

**BRAC 2005**  
**Technical Joint Cross-Service Group (TJCSG)**  
**Meeting Minutes of 3 February 2005**

Dr. Segal chaired the meeting. The agenda is enclosed in attachment 1. The list of attendees is enclosed in attachment 2. Read ahead materials for the meeting are enclosed in attachment 3. The primary objective for the meeting was to review the impediments to the COBRA runs for each of the subgroups and approve assumptions or additional actions to ensure timely completion of the scenario analysis. Also, the TJCSG was to review the TJCSG candidate recommendations briefing for TECH-0040 to be presented to the ISG on 4 February 2005. The agenda topics are listed below in the order in which they were covered. The key points, decisions and action items from the meeting are as follows:

TJCSG Candidate Recommendations Briefing Review for the 4 February 2005 ISG Meeting – Mr. Shaffer

**Key Points:**

- The Medical JCSG is vacating space in Bethesda. This space would be suitable for TECH-0040 and would allow the MILCON requirement, which currently exists for the Anacostia option, to be eliminated.

**Decisions:**

- The TJCSG approved looking at a Bethesda excursion for TECH-0040.
- The title will be changed from “Consolidate” to “Collocate”.
- Chart #7, 1<sup>st</sup> bullet, change “consist” to “consists”.
- Chart #8, 3<sup>rd</sup> bullet, 2<sup>nd</sup> sub-bullet, “proper” is misspelled.

TECH-0020 Candidate Recommendation Package Review – Dr. Berry

**Key Points:**

- TECH-0020 will go forward as a candidate recommendation to the ISG on Friday, 11 February 2005.
- Criterion 8 review is complete.
- The recommendation was made to change the title to Joint Meteorological and Oceanography Center.

**Decisions:**

- The TJCSG decided to change the title of TECH-0020 to Joint Meteorological and Oceanography Center.

- Dr. Berry will provide a point paper to the TJCSG explaining the details of TECH-0020 by COB Monday, 7 February 2005. The point paper will include:
  1. Why we want to do the action
  2. What the savings are, i.e. elimination of billets, etc.
  3. Whether the recommendation enables a closure of an installation.

TECH-0032 Candidate Recommendation Package Review – Dr. Berry

**Key Points:**

- TECH-0032 will go forward as a candidate recommendation to the ISG on Friday, 11 February 2005.

**Decisions:**

- Dr. Berry will provide a point paper to the TJCSG explaining the details of TECH-0032 by COB Monday, 7 February 2005. The point paper will include:
  1. Why we want to do the action
  2. What the savings are, i.e. elimination of billets, etc.
  3. Whether the recommendation enables a closure of an installation.

TECH-0047 Candidate Recommendation Package Review – Mr. Mleziva

**Key Points:**

- TECH-0047 will go forward as a candidate recommendation to the ISG on Friday, 11 February 2005.

**Decisions:**

- Mr. Mleziva will provide a point paper to the TJCSG explaining the details of TECH-0047 by COB Monday, 7 February 2005. The point paper will include:
  1. Why we want to do the action
  2. What the savings are, i.e. elimination of billets, etc.
  3. Whether the recommendation enables a closure of an installation.
- Need to add information on how this scenario supports the Homeland Security policy spelled out in Transformation Through Base Realignment and Closure Policy Memorandum Five in the quad chart.

TECH-0054 Candidate Recommendation Package Review – Mr. Mleziva

**Key Points:**

- TECH-0054 will go forward as a candidate recommendation to the ISG on Friday, 11 February 2005

**Decisions:**

- Mr. Mleziva will provide a point paper to the TJCSG explaining the details of TECH-0054 by COB Monday, 7 February 2005. The point paper will include:
  1. Why we want to do the action
  2. What the savings are, i.e. elimination of billets, etc.
  3. Whether the recommendation enables a closure of an installation.
- Ms. Felix will prepare all future ISG Candidate Recommendation Briefings.

TECH-0009 Update – Dr. Schuette

**Key Points:**

- TECH-0009 will be ready to go forward as a candidate recommendation to the ISG on 18 February 2005.

**Decisions:**

- None

TECH-0013 Update – Mr. Mathes

**Key Points:**

- TECH-0013 will be ready to go forward as a candidate recommendation to the ISG on 18 February 2005.
- Mr. Mathes presented COBRA assumptions for TECH-0013.

**Decisions:**

- The TJCSG directed the ALSS Subgroup Lead and Army and Marine Principals to meet further to decide if they agree with the assumptions as presented. The other TJCSG Principals agreed with the assumptions as presented and agreed to go forward with whatever final assumptions are agreed to between the Army and Marine Principals.

TECH-0031 Update – Mr. Mathes

**Key Points:**

- The MILCON costs associated with TECH-0031 are so high the scenario never pays off. Therefore, the ALSS subgroup and the Navy recommend this scenario be terminated.

**Decisions:**

- The TJCSG directed the ALSS subgroup to re-run COBRA with the TJCSG standard assumptions. If the results do not improve significantly, the scenario will be made inactive.

AF-0110, Realign Human Systems D&A – Dr. Stewart

**Key Points:**

- This scenario was previously remanded to the Air Force. However, it was remanded prior to the TJCSG assigning TECH number to the TJCSG scenarios. Therefore it has an Air Force number assigned to it.
- This scenario will enable the closure of Brooks City Base which is essentially a move out of leased space.
- The COBRA run will be completed next week.

**Decisions:**

- The TJCSG will brief the ISG when the candidate recommendation package is complete. The TJCSG will work to be ready to brief the ISG on 25 February 2005.

TECH-0028 – COL Hamm

**Key Points:**

- This is a Navy remanded scenario.
- This scenario shows no pay off.

**Decisions:**

- None

Army Remanded Scenarios, TECH-0045/TECH-0045'/TECH-0048 – Mr. Simmons

**Key Points:**

- TECH-0045 needs to have COBRA run.
- TECH-0045' pays back in 8 years.
- TECH-0048 pays back in 25 years.
- The Army would like to terminate all three scenarios.

### **Decisions**

- The TJCSG requested the Army to proceed with TECH-0045' to decide whether to make it a candidate recommendation or to terminate it. This will be discussed at the Monday, 7 February 2005, TJCSG Meeting.

### Army Remanded Scenarios, TECH-0035/TECH-0050/TECH-0051/TECH-0052/TECH-0053 – Dr.Rohde

#### **Key Points:**

- TECH-0035 pays back in 5 years.
- TECH-0050 pays back in 4 years.
- TECH-0051 needs to run COBRA.
- TECH-0052 pays back in 13 years.
- TECH-0053 pays back in >100 years.

### **Decisions**

- None

### Weapons and Armaments Subgroup Scenario Update – Dr. Higgins

#### **Key Points:**

- Dr. Higgins presented COBRA assumptions to remove Watervliet from the scenarios and to remove MARCORSYSCOM and MCOTEA at Quantico from TECH-0002 and TECH-0018.
- Dr. Higgins requested to reduce contractor support by 15% for all contractors. In cases where a wide disparity >15% between FY03 FTEs and those reported to be moved in scenario, she requested to use FY03 data, with prorating for contractor/government mix.
- Dr. Higgins requested to modify TECH-0017.

### **Decisions**

- The TJCSG agreed to removing Watervliet and MARCORSYSCOM and MCOTEA at Quantico from all W&A scenarios.
- The TJCSG requested the W&A Subgroup to run COBRA with a 15% reduction in MDA contractor support. The TJCSG also requested the Subgroup to run COBRA with a 15% reduction in the ATCOB personnel reported, which is consistent with the other subgroups.
- The TJCSG agreed to have the W&A Subgroup modify TECH-0017 to:
  1. Delete the move of Louisville to Picatinny.
  2. Move Louisville to Watervliet.

# **3 Feb 05 TJCSG**

## **AGENDA**

**Pentagon, Rm 4E987**

**1400-1600 hrs EST**

- Candidate Recommendation Briefing for 4 Feb 05 ISG Meeting – Mr. Shaffer
- Review Draft Candidate Recommendation Packages
  - TECH-0032 – Dr. Berry                      TECH-0020 – Dr. Berry
  - TECH-0047 – Mr. Mleziva                TECH-0054 – Mr. Mleziva
- Scenario Updates
  - TECH-0009 – Dr. Schutte                TECH-0013 – Mr. Mathes
  - TECH-0031 – Mr. Mathes                Parts of TECH-0008/ – Mr. Mleziva
- Service Remanded Scenarios
- COBRA Run Reviews
  - W&A – Dr. Higgins
  - C4ISR – Mr. Mleziva
  - ALSS – Mr. Mathes
- Brain Book – Col Evans / Mr. Shaffer

February 3, 2005

BRAC FOUO

Today's TJCSG daily teleconference call is cancelled.

The next TJCSG Meeting will take place on Monday, 7 February 2005, from 1100-1300 hrs EST, in Crystal City, PT-1, Rm 4600.

**Action Items:**

1. The Subgroup Leads will provide point papers to the TJCSG explaining the details of TECH-0054, TECH-0020, TECH-0032, and TECH-0047 by COB Monday, 7 February 2005. The point papers will include:
  1. Why we want to do the action
  2. What the savings are, i.e. elimination of billets, etc.
  3. Whether the recommendation enables a closure of an installation.
2. The ALSS Subgroup Lead and Army and Marine Principals will meet further to finalize the assumptions for TECH-0013.
3. The ALSS subgroup will re-run COBRA for TECH-0031 with the TJCSG standard assumptions. If the results do not improve significantly, the scenario will be made inactive.
4. The Army will complete the COBRA run for TECH-0045' to decide whether to make it a candidate recommendation or to terminate it. This will be discussed at the Monday, 7 February 2005, TJCSG Meeting.

Approved: \_\_\_\_\_



Mr. Al Shaffer  
Chairman, Capabilities Integration Team

**Attachments:**

1. Outline -Agenda
2. List of Attendees
3. Read Ahead Materials

**Attachment 2**  
**Technical JCSG Meeting**  
**February 3, 2005**  
**Attendees**

**Members:**

Dr. Ron Sega, Chairman  
Dr. Dan Stewart, Alternate for Mr. Blaise Durante, Air Force  
Mr. Brian Simmons, Army  
Dr. Barry Dillon, Marines  
Mr. George Ryan, Navy Alternate for RADM Jay Cohen, Navy  
Mr. Jay Erb, JCS

**Other:**

Mr. Al Shaffer, CIT Chairman  
Dr. Bob Rohde, Army  
Mr. Don DeYoung, Navy  
Mr. Gary Strack, OSD  
Mr. Roger Florence, DoD IG  
COL Pete DeSalva, Marines  
Mr. Andy Porth, OSD BRAC  
Dr. Jim Short, OSD  
Mr. Thom Mathes, ALSS Subgroup Lead  
Dr. Larry Schuette, Innovative Systems Subgroup Lead  
Dr. Karen Higgins, Weapons and Armaments Subgroup Lead  
Mr. Matt Mleziva, C4ISR Subgroup Lead  
COL Bob Buckstad, OSD  
Mr. Steve Kratzmeier, Army  
COL Walt Hamm, Marines CIT Rep  
Mr. Al Goldstayn, Air Force CIT Rep (via VTC)  
Mr. Jerry Schiefer, OSD BRAC  
Ms. Pam Houghtaling, Navy  
COL Walt Hamm, Marines CIT Rep  
Ms. Marie Felix, OSD  
Dr. Bill Berry, Enabling Technologies Subgroup Lead



# Technical Joint Cross Service Group Candidate Recommendations

Feb 4, 2005

Dr. Ron Segal

Chairman, Technical Joint Cross Service Group

DRAFT DELIBERATIVE DOCUMENT—FOR DISCUSSION PURPOSES ONLY—DO NOT RELEASE UNDER FOIA



## RDAT&E Facilities\*

- 3 Functions
  - Research
  - Development & Acquisition
  - Test & Evaluation
- 173 Technical Facilities
- 157,315 FTEs
- ~ \$130B Annual Funding



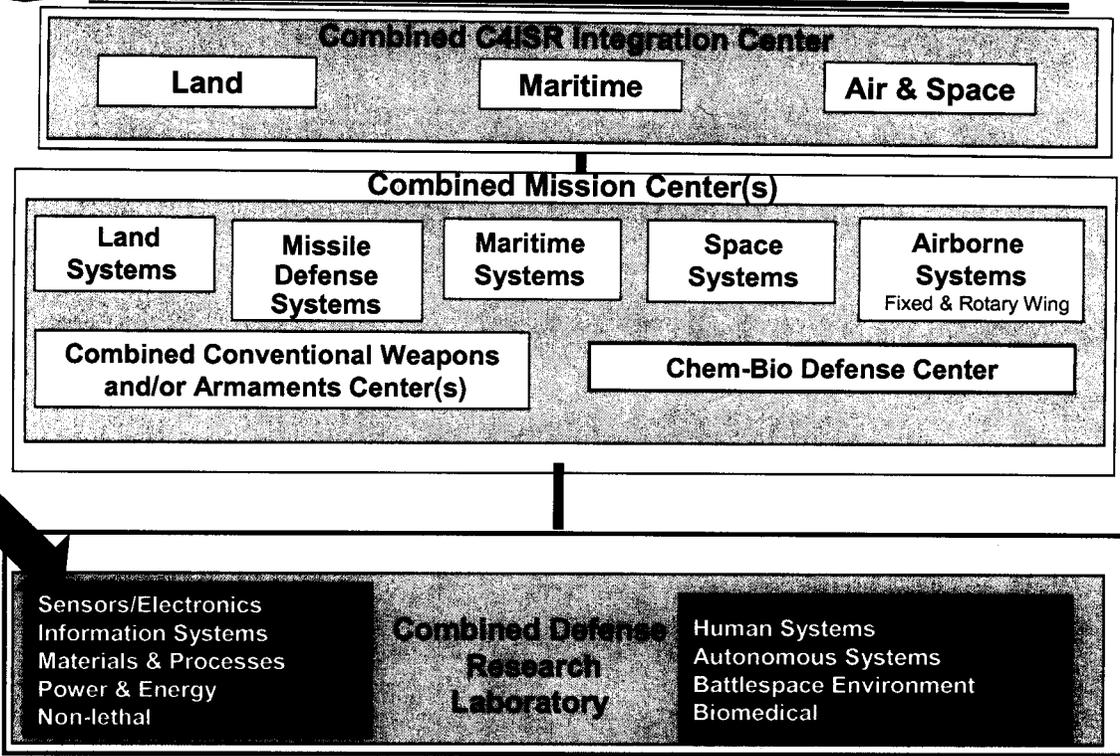
\*With greater than 30 Full time Equivalent personnel

DRAFT DELIBERATIVE DOCUMENT—FOR DISCUSSION PURPOSES ONLY—DO NOT RELEASE UNDER FOIA



# TJCSG Transformational Framework

BRAC FOUO



3

DRAFT DELIBERATIVE DOCUMENT—FOR DISCUSSION PURPOSES ONLY—DO NOT RELEASE UNDER FOIA



# Scenario Families

BRAC FOUO

	FAMILY	SCENARIOS	ISG SCHEDULE
Combined Research Lab	1. Extramural Research	40,	4 Feb
	2. Defense Research Lab	9, 34	18 Feb
	3. Joint Battlespace "Lab"	20	11 Feb
Combined Mission Centers	4. Joint Chem-Bio	32	11 Feb
	5. Ground Platform	13	18 Feb
	6. Air Platform (Fixed)	6	25 Feb
	7. Air Platform (Rotary)	5	25 Feb
	8. Maritime Systems	31	18 Feb
	9. Space Systems	9	18 Feb
	10. Weapons Systems	2, 17, 18, 19, 28, 43, 44	25 Feb
	11. Energetic Materials	2, 18, 19, 43	18 Feb
	12. Guns and Ammo	17, 44	18 Feb
	13. Combined C4ISR	8, 42, 47, 54	8 or 42 - 25 Feb 47 and 54 - 11 Feb

4

DRAFT DELIBERATIVE DOCUMENT—FOR DISCUSSION PURPOSES ONLY—DO NOT RELEASE UNDER FOIA



# Tech-0040 Consolidate Extramural Research Program Managers to NAS Anacostia

BRAC FOUO

Candidate Recommendation: Close the Office of Naval Research, Arlington, VA; the Air Force Office of Scientific Research, Arlington, VA; the Army Research Offices, Durham, NC, Fort Belvoir, VA, and Arlington, VA; and the Defense Advanced Research Project Agency, Arlington, VA. Relocate all functions to Anacostia Annex, Washington, DC. Realign the Defense Threat Reduction Agency Eisenhower Avenue facility, Alexandria, VA, by relocating the Extramural Research Program Management function to Anacostia Annex, Washington, DC.

<p><b>Justification</b></p> <ul style="list-style-type: none"> <li>• Foster coordination among extramural research activities</li> <li>• Enhance force protection</li> <li>• Vacate Leased Space in National Capital Region</li> <li>• Form a major element of the Defense Research Laboratory</li> </ul>	<p><b>Military Value</b></p> <ul style="list-style-type: none"> <li>• DARPA and ONR had higher quantitative MV scores than Anacostia, but both are in unprotected leased space .</li> <li>• Military judgment said quantitative scores high because of research managers co-location.</li> <li>• Anacostia provides highest overall MV because of enhanced force protection, accessibility to Pentagon and Capital Hill by metro, and quality of buildings.</li> </ul>
<p><b>Payback</b></p> <ul style="list-style-type: none"> <li>• One-time cost: \$104.5M</li> <li>• Net implementation savings: \$110.4M</li> <li>• Annual recurring savings: \$52.3M</li> <li>• Payback time: 1 year</li> <li>• NPV (savings): \$583.2M</li> </ul>	<p><b>Impacts</b></p> <ul style="list-style-type: none"> <li>• Criteria 6: -191 jobs (121 direct, 70 indirect); &lt; 0.1%</li> <li>• Criteria 7: No issues</li> <li>• Criteria 8: No impediments</li> </ul>

- ✓ Strategy
- ✓ Capacity Analysis / Data Verification
- ✓ JCSG/MilDep Recommended
- ✓ De-conflicted w/JCSGs
- ✓ COBRA
- ✓ Military Value Analysis / Data Verification
- ✓ Criteria 6-8 Analysis
- ✓ De-conflicted w/MilDeps

DRAFT DELIBERATIVE DOCUMENT—FOR DISCUSSION PURPOSES ONLY—DO NOT RELEASE UNDER FOIA



# TECH 40 Consolidate Extramural Research Program Managers to NAS Anacostia

BRAC FOUO

Donors are:

- Army Research Office (Raleigh/Durham NC)
- Army Research Office (Ft. Belvoir)
- Army Research Office (Arlington)
- Office of Naval Research (Arlington)
- Air Force Office of Scientific Research (Arlington)
- Defense Advanced Research Projects Agency (Arlington)
- Extramural Managers Defense Threat Reduction Agency (Alexandria)

★ Gain (1)  
● Donor (7)

DRAFT DELIBERATIVE DOCUMENT—FOR DISCUSSION PURPOSES ONLY—DO NOT RELEASE UNDER FOIA



## TECH-0040 – Summary

---

- Co-locates research offices that consist predominantly of extramural research (contract with universities / industry)
  - Moves to Anacostia; Near Metro / Pentagon / Capital Hill
- Relocates 2207 billets out of leased space
- Eliminates 111 billets
- One of 3 recommendations that form the Defense Research Lab
  - Extramural Research Program Managers (TECH-0040)
  - Service and Agency Laboratories (Tech 009 or Tech 034)
  - Joint Battlespace Environments (Tech 020)

7

DRAFT DELIBERATIVE DOCUMENT—FOR DISCUSSION PURPOSES ONLY—DO NOT RELEASE UNDER FOIA



## TECH-0040 – Wild Card

---

- Tech 040 (Extramural Research Program Managers) currently builds a new building at NAS Anacostia—and still pays back in 1 year
- Medical JCSG brought forward scenario on 28 Jan vacating 1.1M Square Feet in Bethesda
- Extramural Research Program Managers scenario only requires ~400,000 square feet
  - Could Relocate Extramural Research Managers Office to Bethesda, use only half of vacated space, and pay off in lesser time
  - Still need to run the option with proper time phasing to determine actual costs
  - Bethesda should meet all requirements of recommendation without incurring MILCON
  - TJCSG will finish exploration of option

8

DRAFT DELIBERATIVE DOCUMENT—FOR DISCUSSION PURPOSES ONLY—DO NOT RELEASE UNDER FOIA



---

## Back Up Charts

9

DRAFT DELIBERATIVE DOCUMENT—FOR DISCUSSION PURPOSES ONLY—DO NOT RELEASE UNDER FOIA



---

## Definitions and Terms

- Technical Facility - a collection of people and physical infrastructure that performs technical Function in a specific technical capability area at a specific location.
- Family of Scenarios – Scenarios that address the same technical end state at different locations.
- Full Time Equivalent (FTE) – based on 2087 hour work year

10

DRAFT DELIBERATIVE DOCUMENT—FOR DISCUSSION PURPOSES ONLY—DO NOT RELEASE UNDER FOIA



**TECH 40**

**BRAC FOUO**

**Consolidate Extramural Research Program Managers to NAS Anacostia - MilVal**

---

**Air Platforms Research**

Air Platforms Research	45433 USAF, Wright-Patterson AFB, Research	0.6556
Air Platforms Research	20670 USN, USN_8_Pax, Research	0.5180
Air Platforms Research	20375 USN, Naval Research Laboratory Washington DC, Researc	0.3108
Air Platforms Research	22203 DARPA, DARPA, Research	0.2441
Air Platforms Research	23604 USA, FORT EUSTIS, Research	0.2378
Air Platforms Research	08733 USN, NAVAIRWARCENACDIV Lakehurst, Research	0.2333
Air Platforms Research	22217 USN, OFFICE OF NAVAL RESEARCH, Research	0.2011
Air Platforms Research	44135 USA, ADELPHI LABORATORY CENTER CLEVELAND, Re	0.1667
Air Platforms Research	37388 USAF, Arnold AFS, Research	0.1604
Air Platforms Research	23681 USA, USA_2_Hampton, Research	0.1578
Air Platforms Research	22210 USAF, AFOSR, Research	0.1341
Air Platforms Research	94035 USA, REDSTONE ARSENAL Moffett Field, Research	0.1258
Air Platforms Research	35898 USA, REDSTONE ARSENAL, Research	0.0977



**TECH 40**

**BRAC FOUO**

**Consolidate Extramural Research Program Managers to NAS Anacostia - MilVal**

---

**Battlespace Environments Research**

Battlespace Environments Research	20375 USN, Naval Research Laboratory Washington DC, Researc	0.8189
Battlespace Environments Research	39529 USN, NRL Detachment Stennis Space Ctr, Research	0.5133
Battlespace Environments Research	93943 USN, NAVPGSCOL_MONTEREY_CA, Research	0.3662
Battlespace Environments Research	22217 USN, OFFICE OF NAVAL RESEARCH, Research	0.2633
Battlespace Environments Research	20670 USN, USN_8_Pax, Research	0.1894
Battlespace Environments Research	88002 USA, WHITE SANDS MISSILE RANGE, Research	0.1836
Battlespace Environments Research	20783 USA, ADELPHI LABORATORY CENTER, Research	0.1787
Battlespace Environments Research	01731 USAF, Hanscom AFB, Research	0.0658



**TECH 40**  
**Consolidate Extramural Research Program Managers to NAS**  
**Anacostia - MilVal**

**BRAC FOUO**

<b>Biomedical Research</b>			
Biomedical Research	21702 USA,	FORT DETRICK, Research	0.4622
Biomedical Research	96718 USA,	TRIPLER ARMY MEDICAL CENTER Pohakuloa, Res	0.3979
Biomedical Research	96857 USA,	Schofield Barracks, Research	0.3979
Biomedical Research	01760 USA,	SOLDIER SYSTEMS CENTER, Research	0.3916
Biomedical Research	78234 USA,	FT SAM HOUSTON, Research	0.2460
Biomedical Research	22217 USN,	OFFICE OF NAVAL RESEARCH, Research	0.2448
Biomedical Research	20910 USN,	NAVMEDRSCHCEN_SILVER_SPRING_MD, Resear	0.1783
Biomedical Research	36362 USA,	FORT RUCKER, Research	0.1716
Biomedical Research	92186 USN,	NAVHLTHRSCHCEN_SAN_DIEGO_CA SAN DIEGO,	0.1695
Biomedical Research	32407 USN,	USN_2_Pannama City, Research	0.1514
Biomedical Research	78235 USA,	WALTER REED ARMY MEDICAL CENTER SAN ANTIC	0.1128



**TECH 40**  
**Consolidate Extramural Research Program Managers to NAS**  
**Anacostia - MilVal**

**BRAC FOUO**

<b>Chemical Biological Defense Research</b>			
Chemical Biological Defense Resear	21005 USA,	ABERDEEN PROVING GROUND, Research	0.5890
Chemical Biological Defense Resear	21702 USA,	FORT DETRICK, Research	0.4690
Chemical Biological Defense Resear	22203 DARPA,	DARPA, Research	0.3252
Chemical Biological Defense Resear	22448 USN,	NAVSURFWARCENDIV_DAHLGREN_VA, Research	0.2761
Chemical Biological Defense Resear	22060 DTRA,	National Capital Element DTRA, Research	0.1579
Chemical Biological Defense Resear	20910 USN,	NAVMEDRSCHCEN_SILVER_SPRING_MD, Research	0.1217



TECH 40

BRAC FOUO

**Consolidate Extramural Research Program Managers to NAS Anacostia - MiVal**

**Ground Vehicles Research**

Ground Vehicles Research	48397 USA, DETROIT ARSENAL, Research	0.7225
Ground Vehicles Research	21005 USA, ABERDEEN PROVING GROUND, Research	0.3505
Ground Vehicles Research	22203 DARPA, DARPA, Research	0.2304
Ground Vehicles Research	85365 USA, YUMA PROVING GROUND, Research	0.1176



TECH 40

BRAC FOUO

**Consolidate Extramural Research Program Managers to NAS Anacostia - MiVal**

**Human Systems Research**

Human Systems Research	01760 USA, SOLDIER SYSTEMS CENTER, Research	0.6502
Human Systems Research	45433 USAF, Wright-Patterson AFB, Research	0.5101
Human Systems Research	78235 USAF, BROOKS CITY-BASE, Research	0.4240
Human Systems Research	21005 USA, ABERDEEN PROVING GROUND, Research	0.4053
Human Systems Research	85212 USAF, USAF_2_Mesa, Research	0.3243
Human Systems Research	32826 USN, NAVAIRWARCENTRASYS DIV_ORLANDO_FL, Rese	0.3157
Human Systems Research	22217 USN, OFFICE OF NAVAL RESEARCH, Research	0.2580
Human Systems Research	92152 USN, USN_4_San Diego, Research	0.2129
Human Systems Research	40121 USA, FORT KNOX, Research	0.1144



**TECH 40**

**BRAC FOUO**

**Consolidate Extramural Research Program Managers to NAS Anacostia - MilVal**

---

**Information Systems Technology Research**

Information Systems Technology Re: 20375 USN,	Naval Research Laboratory Washington DC,	Research	0.6059
Information Systems Technology Re: 13441 USAF,	Rome Laboratory,	Research	0.6053
Information Systems Technology Re: 07703 USA,	FORT MONMOUTH,	Research	0.4574
Information Systems Technology Re: 93943 USN,	NAVPGSCOL_MONTEREY_CA,	Research	0.3921
Information Systems Technology Re: 22203 DARPA,	DARPA,	Research	0.3826
Information Systems Technology Re: 92152 USN,	USN_4_San Diego,	Research	0.3671
Information Systems Technology Re: 20670 USN,	USN_8_Pax,	Research	0.3336
Information Systems Technology Re: 45433 USAF,	Wright-Patterson AFB,	Research	0.2985
Information Systems Technology Re: 02840 USN,	COMNAVUNSEAWARCEN_NEWPORT_RI,	Research	0.2959
Information Systems Technology Re: 22448 USN,	NAVSURFWARCENDIV_DAHLGREN_VA,	Research	0.2911
Information Systems Technology Re: 21005 USA,	ABERDEEN PROVING GROUND,	Research	0.2864
Information Systems Technology Re: 20783 USA,	ADELPHI LABORATORY CENTER,	Research	0.2563
Information Systems Technology Re: 22217 USN,	OFFICE OF NAVAL RESEARCH,	Research	0.2502
Information Systems Technology Re: 22060 DTRA,	National Capital Element DTRA,	Research	0.2145
Information Systems Technology Re: 22210 USAF,	AFOSR,	Research	0.2069
Information Systems Technology Re: 22060 USA,	FORT BELVOIR,	Research	0.0744



**TECH 40**

**BRAC FOUO**

**Consolidate Extramural Research Program Managers to NAS Anacostia - MilVal**

---

**Materials and Processes Research**

Materials and Processes Research	20375 USN,	Naval Research Laboratory Washington DC,	Research	0.8508
Materials and Processes Research	45433 USAF,	Wright-Patterson AFB,	Research	0.5591
Materials and Processes Research	21005 USA,	ABERDEEN PROVING GROUND,	Research	0.3066
Materials and Processes Research	20817 USN,	NAVSURFWARCEN_CARDEROCKDIV_BETHESDA_M		0.2777
Materials and Processes Research	32403 USAF,	Tyndall AFB,	Research	0.2774
Materials and Processes Research	22203 DARPA,	DARPA,	Research	0.2479
Materials and Processes Research	22217 USN,	OFFICE OF NAVAL RESEARCH,	Research	0.2361
Materials and Processes Research	27709 USA,	ARMY RESEARCH LABORATORY/ARO,	Research	0.1630



**TECH 40**  
**Consolidate Extramural Research Program Managers to NAS**  
**Anacostia - MilVal**

---

*BRAC FOUO*

	<b>Nuclear Technology Research</b>	
Nuclear Technology Research	20375 USN, Naval Research Laboratory Washington DC,	Research 0.7099
Nuclear Technology Research	22060 DTRA, National Capital Element DTRA,	Research 0.4239



**TECH 40**  
**Consolidate Extramural Research Program Managers to NAS**  
**Anacostia - MilVal**

---

*BRAC FOUO*

	<b>Sea Vehicles Research</b>	
Sea Vehicles Research	20817 USN, NAVSURFWARCEN_CARDEROCKDIV_BETHESDA_M	0.6893
Sea Vehicles Research	22217 USN, OFFICE OF NAVAL RESEARCH,	Research 0.3723
Sea Vehicles Research	19112 USN, NAVSURFWARCENSHIPSYSENGSTA_PHILADELPHI	0.3676
Sea Vehicles Research	32407 USN, USN_2_Pannama City,	Research 0.2114



Consolidate Extramural Research Program Managers to NAS Anacostia - MilVal

Sensors, Electronics, and EW Research

Table with 3 columns: Research Category, Location, and Research Value. Lists various research programs and their associated values.



Consolidate Extramural Research Program Managers to NAS Anacostia - MilVal

Space Platforms Research

Table with 3 columns: Research Category, Location, and Research Value. Lists space platform research programs and their associated values.



Consolidate Extramural Research Program Managers to NAS Anacostia - MilVal

Weapons Technology Research

Table with 3 columns: Facility Name, Location, and Value. Lists various research facilities and their associated values.

DRAFT DELIBERATIVE DOCUMENT—FOR DISCUSSION PURPOSES ONLY—DO NOT RELEASE UNDER FOIA



Consolidate Extramural Research Program Managers to NAS Anacostia - Physical Capacity Analysis

Building Use SQFT

Table with 9 columns: Facility Code, Name and Function, Current Capacity, Current Usage, Max Potential Capacity, Capacity Available to Surge, Required to Surge, Excess Capacity, and Excess Capacity in terms of FTE's. Lists various research facilities and their physical capacity details.

DRAFT DELIBERATIVE DOCUMENT—FOR DISCUSSION PURPOSES ONLY—DO NOT RELEASE UNDER FOIA



**TECH 40**  
**Consolidate Extramural Research Program Managers to NAS**  
**Anacostia - Physical Capacity Analysis Continued**

BRAC FOUO

Building Use SQFT

Facility Code, Name and Function	Current Capacity	Current Usage	Max Potential Capacity	Capacity Available to Surge	Capacity Required to Surge	Excess Capacity	Excess Capacity in terms of FTE's
	Sq FT	Sq FT	Sq FT	Sq FT	Sq FT	Sq FT	Sq FT
35898 USA, REDSTONE ARSENAL, Research	86,214	313,135	86,214	(226,920)	344,448	(258,234)	(833)
36362 USA, FORT RUCKER, Research	47,608	36,528	47,608	11,079	40,181	7,426	24
37388 USAF, Arnold AFS, Research	26,055	37,200	26,055	(11,145)	40,920	(14,865)	(48)
39529 USN, NRL Detachment Stennis Space Ctr, Research	70,927	75,464	70,927	(4,538)	83,011	(12,084)	(39)
40121 USA, FORT KNOX, Research	20,634	13,680	20,634	6,954	15,048	5,586	18
44135 USA, ADELPHI LABORATORY CENTER CLEVELAND, Research	302,646	15,603	302,646	287,043	17,164	285,482	921
45433 USAF, Wright-Patterson AFB, Research	2,592,874	866,037	2,592,874	1,726,837	952,640	1,640,233	5,291
47522 USN, NAVSURFWARCENDIV_CRANE_IN, Research	13,627	16,397	13,627	(2,770)	18,037	(4,410)	(14)
48397 USA, DETROIT ARSENAL, Research	425,784	196,747	425,784	229,037	216,421	209,363	675
78234 USA, FT SAM HOUSTON, Research	113,293	74,917	113,293	38,376	82,408	30,885	100
78235 USA, WALTER REED ARMY MEDICAL CENTER SAN ANTIONO, Research	25,721	12,193	25,721	13,527	13,413	12,308	40
78235 USAF, BROOKS CITY-BASE, Research	204,745	103,370	204,745	101,376	113,706	91,039	294
85212 USAF, USAF_2_Mesa, Research	78,391	63,757	78,391	14,634	70,132	8,259	27
85365 USA, YUMA PROVING GROUND, Research	46,851	72,953	46,851	(26,102)	80,249	(33,397)	(108)
87117 USAF, Kirtland AFB, Research	329,896	374,790	329,896	(44,894)	412,269	(82,373)	(266)
88002 USA, WHITE SANDS MISSILE RANGE, Research	32,186	23,818	32,186	8,367	26,200	5,986	19
90245 USAF, Los Angeles AFB, Research	0	44,743	0	(44,743)	49,218	(49,218)	(159)
92152 USN, USN_4_San Diego, Research	24,003	155,467	24,003	(131,464)	171,014	(147,011)	(474)
92186 USN, NAVHLTHRSCHCEN_SAN_DIEGO_CA SAN DIEGO, Research	56,156	31,827	56,156	24,329	35,009	21,147	68
93524 USAF, EDWARDS AFB, Research	818,441	125,860	818,441	692,581	138,446	679,995	2,194
93555 USN, USN_2_China Lake, Research	360,110	155,775	360,110	204,335	171,353	188,758	609
93943 USN, NAVPGSCOL_MONTEREY_CA, Research	35,261	110,024	35,261	(74,762)	121,026	(85,765)	(277)
94035 USA, REDSTONE ARSENAL Moffett Field, Research	0	22,457	0	(22,457)	24,703	(24,703)	(80)
96718 USA, TRIPLER ARMY MEDICAL CENTER Pohakuloa, Research	506,606	20,116	506,606	486,489	22,128	484,478	1,563
96753 USAF, Kirtland AFB Kihei, Research	26,234	43,607	26,234	(17,372)	47,967	(21,733)	(70)
96857 USA, Schofield Barracks, Research	506,606	20,116	506,606	486,489	22,128	484,478	1,563

# Tech 0020 Summary

## Joint Battlespace Environments Center

Consolidates Battlespace Environments RDA with NRL Detachment, Stennis, MS

- Realigns work from ARL/WSMR, NM and NRL Monterey, CA

Relocates 100 billets

Eliminates 22 billets

Moves work to a DOD High Performance Computing Center

Supports Joint Functional concepts and Joint Operating Concepts of the Future for theater weather modeling and prediction

Draft Deliberative Document – For discussion Only – Not for Release Under FOIA

# TECH-0047 Summary

- Establishes a Joint C4ISR DAT&E activity co-located with a Combatant Commander (NORTHCOM)
- Consolidates physically scattered Combatant Commander C4ISR DAT&E activities into a single activity
- Strengthens support to Homeland Defense
  - NORTHCOM responsibility

# TECH-0054 Summary

- Realigns all remaining Pt. Mugu Sensors, EW and Electronics RDA T&E functions to China Lake
- Enables closure of Pt. Mugu

# Scenario TECH 0031 Final Package

## Draft

# Optimize Sea Vehicle R, D&A, and T&E

# Candidate Scenario # TECH-0031

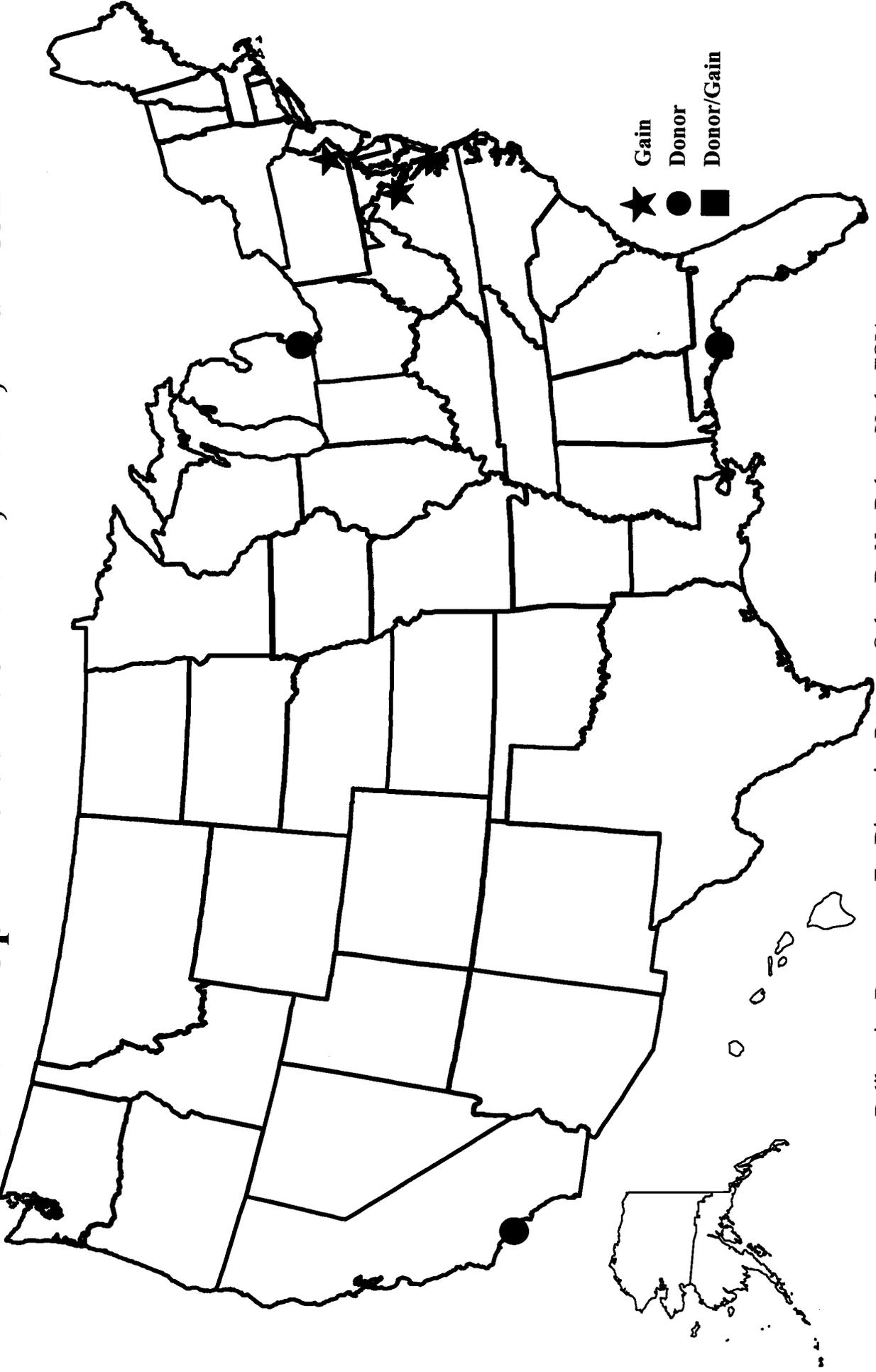
## Candidate Recommendation: Optimize Sea Vehicle R, D&A, and T&E

Realign NSWC Panama City by relocating Sea Vehicles RDAT&E to NSWC Carderock, MD.  
 Realign NAS Patuxent River by relocating Sea Vehicle T&E to NSWC Carderock, MD  
 Realign Naval Base Ventura County (Port Hueneme) by relocating Sea Vehicle D&A to NSWC Ship Systems Engineering Station, Phila, PA.  
 Realign Detroit Arsenal by relocating Sea Vehicle RDAT&E to NSWC Division Carderock, MD.  
 Realign Detroit Arsenal by relocating the Program Management function of Sea Vehicle RDAT&E to COMNAVSEASYSKOM

<p><b><u>Justification</u></b></p> <ul style="list-style-type: none"> <li>• Provide greater synergy across Sea Vehicle R, D&amp;A, and T&amp;E</li> <li>• Reduce potential duplicative efforts</li> <li>• Provide consolidated centers of mass for Sea Vehicles R, D&amp;A, T&amp;E</li> <li>• Increase effectiveness and efficiencies</li> </ul>	<p><b><u>Military Value (R/D&amp;A/T&amp;E)</u></b></p> <ul style="list-style-type: none"> <li>• NSWC Carderock .69/.53/.7</li> <li>• NSWC Panama City .21/.32/.24</li> <li>• NSWC Port Hueneme na/.16/na</li> <li>• NAVSEA HQ Na/.49/na</li> <li>• NSWC Carderock, PHIL na/.51/na</li> </ul>
<p><b><u>Payback</u></b></p> <ul style="list-style-type: none"> <li>• Payback period – Never</li> <li>• One time cost – \$80,189K</li> <li>• Steady state annual savings – (\$1,521K)</li> </ul>	<p><b><u>Impacts</u></b></p> <ul style="list-style-type: none"> <li>• Criteria 6 – No impact</li> <li>• Criteria 7 – No impact</li> <li>• Criteria 8 - TBD pending decision by TJCSG on whether to pursue this scenario</li> </ul>

- Strategy  Capacity Analysis / Data Verification  JCSG/MilDep Recommended  De-conflicted w/JCSGs
- COBRA  Military Value Analysis / Data Verification  Criteria 6-8 Analysis  De-conflicted w/MilDep
- Legal Review

# TECH 31 – Optimize Sea Vehicle R, D&A, and T&E



## Summary/Recommendations

- Baseline Cobra/assumptions yield result that never Paysback investment required
- Facilities and equipment being moved do not exist at gaining site(s)
- Possible excursions of reduced RDTE lab milcon costs and 15% reduction to any admin personnel still likely to result in payback of >>50 years.
- Recommendation: Inactivate this scenario

**Decision Factors: TECH 0031 – Optimize Sea Vehicle R, D&A, and T&E**

DECISION FACTORS	RATING	COMMENT
1 Climate/Terrain		Action 1 - Salt water access not available
2 Buildable Land		Action 1 – Insuff. land at receiver site, Navy proposed altern. location of Little Creek, VA for LCACs and SDVs
3 Licenses/Permits		
4 Existing Infrastructure		
5 Cost/Feasibility of Move	<b>Y</b>	
6 Reduces Infrastructure Redundancy	<b>R</b>	
7 Intellectual Capital		
8 Infrastructure Redundancy	<b>Y</b>	
9 Dual Site Capability		Dual site capability not required..
10 Tech Capability/Function DoD Synergy		Action 1 – Synergy removed at donor site
11 Leverages External Agencies	<b>Y</b>	Yes for Contractors; No for Government
12 Collocation with Operational Forces		Action 1 - Separates RDA from SDV Training Det and Expeditionary Forces which remain in Panama City, FL
13 Enhances Rapid Response		Separates RDA from Test and Development asset
14 Recognizes Major Contributors	<b>Y</b>	No change
15 Transformative	<b>Y</b>	No change

Source: CIT to the TJCSJ

# TECH 0031 – Optimize Sea Vehicle R, D&A, and T&E

## Criteria 5-8 Summary

<b>Criteria #</b>	<b>Criteria Subject</b>	<b>Assessment</b>	<b>Comments</b>
5	COBRA – Cost/Savings	ROI - Never Savings/(Cost) – (\$80,159K)	One Time costs driven by large equipment and facility needs at new locations
6	Economic Impact	Go	No Issues
7	Community Impact	Go	No Issues
8	Environmental Impact	TBD	TBD pending decision by TJCSG on whether to pursue this scenario

## One Time Cost Drivers for TECH 0031

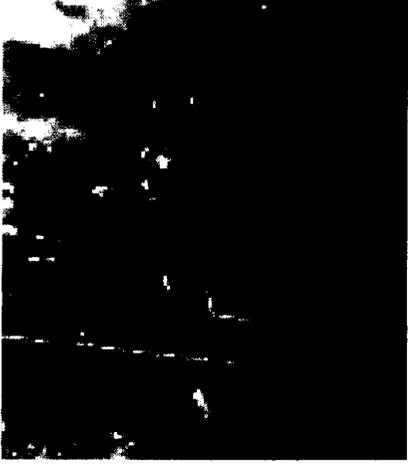
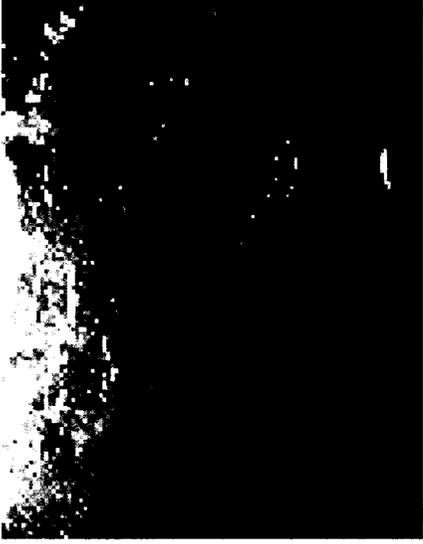
- **MILCONs:**
  - \$10 M milcon at Little Creek for RDTE personnel
  - \$32 M milcon for LCAC/SDVs hangars/shops
- **One Time Eqmt/Fac relocation costs:**
  - \$ 17 M disassy/prep/reassy of Unrep Test site
  - \$ 1.43 M site prep at NSWC Phila
  - \$ 5 M Prep and relocation costs of LCACs/SDVs to NAVAMPHIBASE Little Creek, VA
- **Other Pers/eqmt Move and relocation costs:**
  - ~ \$15 M

## Landing Craft Air Cushion (LCAC)



- Total of 6 LCACs and all equipment to be relocated

## Swimmer Delivery Vehicles



- Relocate prototype and development SDVs and all associated eqpmt

Deliberative Document – For Discussion Purposes Only – Do Not Release Under FOIA

# Underway Replenishment Test Site

at NSWC Port Hueneme Division, CA



Deliberative Document – For Discussion Purposes Only – Do Not Release Under FOIA



# #AF-0110: Realign Human Systems D&A

**Candidate Recommendation (summary):** Realigns Human Systems D&A at Brooks City Base TX to Wright Patterson AFB, OH

	<p align="center"><b><u>Justification</u></b></p>	<p align="center"><b><u>Military Value</u></b></p>
<ul style="list-style-type: none"> <li>■ Complements Tech-0009 realignment of Human Systems Research to WPAFB OH and helps enable Brooks closure</li> <li>■ Supports Med-0025 realignment of 311 HSW, USAF School of Aeromedicine &amp; Operational Health Institute to WPAFB OH</li> <li>■ Enhances technical synergy in Human Systems RD&amp;A</li> <li>■ Reduce infrastructure and lease space</li> <li>■ Simplifies organizational structure and concentrates acquisition expertise at one site</li> </ul>	<ul style="list-style-type: none"> <li>■ Higher Military Value for Human Systems research at WPAFB (.51 WPAFB, .42 Brooks). Slightly higher Military Value for Human Systems D&amp;A at Brooks (.14 Brooks, .13 WPAFB)</li> <li>■ Military judgment using transformational framework/strategy drove the decision to consolidate RD&amp;A functions at WPAFB OH.</li> </ul>	
<p align="center"><b><u>Payback</u></b></p> <ul style="list-style-type: none"> <li>■ One-time cost: \$ M</li> <li>■ Net implementation costs: \$ M</li> <li>■ Annual recurring savings: \$ M</li> <li>■ Payback time: years</li> <li>■ NPV (savings): \$ M</li> </ul> <p> <small>Capacity Analysis / Data Verification</small>  <small>Strat&amp;g</small> </p> <ul style="list-style-type: none"> <li>✓ COBRA</li> <li>✓ Military Value Analysis / Data Verification</li> </ul>	<p align="center"><b><u>Impacts</u></b></p> <ul style="list-style-type: none"> <li>■ Criterion 6:</li> <li>■ Criterion 7:</li> <li>■ Criterion 8:</li> </ul> <ul style="list-style-type: none"> <li>✓ JCSCG/MilDep Recommended</li> <li>✓ Criteria 6-8 Analysis</li> <li>✓ De-conflicted w/JCSGs</li> <li>✓ De-conflicted w/MilDepts</li> </ul>	



U.S. ARMY



# Army Remanded Scenarios

---

---

## *Status Briefing to the Technical Joint Service Group*

**Army Principle: Mr. Brian Simmons – ATEC**  
**Army Deputy: Dr. Robert S. Rohde – OASA(ALT)**

**Pentagon 4E987**  
**3 Feb 05 -1400**



# Army Remanded Scenarios



**TECH 0045, TECH 0048:**

**Land Systems Life Cycle Management Center**

**TECH 0035, TECH 0050, TECH 0051, TECH 0052, TECH 0053**

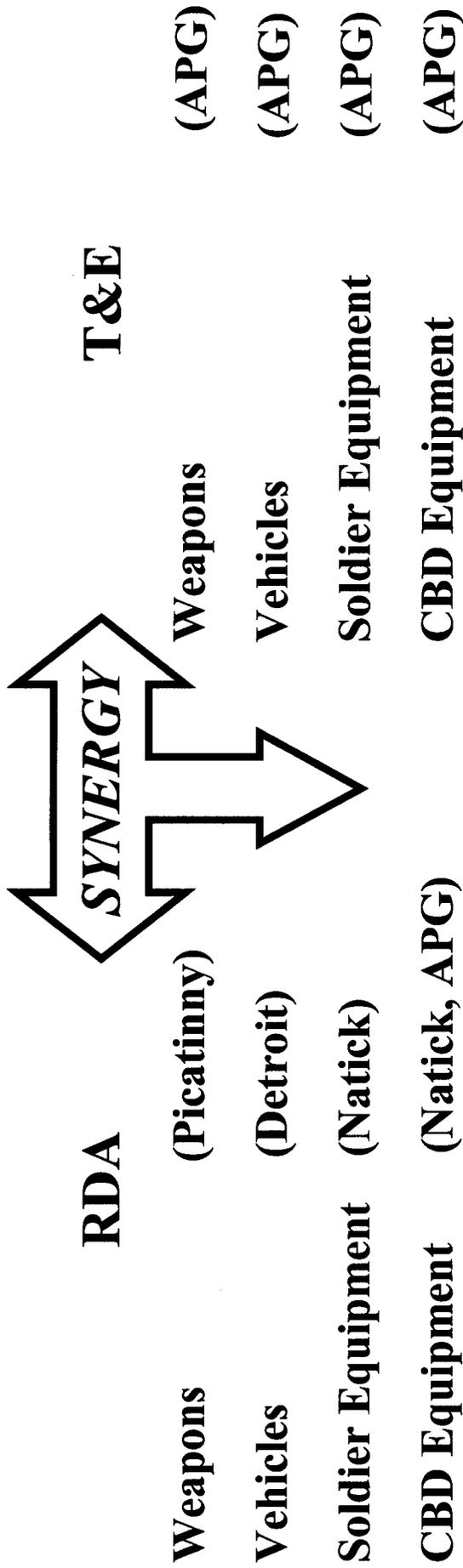
**Land Network Warfare Life Cycle Management Center**



# Army Remanded Scenarios



## Land Systems Life Cycle Management Center



- TECH 0045 Consolidate RDT&E in Vehicles, Weapons, CBD, and Soldier Equipment
- TECH 0048 Consolidate RDT&E in Vehicles, CBD, and Soldier Equipment
- TECH 0045' Consolidate RDT&E in CBD and Soldier Equipment



# Army Remanded Scenarios

## Land Systems Life Cycle Management Center



TECH #	Payback Year	One Time Costs	NPV	Recurring Savings
TECH 0045		* Need new COBRA based on significant Increase in one time cost		
TECH 0048	2036 (25 Yrs)	\$1.3B	\$331M	- \$68M
TECH 0045'	2024 (13 Yrs)	\$419.M	- \$26.2	Unknown

- Initial runs showed higher costs and worse payback for TECH 0045 than for TECH 0048.
- Revised higher one time costs were received for each location.
- TECH 0045 has not yet been run with new costs.
- No runs have been made with personnel reductions.
- One time costs are being further scrubbed.



U.S. ARMY



# Candidate # TECH 0045

<p style="text-align: center;"><b>Scenario</b></p> <ul style="list-style-type: none"> <li>• Consolidate all Soldier/Ground System Life Cycle Assets at Aberdeen MD</li> <li>• Alternative locations: <ul style="list-style-type: none"> <li>- Picatinny Arsenal, Natick Soldier Center, Detroit Arsenal, Selfridge</li> </ul> </li> <li>• Potential for adding other service's facilities to Army center</li> </ul>	<p style="text-align: center;"><b>Drivers/Assumptions</b></p> <ul style="list-style-type: none"> <li>• Driver: Technology and LCM Synergy needed to solve the survivability challenge for Light Ground Combat Systems/Soldier/UGV</li> <li>• Assumptions: Current assets need to be collocated to achieve needed synergy to solve and support a very difficult technical problem</li> </ul>
<p style="text-align: center;"><b>Justification/Impact</b></p> <ul style="list-style-type: none"> <li>• FCS requires a substantial realignment of RD&amp;A assets to attain survivability goals</li> <li>• Attains full spectrum capability for RDAT&amp;E for Ground Vehicles, Soldier systems, CB, and Gun/Ammo at a single location</li> </ul>	<p style="text-align: center;"><b>Potential Conflicts</b></p> <ul style="list-style-type: none"> <li>• TJCSG scenarios moving all weapons to a single site, or all ground vehicles to sites other than the one proposed.</li> </ul>



U.S. ARMY



# Candidate # TECH 0048

**Candidate Recommendation:** Closes Natick Soldier Systems Center and Detroit Arsenal/Selfridge moving these elements to APG; Picatinny Arsenal and Watervliet/Benet Lab remain in place; the two sites represent a combined Soldier/Ground Systems Life Cycle Management Center for Land Warfare.

<u>Justification</u>	<u>Military Value</u>
<ul style="list-style-type: none"> <li>✓ Consolidates Army RDT&amp;E organizations to capitalize on technical synergy. Technology and LCM Synergy is needed to solve the survivability challenge for Light Ground Combat Systems/Soldier/UGV.</li> <li>✓ Closes Detroit Arsenal and Natick.</li> <li>✓ Army does not support closing Detroit</li> </ul>	<ul style="list-style-type: none"> <li>✓ Improves Military Value (by moving activities to a higher military value installation), and takes advantage of excess capacity at Aberdeen Proving Ground.</li> <li>✓ MVI: Aberdeen (18), Natick (57), Detroit Arsenal (75)</li> </ul>
<u>Payback</u>	<u>Impacts</u>
<ol style="list-style-type: none"> <li>1. One-Time Cost: \$1,303.0M</li> <li>2. MILCON: \$749.5M</li> <li>3. NPV: \$331M</li> <li>4. Payback Yrs/Break Even Yr: 25yrs/2036</li> <li>5. Steady State: -\$68M</li> </ol>	<ul style="list-style-type: none"> <li>✓ Air Quality - Severe Non-attainment for Ozone; Water Quality - discharges to impaired waterway; may result in operational restrictions</li> <li>✓ Close Detroit Arsenal &amp; Natick -                         <ul style="list-style-type: none"> <li>✓ DERA restoration sites - \$19M CTC</li> </ul> </li> <li>✓ The overall level of risk for criterion 7 is medium. Of the ten attributes evaluated three declined (Population, Transportation, and Safety).</li> </ul>

- Strategy
- Capacity Analysis / Data Verification (On going)
- COBRA
- Military Value Analysis / Data Verification (On going)
- JCSG Recommended
- De-conflicted w/JCSGs
- Criteria 6-8 Analysis
- De-conflicted w/Services
- (Criterion 6 pending completion)



U.S. ARMY



# Candidate TECH 0045'

**Candidate Recommendation:** Closes Natick Soldier Systems Center, realigns PEO Soldier at Fort Belvoir and moves these elements to APG; this forms a combined Soldier Life Cycle Management Center for Land Warfare at APG.

	<u>Military Value</u>
<p><u>Justification</u></p> <ul style="list-style-type: none"> <li>✓ Consolidates Army RDT&amp;E organizations to capitalize on technical synergy. Technology and LCM Synergy is needed to solve the survivability challenge for the Soldier</li> <li>✓ Closes Natick; Realigns PEO-Soldier at Fort Belvoir</li> <li>✓ Army supported</li> </ul> <p><u>Payback</u></p> <ol style="list-style-type: none"> <li>1. One-Time Cost: \$419.5</li> <li>2. MILCON: \$251.4M</li> <li>3. NPV : -\$26.2M</li> <li>4. Payback Yrs/Break Even Yr: 13 / 2024</li> <li>5. Steady State/ - Mil Pay: -\$40.2M</li> </ol>	<p><u>Military Value</u></p> <ul style="list-style-type: none"> <li>✓ Improves Military Value (by moving activities to a higher military value installation), and takes advantage of excess capacity at Aberdeen Proving Ground.</li> <li>✓ MVI: Aberdeen (18), Natick (57)</li> </ul> <p><u>Impacts</u></p> <ul style="list-style-type: none"> <li>✓ Air Quality - Severe Non-attainment for Ozone; Water Quality - discharges to impaired waterway; may result in operational restrictions</li> <li>✓ Close Natick -                     <ul style="list-style-type: none"> <li>✓ DERA restoration sites - \$19M CTC ??</li> </ul> </li> <li>✓ The overall level of risk for criterion 7 is medium. Of the ten attributes evaluated three declined (Population, Transportation, and Safety).</li> </ul>

- Strategy
- Capacity Analysis / Data Verification (On going)
- COBRA
- Military Value Analysis / Data Verification (On going)
- JCSG Recommended
- De-conflicted w/JCSGs
- Criteria 6-8 Analysis
- De-conflicted w/Services (Criterion 6 pending completion)



## **Army Remanded Scenarios**



### **Land Systems Life Cycle Management Center**

#### **TJCSG DECISIONS TECH 0045 & TECH 0048**

- 1. Delete all actions from TECH 0045 with respect to Picatinny (and ARDEC/Adelphi Fuse Detachment) and Detroit/Selfridge.**
- 2. Continue analysis to close and realign Natick and realign PEO Soldier (Ft Belvoir) to APG**
  - Brief Army SRG on 8 February**
  - Return to TJCSG on 10 February**
- 3. Terminate TECH 0048 due to high one time cost and Army leadership concern about moving from automotive center of excellence.**



## Army Remanded Scenarios

# Land Systems Life Cycle Management Center



### Assumptions for TECH 0045'

1. Doroit Environmental Chamber at Natick showed Present Value of \$100M for 16 KSF. Propose new construction estimate based on early 1990's renovation costing \$20M escalated to current costs and cost of 16KSF shell or cantonment of Doroit.
2. SDD Equipment tonnage of 4,000 tons. Absent response, assume 1,000 tons based on claim of 200 containers ranging from 8 ft to 40 ft.
3. 15% reduction in Admin personnel.



## Army Remanded Scenarios



### Land Network Warfare LCM Center

- **TECH 0035 – All D&A to Belvoir; all Research to Adelphi**
  - **Similar to TECH 0042, but w/o T&E or Redstone realignment**
  - **Adds realignment of ARL Info Sys from APG and WSMR, ARI from Knox**
- **TECH 0050 - Same as TECH 35, except leaves Night Vision Research at Belvoir**
  - **Lowest one time cost, greatest savings**
- **TECH 0051 - All Research and D&A at Adelphi**
  - **Probably needs additional space from GSA owned adjacent land**
- **TECH 0052 - All Research & D&A at Aberdeen,**
  - **Highest one time cost , only scenario that does not conflict with TECH 0009**
  - **Adds move of WSMR element**
- **TECH 0053 - All Research & D&A at Monmouth**
  - **Next highest cost; outside NCR**
  - **Includes move of WSMR**

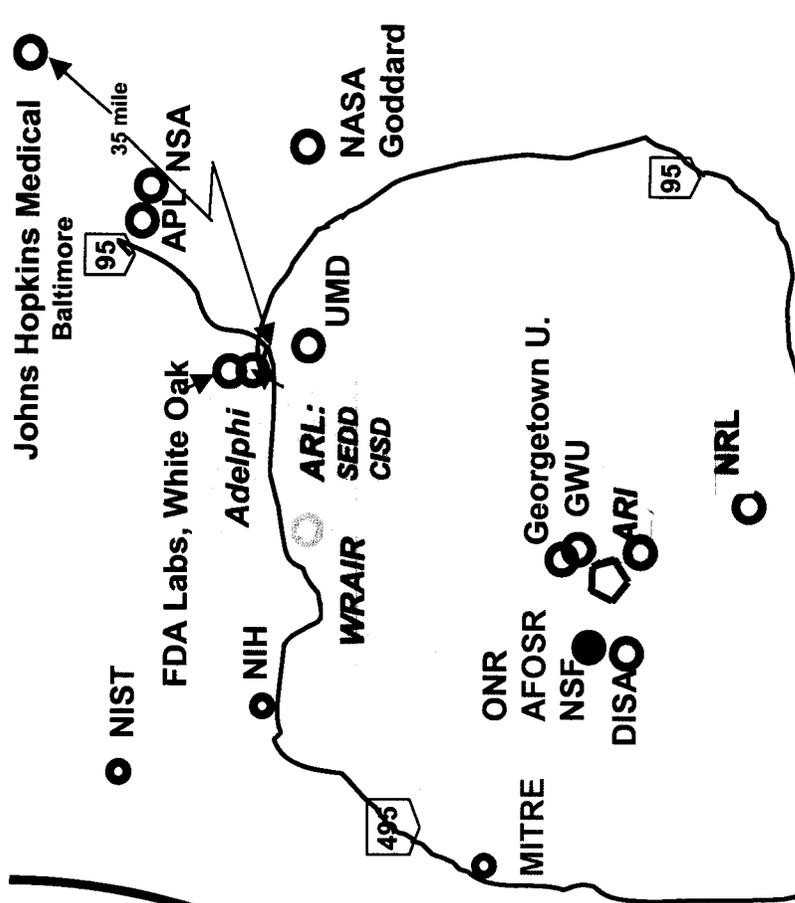


# Potential Contributing Organizations, Related Activities, and Potential Center Locations.

**LEGEND**  
**Potential Contributing Organizations**  
**Potential Center Locations**  
 Army RDT&E, Acquisition  
 Navy RDT&E  
 Non DoD Federal Labs  
 University Research  
 FFRDC

**Army Specific Pieces:**

- APG
- Baltimore
- Ft Monmouth
  - CECOM
  - PEO/PM
  - CERDEC
- HQ, RDECOM
- AMSAA
- ARL:SLAD
- HRED,
- WMRD
- CISD



UMD (Center for Neural and Cognitive Sciences)  
 George Mason (Neurobiology, Genomics)  
 George Washington (Proteomics)  
 Johns Hopkins Medical (Functional Brain Imaging)  
 U. Of Georgetown (Imaging center)  
 FDA Labs - biomedical engineering labs and animal facilities  
 NIH Biomedical Imaging and Bioengineering (NIBIB), Brain imaging and related research NIMH, NIDA,  
 WRAIR - some functional brain imaging & neuropsych research  
 ARL- Also manages ICB & ISN

AMC HQ  
 SOSI, RDECOM  
 CECOM ILS  
 ISEC, CECOM  
 INSCOM  
 IDC, INSCOM  
 DCEETA

TEC

Marine Corps  
 Systems Command  
 Quantico  
 24 miles

Ft Belvoir

**CERDEC, NVEDS**  
 CERDEC, Power Div  
 PEO Soldier  
 PM NVRSTA, PEO IEW&S  
 PM CHIMS, PEO IEW&S PE  
 PM MEPP, PEO CS&CSS  
 PM I&E, PEO C3T  
 PMGC3, PEO C3T  
 PM CSS, PEO AMMO



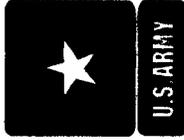
# Army Remanded Scenarios



## Land Systems Network Warfare LCM Center

TECH #	Payback Year	One Time Costs	NPV	Recurring Savings
(Research/D&A)				
TECH 0035	2016 (5 Yrs)	\$655.5M	- \$656M	- \$ 114M
(Adelphi/Belvoir)		<i>(Replace with new run)</i>		
TECH 0050	2015 (4 Yrs)	\$562M	- \$1.24B	- \$145M
(Adelphi/Belvoir)				
TECH 0051	Cobra run postponed due to lack of space at Adelphi & time avail			
(Adelphi)				
TECH 0052	2024 (13 Yrs)	\$1.16B	- \$110M	- \$103M
(APG)				
TECH 0053	>100yrs	\$741M	- \$598	- \$4
(Ft Monmouth)				

\* Recent data should somewhat reduce costs of both 52 & 53 when rerun



## **Army Remanded Scenarios**



### **Land Systems Network Warfare LCM Center**

#### **Assumptions for Cobra runs**

- 1. Do not rebuild large footprint NVESD facilities (IMAX, Minelanes and large machine shop) at Adelphi. Commute when required; D&A will control sites at Belvoir. Davidson Army Airfield used for helicopter work.**
- 2. 15% reduction in Admin personnel.**
- 3. Completely Close Ft Monmouth (TECH 0035, TECH 0050, TECH 0051, TECH 0052) and Adelphi (TECH 0052, TECH 0053)/ May need coordination with S&S JCSG ICP scenarios.**



## **Army Remanded Scenarios**



# **Land Systems Network Warfare LCM Center**

**Status for TECH 35,50,51,52,53**

- 1. Brief Army SRG on 8 February**
- 2. Return to TJCSG on 10 February with revised runs  
and Army recommendation**

IMPEDIMENTS TO COBRA  
RUNS AND SCENARIO  
ANALYSIS STATUS  
WEAPONS AND ARMAMENTS  
SUBGROUP BRIEF TO TJCSG

Feb 3, 2005 Rev 1

# Overall Challenges

- Navy Data Changes for Energetics delaying COBRA and analysis
- Constantly changing data makes configuration baseline challenging
- Inconsistent completion by Services of sq ft shutdown or excess FTE as a result of personnel reduction [Some did not fill out Screen 6]
  - AT suggests deleting screen 6 for all

# STATUS/ CHALLENGES with COBRA RUNS

- Scenario #2
  - Donor data in/ Receiver data in for all but Army [rev 27 Jan to Army]
  - Baseline and Excursion 1 COBRA Runs complete
  - Criterion 8 Requested 1 Feb
  - Navy Revising Position on Part 4; new data expected 2/4
  - Working additional Excursions
    - New Navy Data on Energetics; new DTRA data
    - Data from SDDs and other services changes incl Army MILCON additions
    - Revision using New Assumptions from 2/2 and today
    - Dahlgren Overwater Range Data deleted
    - Corrections per previous assumptions
  - FINAL RECOMMENDATION COBRA RUNS EXPECTED Fri Feb 11
  
- Scenario #18
  - Awaiting Navy certified data [donor and receiver]
  - Baseline Provisional COBRA Run complete
  - **Criterion 8 not requested??**
  - Navy Revising Position on Part 4; certified data expected 2/4
  - Working Excursions
    - New Navy Data on Energetics; new DTRA data
    - Data from SDDs and other services changes incl Army MILCON additions
    - Revision using New Assumptions from 2/2 and today
    - Dahlgren Overwater Range Data
  - FINAL RECOMMENDATION COBRA RUNS EXPECTED Fri Feb 11

# STATUS/ CHALLENGES with COBRA RUNS

- Scenario #17
  - Updated donor data not received from Navy [received in #2]
  - Receiver package not issued; Receiver data not in [Army]
  - Baseline and Excursion 1 COBRA Runs complete using
  - Criterion 8 Requested 31 Jan
  - Working additional Excursion
    - Data from SDDs and other services changes incl Army MILCON additions
    - Revision using New Assumptions from 2/2 and today
    - Dahlgren Overwater Range Data
    - Considering other alternatives to attain payback
  - Excursion COBRA Runs Completion expected Wed 2/9/05 [data dependent]
  - FINAL RECOMMENDATION COBRA RUNS EXPECTED Fri Feb 11
  
- Scenario #44
  - Awaiting Navy certified data [receiver]
  - Baseline Provisional COBRA Run complete 1/27/04
  - Excursion COBRA Runs not planned
  - **Criterion 8 not requested**

# STATUS/ CHALLENGES with COBRA RUNS

- Scenario #19
  - Donor/ Receiver data in [update expected 2/4]
  - Baseline and Excursion 1 COBRA Runs complete
  - Criterion 8 Requested 31 Jan
  - Navy Revising Energetics Inputs; certified data expected 2/4
  - Working additional Excursion
    - New Navy Data on Energetics
    - Data from SDDs and other services changes
  - FINAL RECOMMENDATION COBRA RUNS EXPECTED Fri Feb 11
  
- Scenario #43
  - Donor/ Receiver data in [update expected 2/4]
  - Baseline and Excursion 1 COBRA Runs complete
  - Criterion 8 requested 31 Jan
  - Navy Revising Energetics Inputs; certified data expected 2/4
  - Working additional Excursion
    - New Navy Data on Energetics
    - Data from SDDs and other services changes
  - FINAL RECOMMENDATION COBRA RUNS EXPECTED Fri Feb 11

# COBRA DELIVERY DATES

- All Baseline Runs completed; No intent to rebaseline with corrected data—use excursions
- First Excursions completed for #2, #19, #43
- First Excursions pending for #18, parts 2,4; #17
- No Excursion planned for #44 [G&A to Dahlgren--least desirable option]
- Next Excursions using updated data and additional assumptions are delayed
  - Navy resubmit expected 2/4/05
  - Runs planned 5-11 Feb
- Final Recommendation COBRA Runs Expected Fri Feb 11

# TECH002 BASELINE COBRA RUN

TECH 0002: 3 Core / 2 Specialty sites; Energetics Material to CL

	Move Year(s)	One Time Costs	Payback Time	NPV (savings) in 2025	MILCON costs	Positions Eliminated	Positions Reallocated
<b>Part 1: Eglin Receiver (1)</b>							
BASELINE 1/28/05	'06 to '11	\$145,656 K	56 yrs	\$77,643 K	\$108,698 K	90	840
EXCURSION 1 2/1/05	'06 to '08	\$132,819 K	23 yrs	\$22,231 K	\$104,304 K	120	810
EXCURSION 1 Corrected 2/3/05 [MILCON/facilities double entries corrected]	'06 to '08	\$72,824 K	9 yrs	\$-45,095 K	\$44,359 K	120	810
<b>Part 2: Picatinny Receiver (2)</b>							
BASELINE 1/28/05	'06 to '11	\$1,031,120 K*	Never	\$1,202,298 K	\$836,453 K	0	1225
EXCURSION 2/2/05 w/ assumptions Comparison with TECH 017	'06 to '08	\$651,613 K	Never	\$814,719 K	\$488,769 K	0	1175
1/28/2005	'06 to '11	\$479,028 K	Never	\$624,026 K	\$263,125 K	3	1199
<b>Part 3: Redstone Receiver</b>							
BASELINE 1/28/05	'06 to '09	\$712,769 K	Never	\$873,072 K	\$151,898 K	0	831
EXCURSION 1 2/2/05 w/ 2/2/05 assumptions	'06 to '08	\$203,341 K	8 years	-\$187,979 K	\$156,998 K	34	934
<b>Part 4: China Lake, Port Hueneme, Dahlgren [Sys Integ] Receivers (3)</b>							
BASELINE 1/28/05	'06 to '11	\$919,701 K	12 yrs	-\$73,230 K	\$295,075 K	147	4465
EXCURSION							

# TECH018 BASELINE COBRA RUN

	Move Years]	One Time Costs	Payback Year	NPV in 2025	MILCON costs	Positions Eliminated	Positions Reassigned
TECH 0018: 3 Core / 2 Specialty sites; Energetics Material from non-core to IH							
Part 1: Eglin Receiver (1)							
BASELINE 1/28/05	'06 to '11	\$28,562 K	5 years	-\$37,443 K	\$3,643 K	90	591
EXCURSION 2/1/05	'06 to '08	\$26,755 K	3 years	-\$82,855 K	\$8,973 K	120	557
Part 2: Picatinny Receiver (2)							
BASELINE 1/28/05	'06 to '11	\$884,140 K	Never	\$1,042,002 K	\$732,958 K	0	1179
EXCURSION							
Part 3: Redstone Receiver							
BASELINE 1/28/05	'06 to '09	\$712,769 K	Never	\$873,072 K	\$151,898 K	0	831
EXCURSION 1 2/2/05 w/ 2/2/05 assumptions [same as TECH 002]	'06 to '08	\$ 203,341 K	8 years	-\$187,979 K	\$156,998 K	34	934
Part 4: China Lake, Port Hueneme, Dahlgren [Sys int], Indian Head Receivers (3)							
BASELINE 1/28/05	'06 to '11	\$426,466 K	6 years	-\$311,233 K	\$81,321 K	147	3645
EXCURSION							

# TECH019 and TECH 043 BASELINE AND EXCURSION COBRA RUN

Move Year	Payback Year	One Time Cost	NPV	Payback	One Time Cost	NPV	Eliminated Positions	Positions Relinquished
TECH 0019 BASELINE: Relocate W&A Energetic Materials Capability from Crane, Yorktown & Fallbrook to IH								
Run 1/11/05; rerun 1/28/05	'06 to '09	100+ years	\$22,016 K	\$35,717 K	\$18,600 K	5	38	
TECH 0019 EXCURSION 1: W&A Energetic Materials Capability from Crane, Yorktown & Fallbrook to IH								
Run 1/12/05; rerun 1/28/05	06 to '09	5	-\$12,542 K	\$9,586 K	\$3900 K	8	35	

Move Year	Payback Year	One Time Cost	NPV	Payback	One Time Cost	NPV	Eliminated Positions	Positions Relinquished
TECH 0043: Relocate W&A Energetic Mat'l from Crane, Yorktown, Fallbrook & IH to Dahlgren								
BASELINE 1/11/05	'06 to '11	100+ yrs	\$524,474 K		\$155,080 K	30	814	
EXCURSION 11/12/05; rev 1/14/05	06 to '08	100+ yrs	\$216,746 K	\$132,423 K	\$142,909 K	73	771	

# TECH017 and TECH 044 BASELINE COBRA RUN

TECH 0017: Relocate W&A Guns/Ammo to Picatinny									
	Move Year[s]	One Time Costs	Payback Year	NPV in 2025	MILCON costs	Positions Eliminated	Positions Realigned		
BASELINE	1/28/2005	'06 to '11	\$479,028 K	Never	\$624,026 K	\$263,125 K	3	1199	
EXCURSION 1		TBD							

TECH 0044 : Relocate W&A Guns/Ammo to Dahlgren									
	Move Year[s]	One Time Costs	Payback Year	NPV in 2025	MILCON costs	Positions Eliminated	Positions Realigned		
PROVISIONAL									
BASELINE	1/27/2005	'06 to '11	\$1,515,190 K	100+ years	\$1,338,314 K	\$836,410 K	176	3414	
TECH 0044 EXCURSION 1		NONE PLANNED							

# TECH028 BASELINE COBRA RUN

[Remanded to Navy]

	Move Year[s]	One Time Costs	Payback Year	NPV in 2025	MILCON costs	Positions Eliminated	Positions Realigned
TECH 0028: Relocate Underwater W&A from Panama City to Newport							
BASELINE	1/14/05	\$86,836 K	100+ years	\$69702 K	\$53,237 K	46	666
EXCURSION 1	TBD						

Note: Subgroup comments that 109 FTEs eliminated, but no savings counted

# NEW EXCURSION ASSUMPTIONS REQUESTED:

## Synergy and Efficiency Based on New Info [2/3/05]

- Remove Watervliet from Scenarios
  - Expensive to move [on the order of \$100M costs]
  - Greater synergy with production at current location
- Remove MARCORSYSCOM and MCOTEA at Quantico from TECH 0002 and 0018 Scenarios
  - MCOTEA is an operational test organization, not a developmental test org [similar orgs deleted]
  - For MARCORSYSCOM, the synergy value to the Marine Corps of having their requirements and acquisition people collocated outweighs the synergy of locating W&A with that of another service.
  - Relatively cost neutral with no opportunity to close Quantico

# NEW EXCURSION ASSUMPTIONS REQUESTED: [2/3/05]

- Reduce Contractor Support by 15% for all contractors [HQ and other]
  - Consistent with Other subgroups
- Apply standard guidance for sq ft and personnel savings where not noted by Service on Screen 6
- In cases where wide disparity > 15% between FY03 FTEs and those reported to be moved in scenario [FY11 projection], use FY03 data, with prorating for contractor/government mix
  - 30 % increase in total FTEs for MDA; 39% increase for DTRA

**“ANALYTIC PROVISIONAL COBRA RUNS”  
REQUESTED [2/3/05]**

- Conduct provisional analysis that modifies receivers/deletes donors in existing scenario configurations
  - Louisville Options:
    - Delete move of Louisville to Picatinny [modify #17 as test case]
    - Move Louisville to Watervliet [modify #17 as test case]