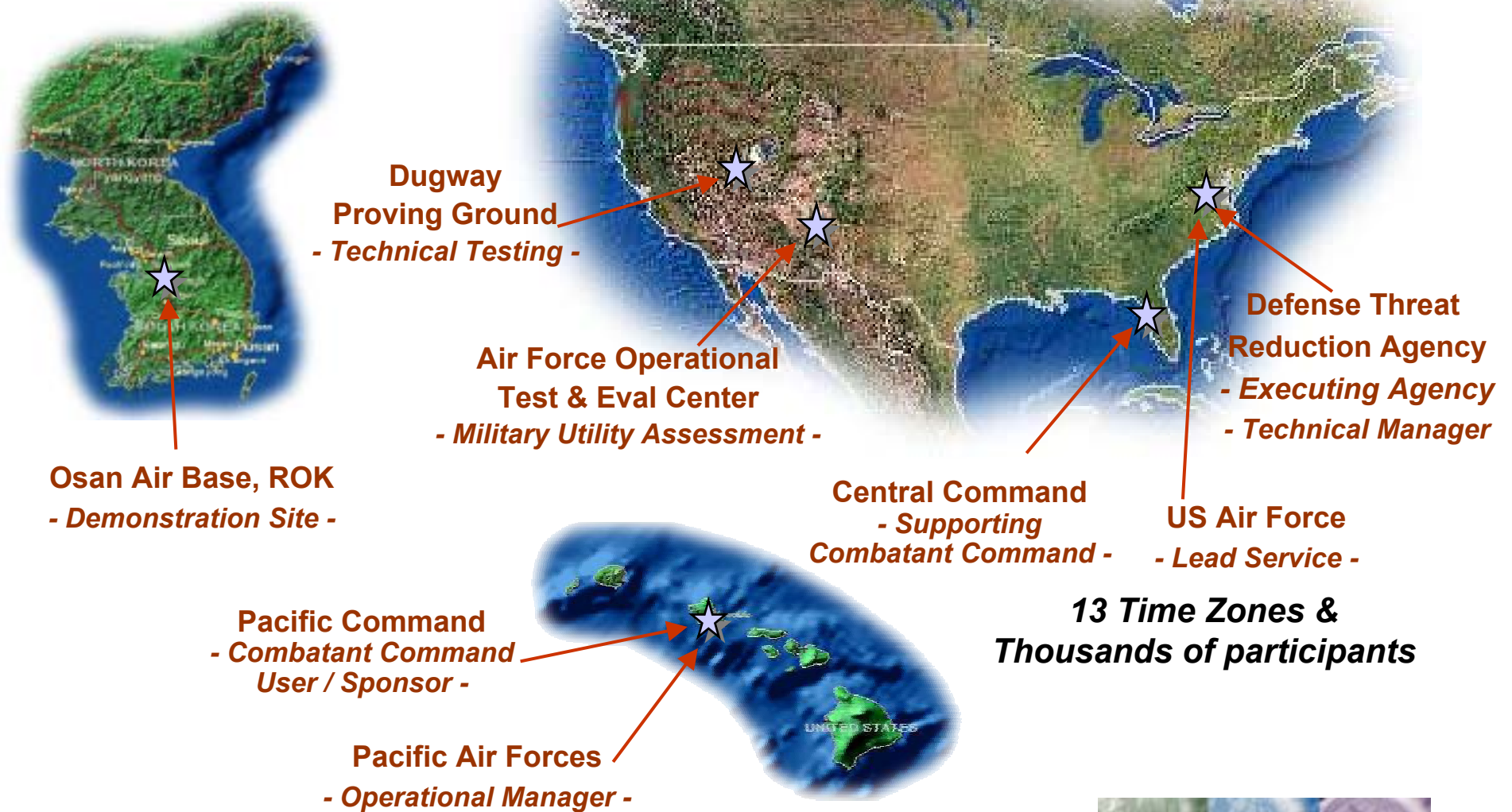
Restoration of Operations (RestOps) identified CB Defense opportunities

- Demonstrated **tools and technologies** to mitigate effects of chem/bio attack on fixed site to support war plans
- Demonstrated **concept of operations and tactics, techniques and procedures** for restoring operations at fixed sites
- Incorporated lessons learned into Joint and Service **doctrine**
- Identified potential improvements in US **policy** for RestOps contingencies both inside and outside the continental United States

Mitigate fixed site CB vulnerability, restore critical operations to minimize impact on the warfighter



RestOps brought numerous organizations to the warfighter



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RestOps concluded with a major demonstration

- Conducted world-wide search - 170 possible CB Defense technologies identified
- Downselected and tested 57 CB technologies against live agent
- Conducted Exercise to establish baseline (Jan 01)
- Conducted 5 exercise vignettes; married 24 technologies with user and CONOPS (Summer 02)
- Conducted final demo (6,300 personnel) at Osan AFB and assessed 14 technologies and 4 CONOPS (Feb 03)



Decontamination of aircraft is integral to CONOPS

Large Frame Aircraft Decontamination Demonstration (LFADD) Concept

- Use current Concept of Operations (CONOPS)
 - 1 hour weathering period after exposure
 - 2 hour flight at 10,000 feet altitude
 - Decontamination procedures conducted in MOPP
- Evaluate five decontamination events
 - 5% Bleach
 - DF-100 (foam only one side, scrubbed on other)
 - DF-100 (same as above on the other half)
 - Hot soapy water
 - Thickened simulant event



CASPOD's an even more difficult CB Defense challenge

Challenge for Contamination Avoidance at Sea Ports of Debarkation (CASPOD) ACTD:

To minimize degradation to operational tempo & force flow resulting from CB attack during **vulnerable initial force deployment** period of contingency operations at sea ports of debarkation



Typical Fixed Sites

- Mature theater
- US controlled installation
- US Military Presence
- CBD Equipment in-place
- Robust C² Infrastructure
- Established CONOPS, TTPs
- Established Command Relationships

Majority of SPODs

- Immature Theater
- Foreign owned / controlled facility
- No US Military Presence
- No CBD Equipment in-place
- No C² Infrastructure
- Ill-defined CONOPS, TTPs
- Ill-defined Command Relationships



JSIPP provides a pilot project

- The Joint Service Installation Pilot Project (JSIPP) will:
 - Assess and establish CBRNE defense baseline for nine diverse DoD installations
 - Conduct exercise and evaluate solutions
 - Assist Services in providing installation CBRNE defense requirements recommendations to the Joint Requirements Office
 - Provide input/recommendations to larger DoD Installation Protection Program



The CB S&T team will

- Employ a systems approach
- Integrate medical and non-medical programs
- Encourage and reward innovation
- Transition technologies out of S&T

