Tech-6

CONSOLIDATE AIR AND SPACE C4ISR RESEARCH, DEVELOPMENT & ACQUISITION, TEST & EVALUATION

WRIGHT-PATTERSON AIR FORCE BASE, OH

REALIGN

Out		In		Net Gain/(Loss)		Net Mission Contractor	Total Direct
Mil	Civ	Mil	Civ	Mil	Civ		
(69)	(729)	658	559	589	(170)	75	494

MAXWELL AIR FORCE BASE, AL

REALIGN

Out		In		Net Gain/(Loss)		Net Mission Contractor	Total Direct
Mil	Civ	Mil	Civ	Mil	Civ		
(740)	(511)	0	0	(740)	(511)	0	(1,251)

LACKLAND AIR FORCE BASE, TX

REALIGN

Out		In		Net Gain/(Loss)		Net Mission Contractor	Total Direct
Mil	Civ	Mil	Civ	Mil	Civ		
(2,489)	(1,223)	235	453	(2,254)	(770)	(116)	(3,140)

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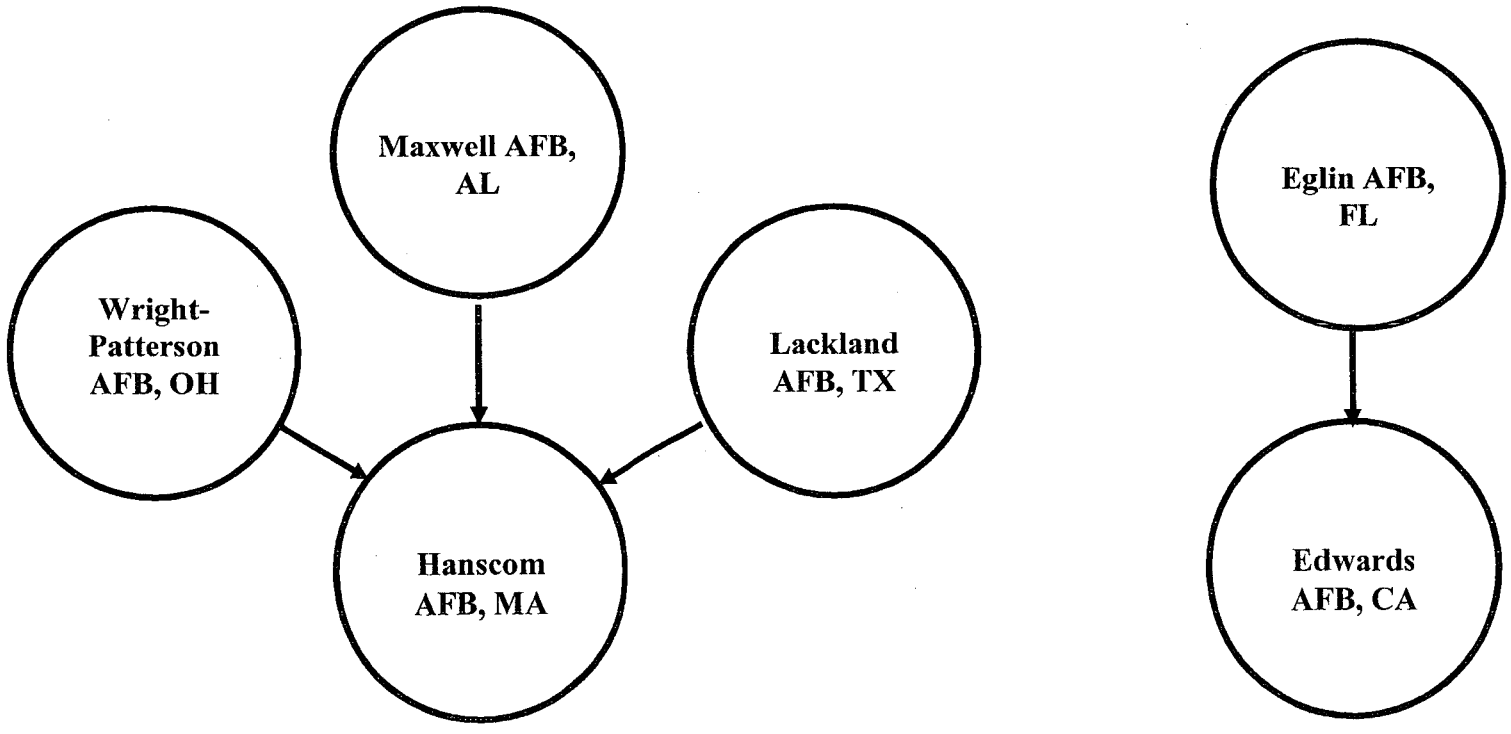
EGLIN AIR FORCE BASE, FL

REALIGN

Out		In		Net Gain/(Loss)		Net Mission Contractor	Total Direct
Mil	Civ	Mil	Civ	Mil	Civ		
(28)	(42)	2,168	120	2,140	78	0	2,218

Recommendation: Realign Wright-Patterson Air Force Base, OH, Maxwell Air Force Base, AL, and Lackland Air Force Base, TX, by relocating Air & Space Information Systems Research and Development & Acquisition to Hanscom Air Force Base, MA. Realign Eglin Air Force Base, FL, by relocating Air & Space Sensors, Electronic Warfare & Electronics and Information Systems Test & Evaluation to Edwards Air Force Base, CA.



DCN:11659

L.C. FARRINGTON
TECH-6
HANSCOM
(Receiver organization)

BASE VISIT REPORT

Hanscom Air Force Base

July 29, 2005

LEAD COMMISSIONER:

None

ACCOMPANYING COMMISSIONER:

Not applicable

COMMISSION STAFF:

Les Farrington

LIST OF ATTENDEES:

COL Dave Temple—BRAC Coordinator, 781-377-5107
COL Tim Ceteras—Cmdr., 66th Air Base Wing, 781-377-2301
Frank Weber—Director, OSSW, 781-377-5238
Matt Mieziva—SAF/AOX, (WPAFB), 978-852-5620
Chris Perkins—66MSG/Civil Engineer, 781-377-4352
Steve Mittleman—Air Force Research Lab, 781-377-4038
Stew Leschin—BRAC POC, 781-377-1276
Lou Michaud—Air Force Research Lab, 781-377-4771

BASE'S PRESENT MISSION:

Electronic Systems Center developes, acquires, modernizes, and integrates net-centric electronic command and control, intelligence, surveillance and reconnaissance (C2ISR) capabilities and systems, as well as combat support information systems; provides warfighting commanders with battlefield situational awareness and accurate, relevant, decision-quality information on a global information grid.

SECRETARY OF DEFENSE RECOMMENDATION:

Consolidate Air and Space C4ISR Research, Development & Acquisition, Test & Evaluation.

SECRETARY OF DEFENSE JUSTIFICATION:

This recommendation will reduce the number of technical facilities engaged in Air & Space Sensors, Electronic Warfare, and Electronics and Information Systems RDAT&E from 6 to 2. Through this consolidation, the Department will increase efficiency of RDAT&E operations resulting in a multi-functional center of excellence in the rapidly changing technology area of C4ISR.

MAIN FACILITIES REVIEWED:

Hanscom Air Force Base including specific areas affected by BRAC recommendations.

INFORMATION OBTAINED:

1. Electronic Systems Center (Hanscom Air Force Base) is a gaining activity on the C4ISR Consolidation (+559 mil and +824 civ). **TECH-6**. It is a losing activity on another BRAC recommendations: a. Relocating the Sensors Directorate to Wright-Patterson AFB and the Space Vehicles Directorate to Kirtland AFB (-60 mil and -219 civ) **TECH-22.**

2. Hanscom is the home of the 66th Air Base Wing. The base has over 8,600 assigned personnel. It houses MITRE Corporation and is adjacent to MIT's Lincoln Laboratory. It is the center of the technology hub with 60 major colleges and universities.

3. There is a requirement for 658,000 square feet of space (mostly office space) to accommodate incoming C4ISR functions. The movements to Wright-Patterson and Kirtland AFB will free up 460,978 acreas to be vacated; however this space may not become available until 2009 which may be too late to accommodate the incoming action. Nonetheless, Hanscom has 1.25M acres of additional unconstrained space available for use.

4. In response to an early data call on available acreage, Hanscom reported the following:

   "The scenario requires roughly 40 acres; Hanscom's largest parcel is 18.27 Acres, and only 8.4 unconstrained acres are zoned for industrial use. This Scenario may require building on constrained acreage."

   Confusion existed with respect to this scenario; e.g., a recreational and parking lots were listed as constrained when in fact these areas are unconstrained suitable for building.

5. Future developable (unconstrained and buildable) acres for Hanscom are as follows:

Industrial acres----------7.26
Administration acres--------12.99
Outdoor Recreation Acres--21.88
Open Spaces Acres----------45.50

5. Hanscom pointed out this available acreage on a drive-by tour of base areas.

6. Hanscom officials had no issues concerning the realignment of people to Wright-Patterson and Kirtland Air Force bases.

7. Challenges---Hanscom is updating manpower numbers to reflect Feb 2005 manning vs. validated BRAC data from Oct 2003. There is significant communication footprint (growth) required for incoming mission at Hanscom (COBRA estimates $9M—the need may be $30M). Some difficulty has been experienced reconciling COBRA data in terms of information other than direct MILCON (parking, infrastructure improvements, quality of life improvements). Hanscom is working with command to specify the exact shortfall between COBRA and Air Force estimate (site survey week of July 25 was cancelled).

29 Jul 05 Meeting w/ Hanscom BRAC Team

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James O'Rourke	66 MSG/SC	781-377-7581	james.orourke@hanscom.af.mil
Steven Mittleman	AFRL/SNH	781-377-4038	steven.mittleman@hanscom.af.mil
LOU MICHAUD	AFRL/VS	781-377-4771	louis.michaud@hanscom.af.mil
Greg Eccleston	ESC/DP	(781) 377-2149	Gregory.Eccleston@hanscom.af.mil
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FRANK WEBER	ESC/CS	781-377-5238	frank.weber@hanscom.af.mil
Col Dave Temple	ESC/BR	781-377-5107	david.temple@hanscom.af.mil

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War-Winning Capabilities ... On Time, On Cost

2005 Base Realignment and Closure (BRAC) Briefing to Mr Farrington (Hanscom AFB MA)

Col Dave Temple
AFMC/BR

29 July 2005

This Briefing is:
UNCLASSIFIED
PREDECISIONAL - FOUO

Overview

- BRAC Actions
- Functional Area Challenges (Manpower/Comm/Facilities)
- Phasing/Beddown Options
- Questions / Comments

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BRAC Recommendations

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- Inbound
  - AFRL Information (AFRL/IF) from Wright-Patterson AFB (FY09)
  - Air & Space Info Systems Research and Dev & Acq (FY07)
    - Development and Fielding Systems Group (DFSG) from Wright-Patterson AFB*
    - Operations & Sustainment Systems Group (OSSG) from Maxwell-Gunter AFB*
    - Cryptologic Systems Group (CPSG--Dev & Acq) from Lackland AFB*
- Outbound
  - AFRL Space (AFRL/VS) to Kirtland AFB (FY09)
  - AFRL Sensors (AFRL/SN) to Wright-Patterson AFB (FY09)

•Organizations not specifically identified in SecDef recommendations, but assumed to move per Tech Report 0042C7

Functional Area Challenge Manpower

- **Manpower numbers being updated to reflect Feb 05 Unit Manning Document info vs validated BRAC data from Oct 03 Baseline (includes CMEs)**
  - **Initial assessment—inbound #s for Hanscom will be slightly higher than indicated by COBRA**
  - **Conversion of 393 Central Design Activity and 109 Netcentric Ops C4ISR (Gunter) authorizations to CMEs is key "watch" item for Hanscom to perform the mission**

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Functional Area Challenge Communications

- **Significant Comm footprint (growth) required for incoming mission at Hanscom (COBRA=$8.97M)**
  - **AFNOC and other systems require 24/7 ops**
  - **DFSG requires large Wide Area Network (WAN) reachback to WPatt not currently available at Hanscom**
  - **OSSG requires large WAN reachback to Gunter (DISA MegaCenter) not currently available at Hanscom**
  - **CPSG requires special networks to link w/ customers/Lackland/Robins/Tobyhanna**

Functional Area Challenge Facilities

- Difficult reconciling COBRA Data in terms of info other than direct MILCON (parking, infrastructure, Quality of Life improvements)
- Working with command to specify exact shortfall between COBRA and AF estimate (Site Survey week of 25 Jul cancelled)

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Phasing/Beddown Options

DCN:11659

- AFRL moves are on critical path
  - Facilities at Kirtland/WPatt postured unavailable (new MILCON) until FY09
  - DFSG/OSSG/CPSG transitions expected to begin in FY07
- Reviewing temporary Beddown Options for early C4ISR transitions pending Hanscom MILCON completion

Hanscom does have capacity (land/infrastructure) to support new workload/personnel

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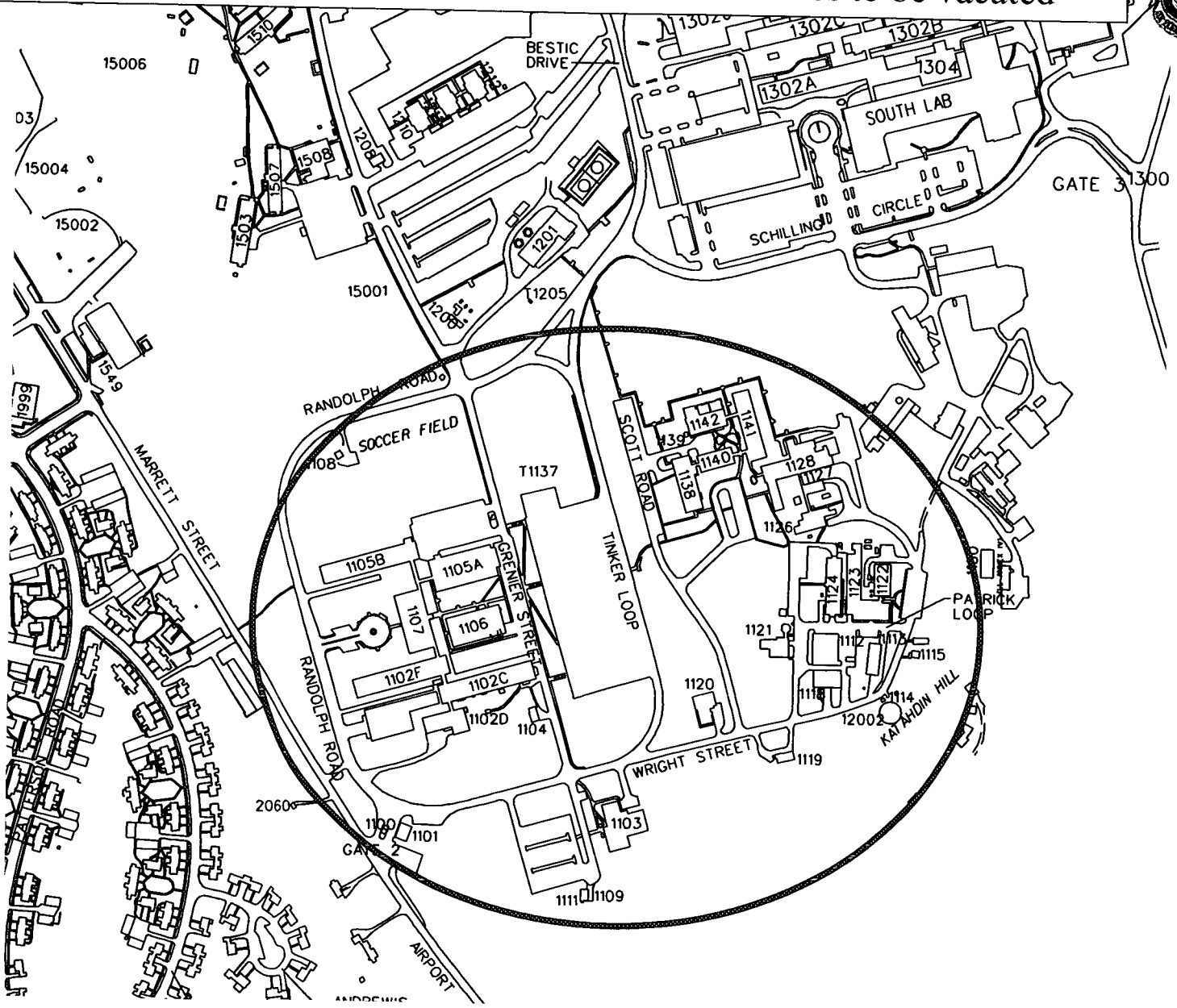
460,978 SF of existing Base, AFRL VS & SN facilities to be vacated



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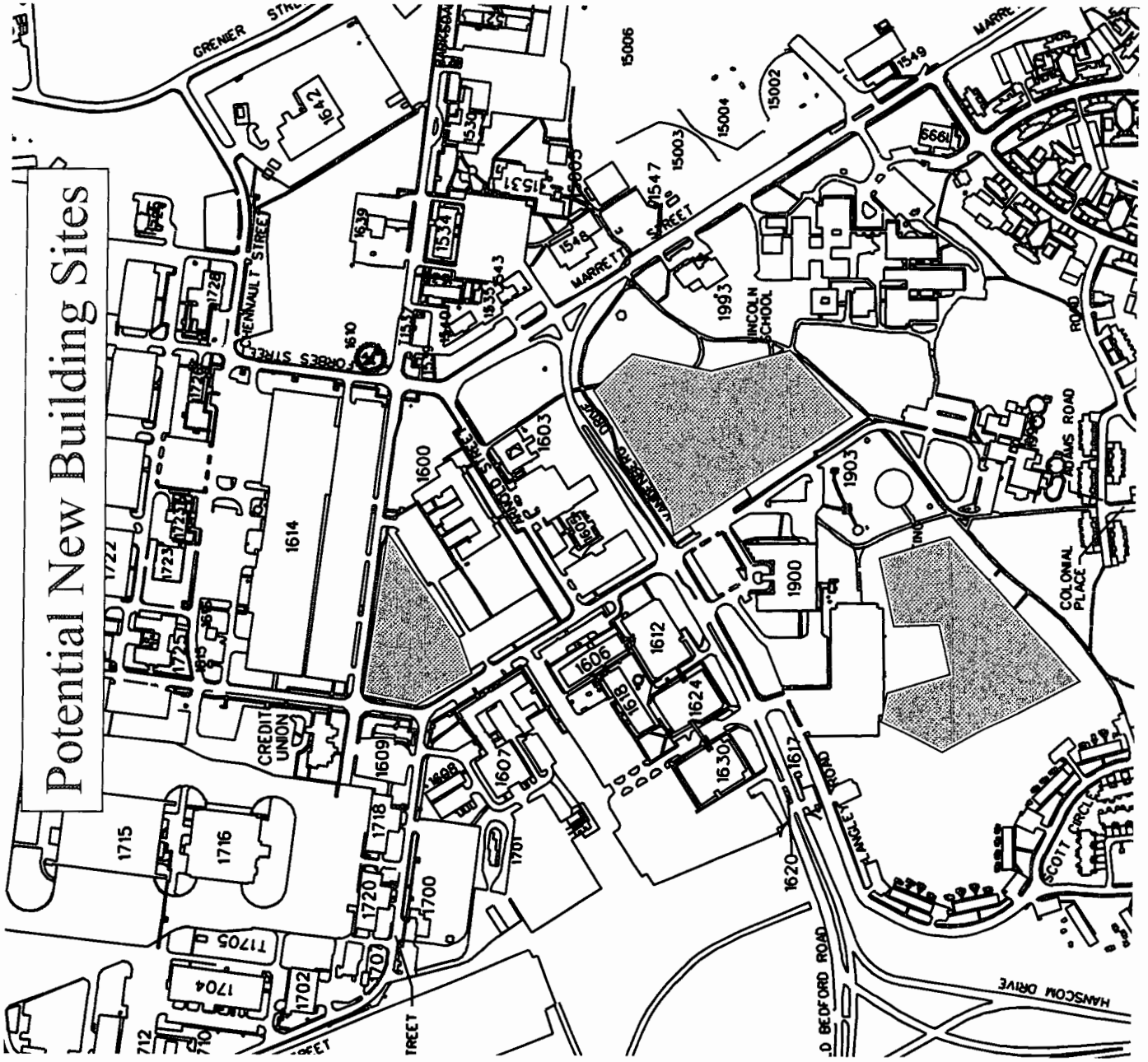
Potential New Building Sites
GRENIER
ORRES STREET
MENNAULT STREET
MARRETT STREET
LINCOLN SCHOOL
ADAMS ROAD
COLONIAL PLACE
SCOTT CIRCLE
HANSCOM DRIVE
CREDIT UNION
1491
1539
1534
1531
1548
1547
15006
15004
15003
15002
1549
1661
1993
1903
1900
1728
1723
1722
1614
1600
1603
1606
1612
1624
1630
1620
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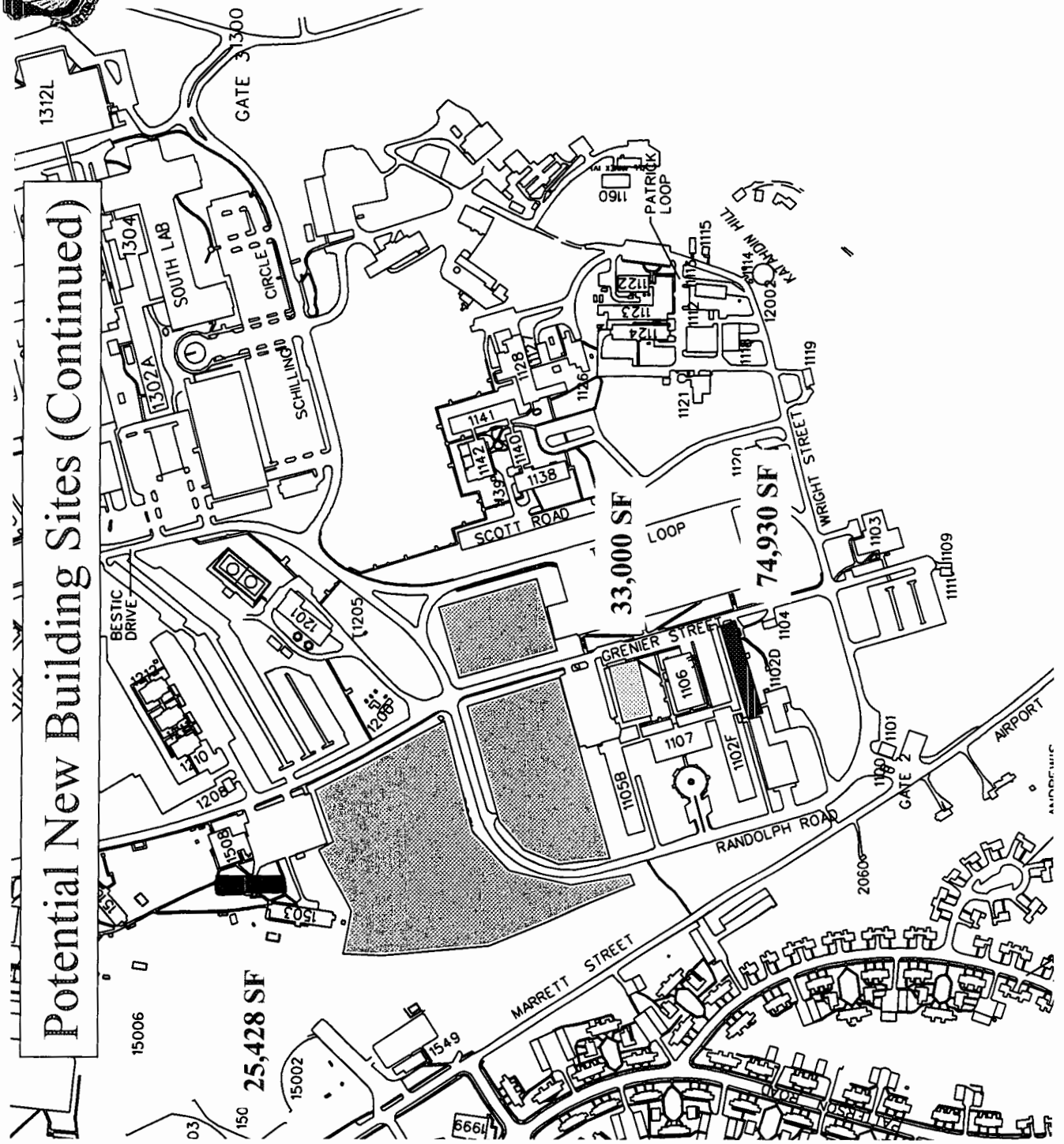
1702

DCN:11659

Potential New Building Sites (Continued)



Questions / Comments

???

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Electronic Systems Center

Welcome to ESC

ESC/CCX

7 July 05

U.S. AIR FORCE

Missions

ESC Mission Overview

AFMC Mission

Deliver war-winning...

-- Technology
-- Acquisition Support
-- Sustainment

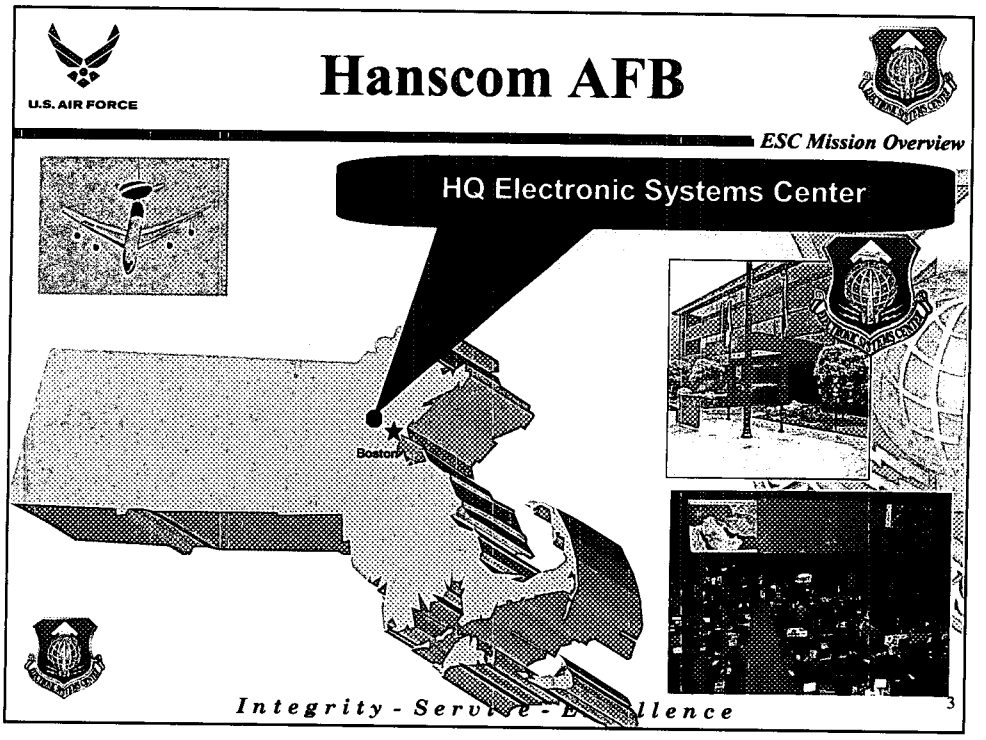
...expeditionary capabilities to the warfighter.

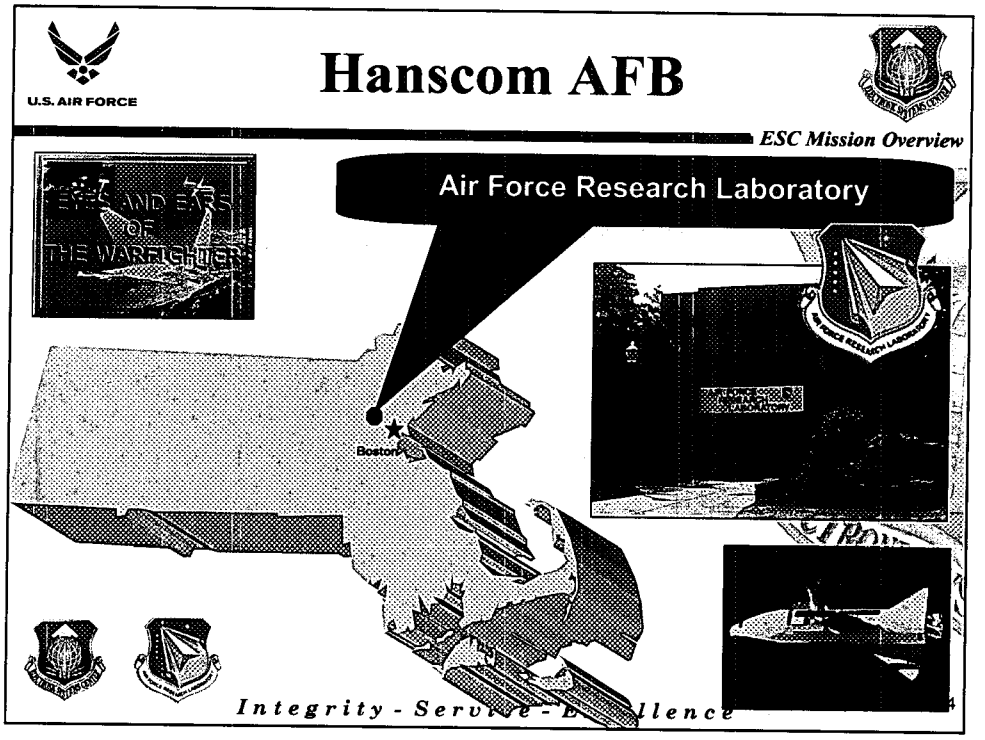
ESC Mission

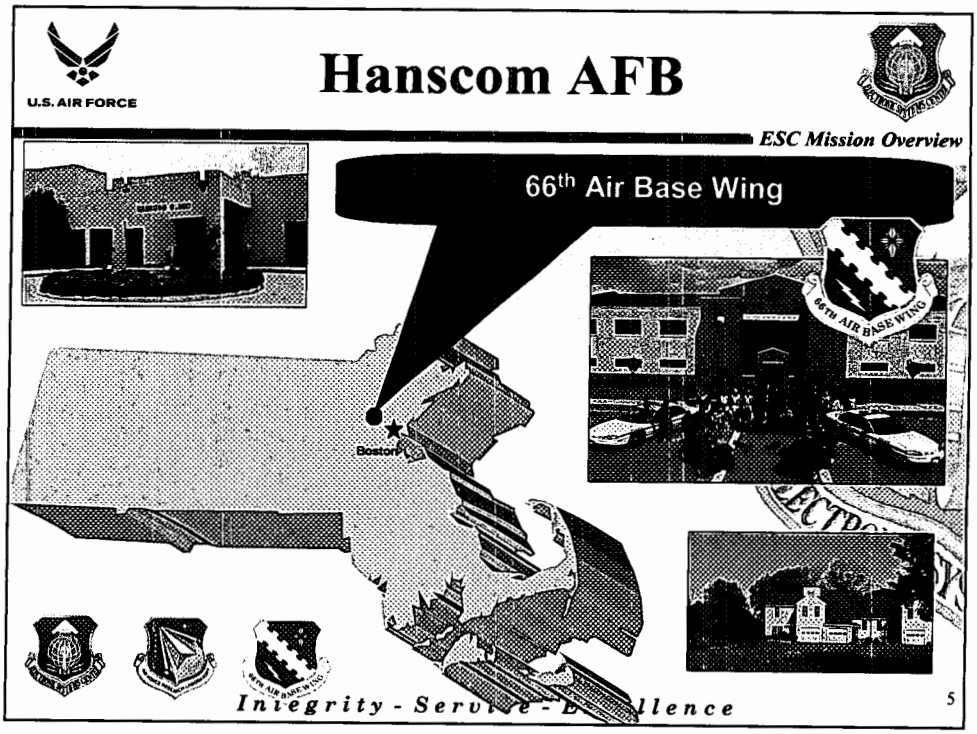
Electronic Systems Center (ESC) develops, acquires, modernizes, and integrates net-centric electronic command and control, intelligence, surveillance and reconnaissance (C2ISR) capabilities and systems, as well as combat support information systems; provides warfighting commanders with battlefield situational awareness and accurate, relevant, decision-quality information on a global information grid.

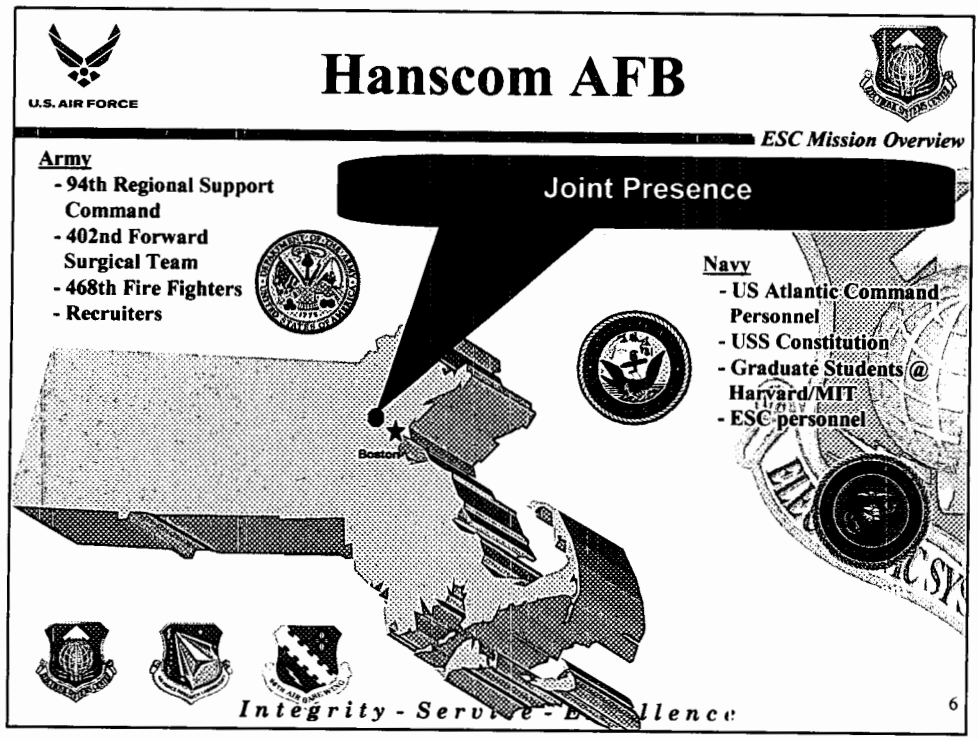
Integrity - Service - Excellence

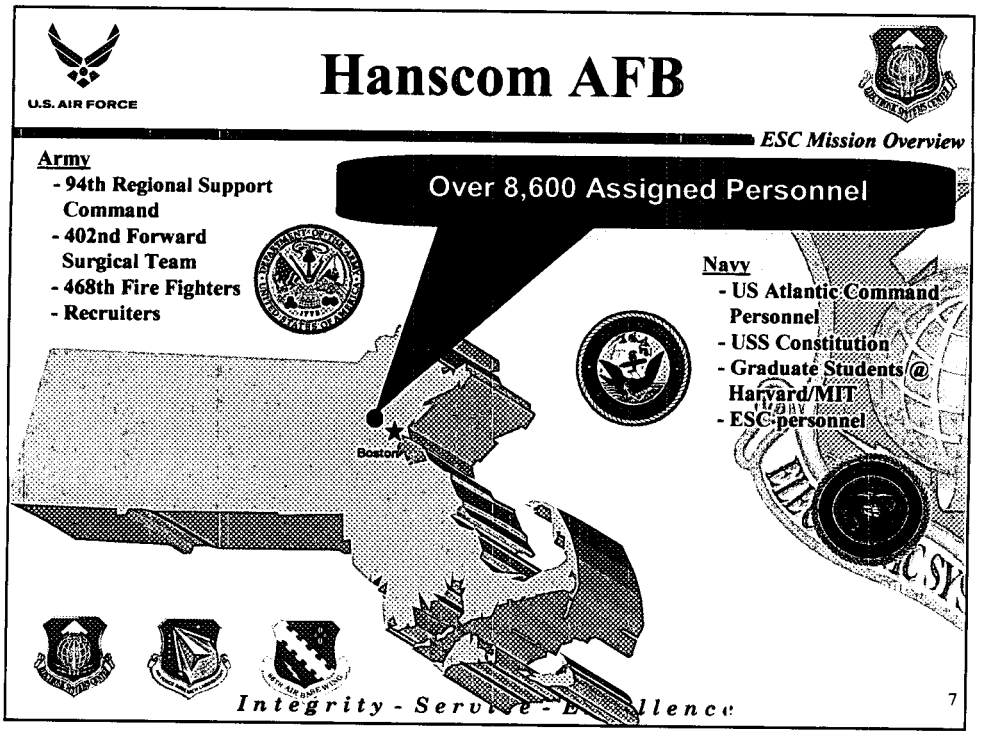
2

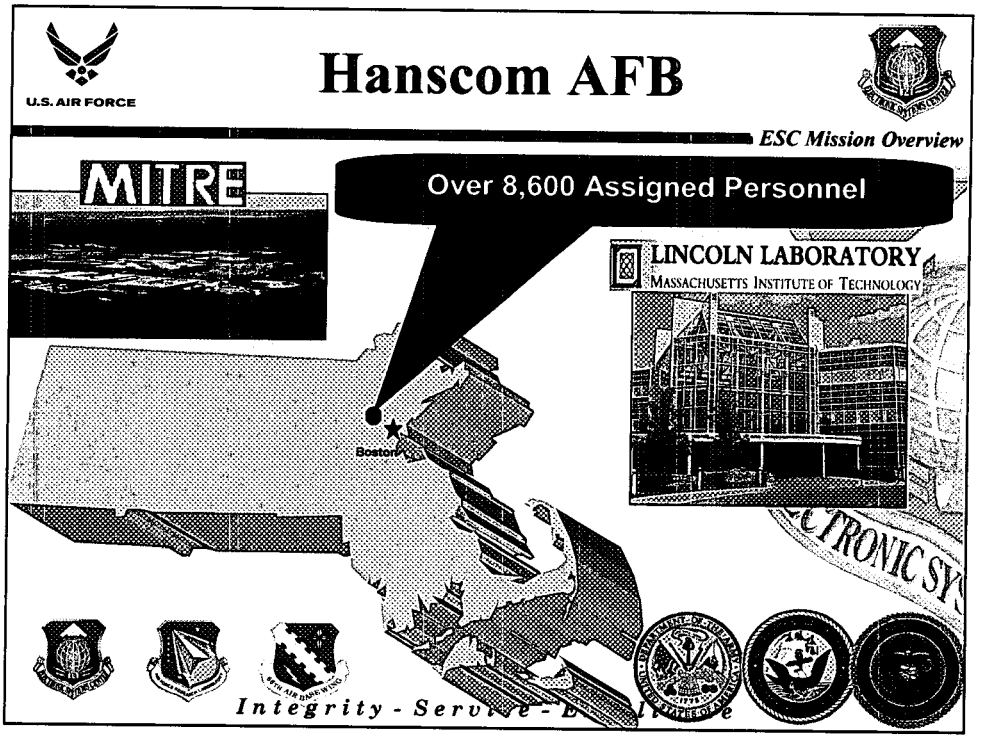

U.S. AIR FORCE
Hanscom AFB
ESC Mission Overview
HQ Electronic Systems Center
Boston
Integrity - Service - Excellence
3


U.S. AIR FORCE
Hanscom AFB
ESC Mission Overview
Air Force Research Laboratory
EYES AND EARS OF THE WARFIGHTER
Boston
Integrity - Service - Excellence
4


U.S. AIR FORCE
Hanscom AFB
ESC Mission Overview
66th Air Base Wing
Boston
Integrity - Service - Excellence
5


U.S. AIR FORCE
Hanscom AFB
ESC Mission Overview
Joint Presence
Army
- 94th Regional Support Command
- 402nd Forward Surgical Team
- 468th Fire Fighters
- Recruiters
Navy
- US Atlantic Command Personnel
- USS Constitution
- Graduate Students @ Harvard/MIT
- ESC personnel
Boston
Integrity - Service - Excellence
6


U.S. AIR FORCE
Hanscom AFB
ESC Mission Overview
Over 8,600 Assigned Personnel
Army
- 94th Regional Support Command
- 402nd Forward Surgical Team
- 468th Fire Fighters
- Recruiters
Navy
- US Atlantic Command Personnel
- USS Constitution
- Graduate Students @ Harvard/MIT
- ESC personnel
Boston
Integrity - Service - Excellence
7

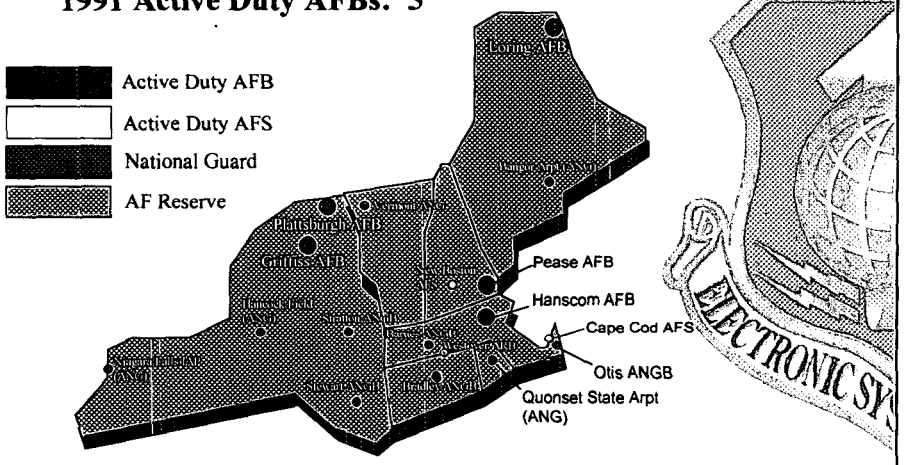

U.S. AIR FORCE
Hanscom AFB
ESC Mission Overview
MITRE
Over 8,600 Assigned Personnel
LINCOLN LABORATORY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Boston
Integrity - Service - Excellence

New England Air Force Bases (1991)

U.S. AIR FORCE

ESC Mission Overview

1991 Active Duty AFBs: 5



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9

New England Active Duty AFB

U.S. AIR FORCE

ESC Mission Overview

1991 Active Duty AFBs: 5

Hanscom's Economic Impact on New England (2002)

Total Estimated Economic Impact: $3.1B

- 10th Largest Business Employer in MA
  - Total Employment Supported: 22,435
    - Primary Hanscom (8,551) + Secondary Jobs Created (13,884)
- Contract Awards to MA Businesses and Universities: $777M
- Total Payroll--Hanscom Complex: $617M
- Construction, Contracts, Materials, Equipment, and Supplies: $612M

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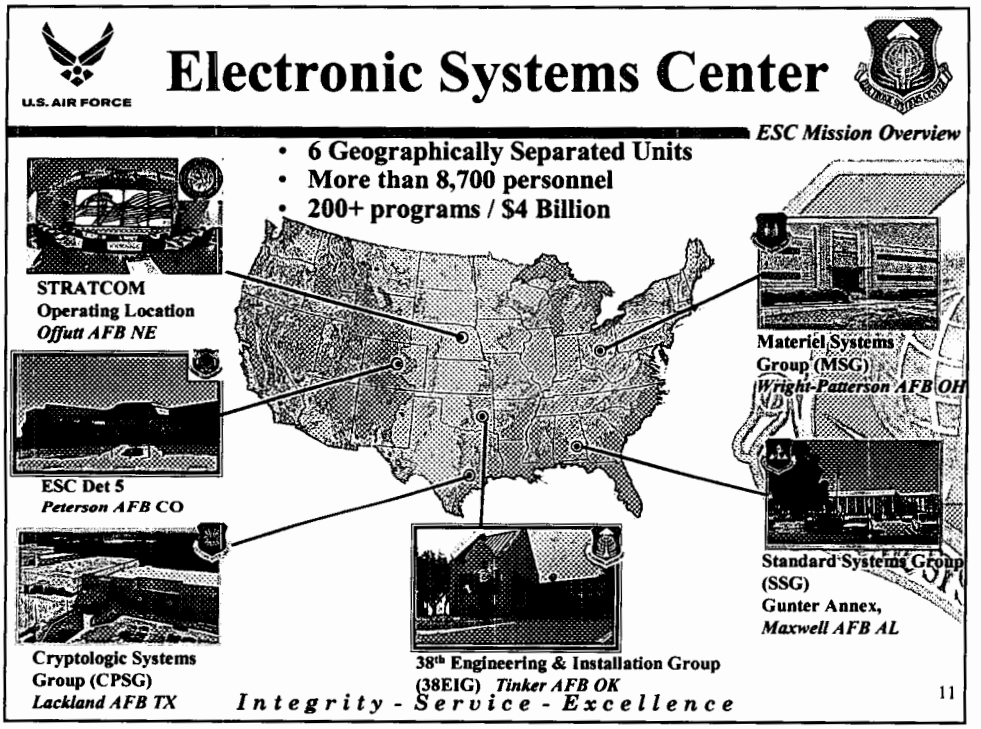
U.S. AIR FORCE
Electronic Systems Center
ESC Mission Overview
• 6 Geographically Separated Units
• More than 8,700 personnel
• 200+ programs / $4 Billion
STRATCOM
Operating Location
Offutt AFB NE
ESC Det 5
Peterson AFB CO
Cryptologic Systems
Group (CPSG)
Lackland AFB TX
38th Engineering & Installation Group
(38EIG) Tinker AFB OK
Materiel Systems
Group (MSG)
Wright-Patterson AFB OH
Standard Systems Group
(SSG)
Gunter Annex,
Maxwell AFB AL
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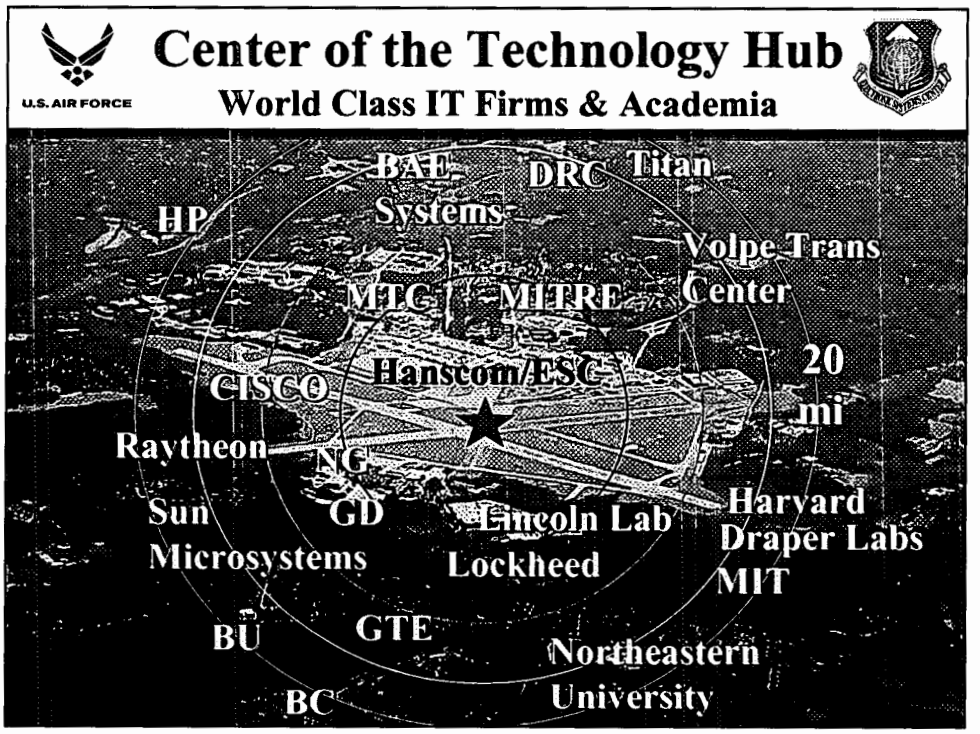
11


U.S. AIR FORCE
Center of the Technology Hub
World Class IT Firms & Academia
BAE Systems
DRC
Titan
HP
Volpe Trans
Center
MTG
MITRE
Hanscom/ESC
CISCO
20
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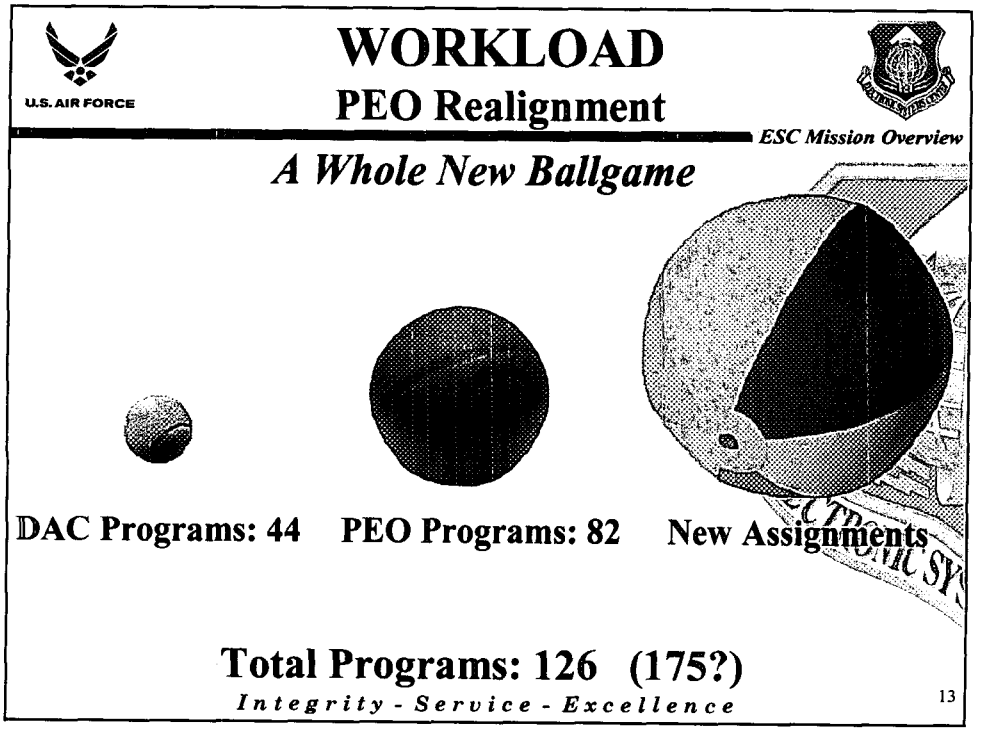
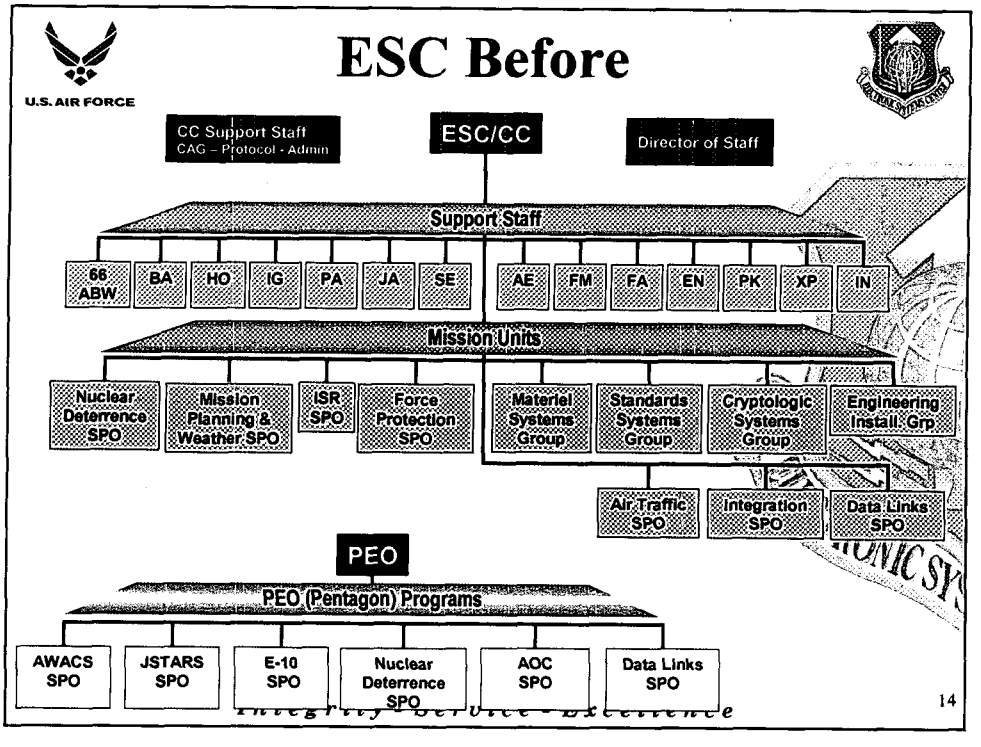
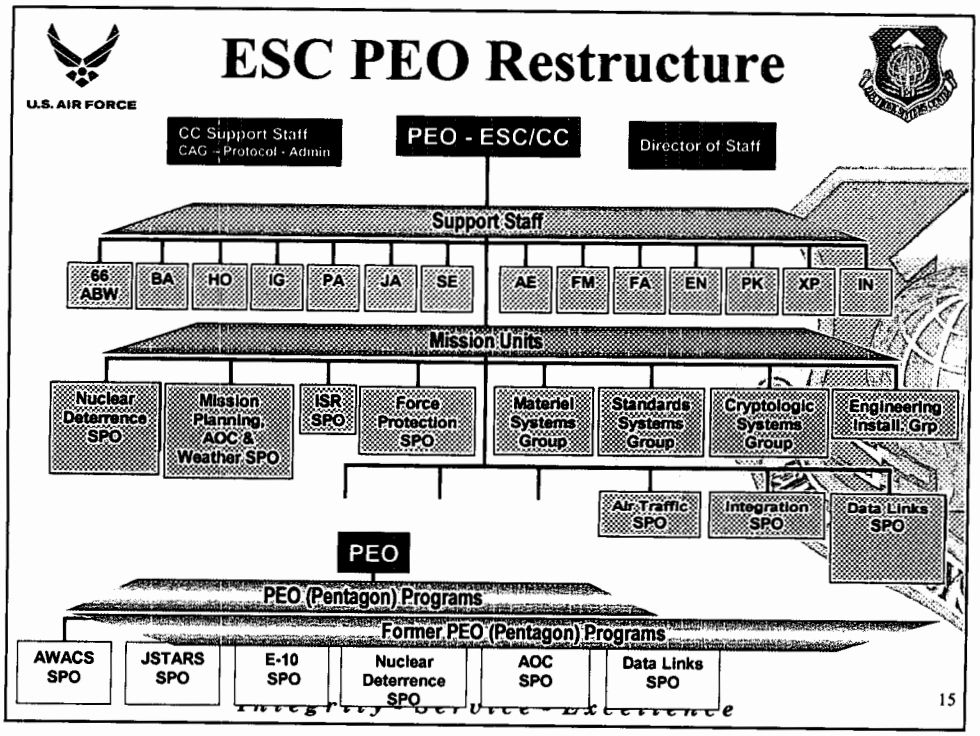
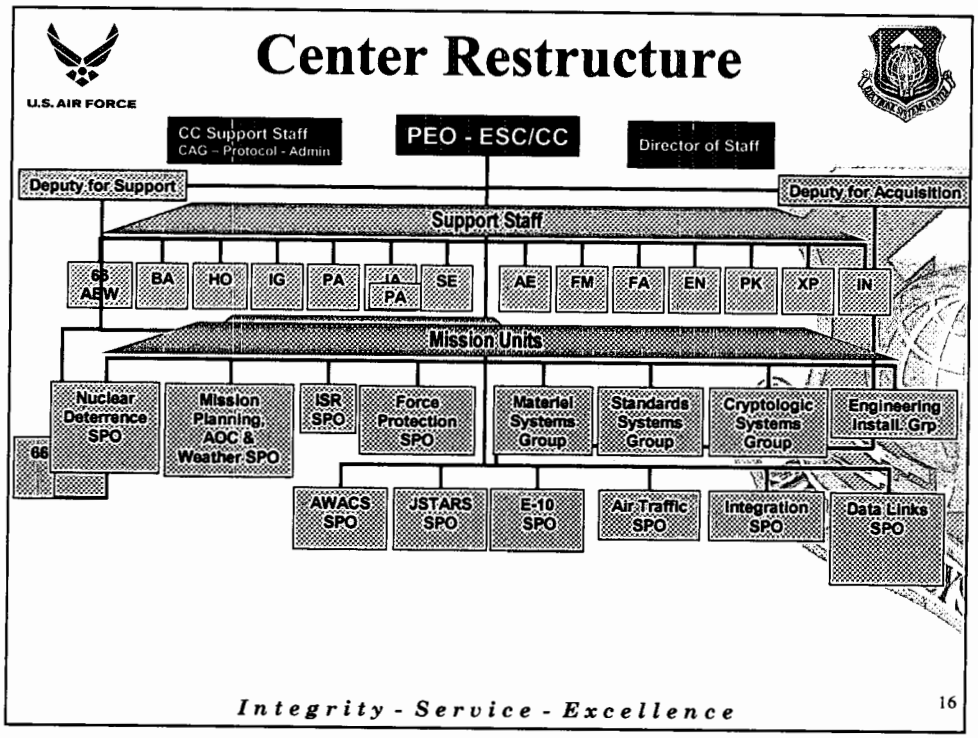
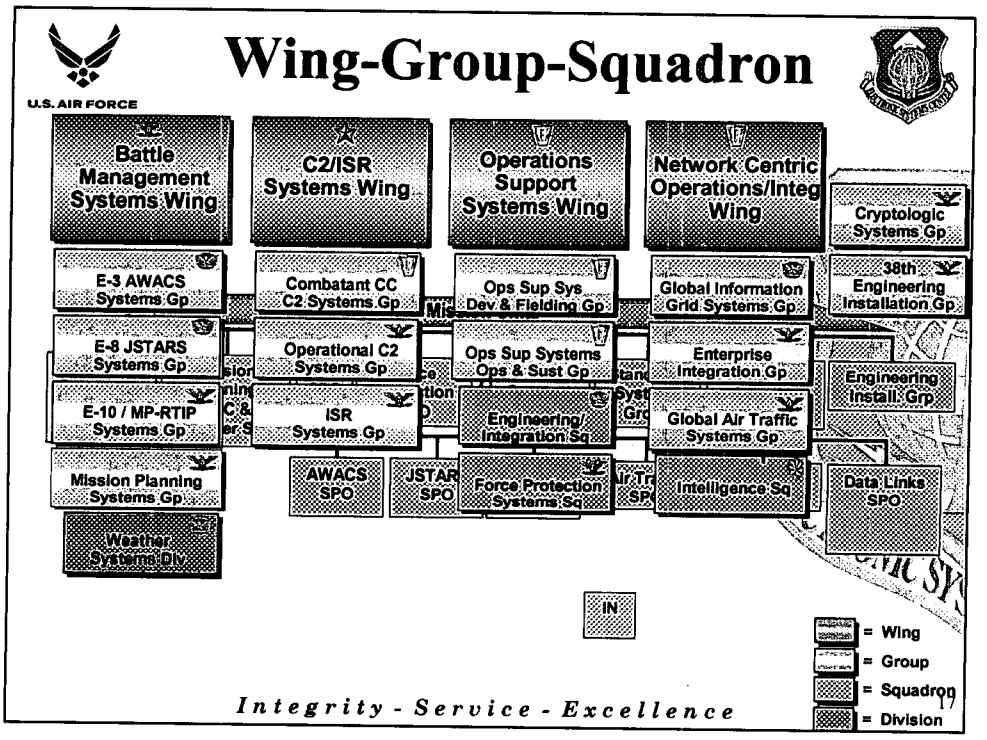
Microsystems
GD
Lincoln Lab
Lockheed
Harvard
Draper Labs
MIT
BU
GTE
Northeastern
University
BC

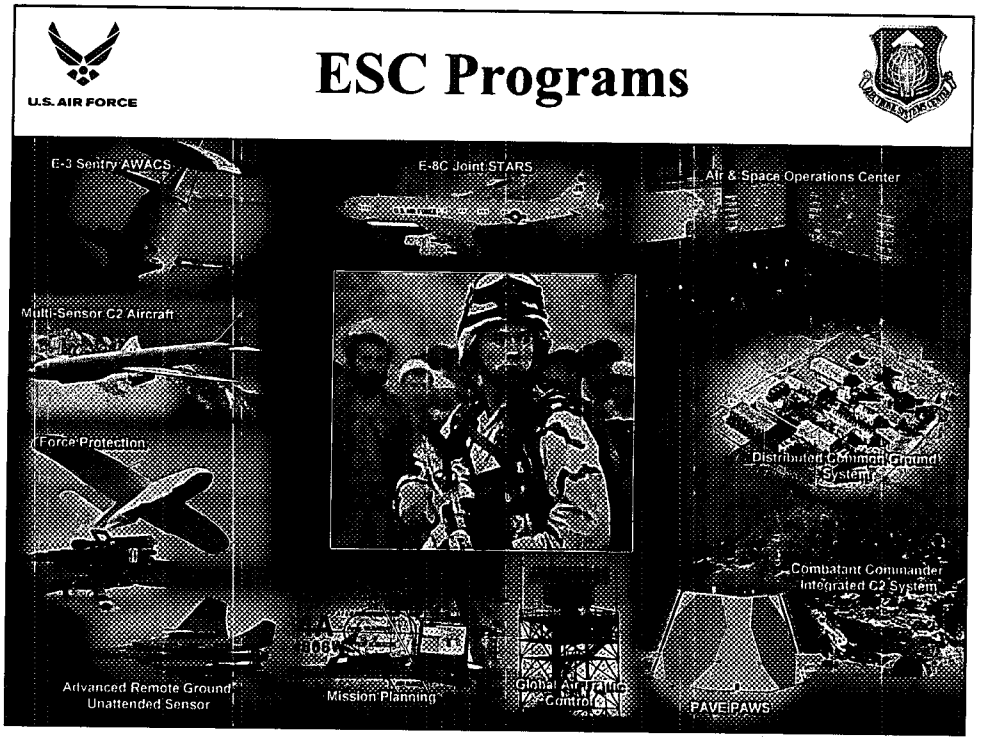

U.S. AIR FORCE
WORKLOAD
PEO Realignment
ESC Mission Overview
A Whole New Ballgame
DAC Programs: 44
PEO Programs: 82
New Assignments
Total Programs: 126 (175?)
Integrity - Service - Excellence
13


U.S. AIR FORCE
ESC Before
CC Support Staff
CAG – Protocol - Admin
ESC/CC
Director of Staff
Support Staff
66 ABW
BA
HO
IG
PA
JA
SE
AE
FM
FA
EN
PK
XP
IN
Mission Units
Nuclear Deterrence SPO
Mission Planning & Weather SPO
ISR SPO
Force Protection SPO
Materiel Systems Group
Standards Systems Group
Cryptologic Systems Group
Engineering Install Grp
Air Traffic SPO
Integration SPO
Data Links SPO
PEO
PEO (Pentagon) Programs
AWACS SPO
JSTARS SPO
E-10 SPO
Nuclear Deterrence SPO
AOC SPO
Data Links SPO
14


ESC PEO Restructure
U.S. AIR FORCE
CC Support Staff
CAG - Protocol - Admin
PEO - ESC/CC
Director of Staff
Support Staff
66 ABW
BA
HO
IG
PA
JA
SE
AE
FM
FA
EN
PK
XP
IN
Mission Units
Nuclear Deterrence SPO
Mission Planning, AOC & Weather SPO
ISR SPO
Force Protection SPO
Materiel Systems Group
Standards Systems Group
Cryptologic Systems Group
Engineering Install. Grp
Air Traffic SPO
Integration SPO
Data Links SPO
PEO
PEO (Pentagon) Programs
Former PEO (Pentagon) Programs
AWACS SPO
JSTARS SPO
E-10 SPO
Nuclear Deterrence SPO
AOC SPO
Data Links SPO
15


Center Restructure
U.S. AIR FORCE
CC Support Staff
CAG - Protocol - Admin
PEO - ESC/CC
Director of Staff
Deputy for Support
Deputy for Acquisition
Support Staff
66 ABW
BA
HO
IG
PA
JA
PA
SE
AE
FM
FA
EN
PK
XP
IN
Mission Units
Nuclear Deterrence SPO
66
Mission Planning, AOC & Weather SPO
ISR SPO
Force Protection SPO
Materiel Systems Group
Standards Systems Group
Cryptologic Systems Group
Engineering Install. Grp
AWACS SPO
JSTARS SPO
E-10 SPO
Air Traffic SPO
Integration SPO
Data Links SPO
Integrity - Service - Excellence
16


Wing-Group-Squadron
U.S. AIR FORCE
Battle Management Systems Wing
C2/ISR Systems Wing
Operations Support Systems Wing
Network Centric Operations/Integ Wing
Cryptologic Systems Gp
E-3 AWACS Systems Gp
Combatant CC C2 Systems Gp
Ops Sup Sys Dev & Fielding Gp
Global Information Grid Systems Gp
38th Engineering Installation Gp
E-8 JSTARS Systems Gp
Operational C2 Systems Gp
Ops Sup Systems Ops & Sust Gp
Enterprise Integration Gp
Engineering Install. Grp
E-10 / MP-RTIP Systems Gp
ISR Systems Gp
Engineering/ Integration Sq
Global Air Traffic Systems Gp
Mission Planning Systems Gp
AWACS SPO
JSTAR SPO
Force Protection Systems Sq
Intelligence Sq
Data Links SPO
Weather Systems Div
IN
= Wing
= Group
= Squadron
= Division
Integrity - Service - Excellence

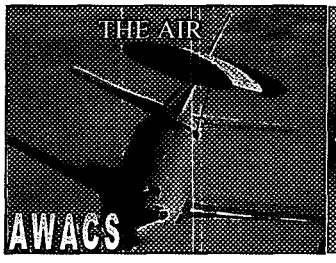

ESC Programs
U.S. AIR FORCE
E-3 Sentry AWACS
E-8C Joint STARS
Air & Space Operations Center
Multi-Sensor C2 Aircraft
Force Protection
Distributed Common Ground System
Combatant Commander Integrated C2 System
Advanced Remote Ground Unattended Sensor
Mission Planning
Global Air Traffic Control
PAVE PAWS

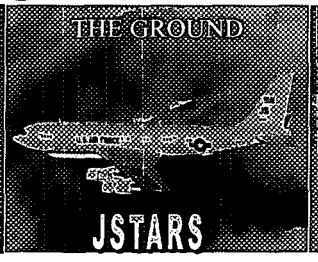
U.S. AIR FORCE

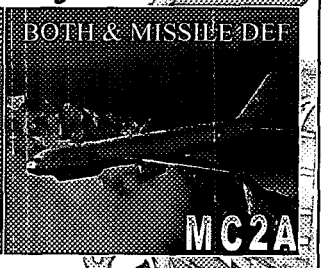
Command & Control Aircraft

ESC Mission Overview

Providing the Battle Picture for:







Air surveillance, weapons control, & battle management 250 mi. in all directions

Users: US, NATO, UK, France, Japan, Saudi Arabia, Australia, Turkey

Long endurance, all weather, near-real time surveillance, Moving Target Indicator and Synthetic Aperture Radar Images

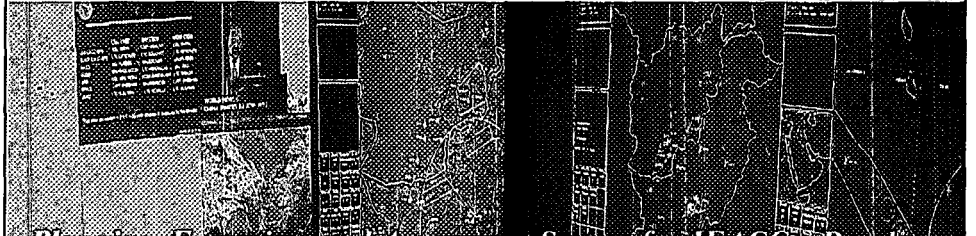
Next Gen Surveillance, Surface Target Engagement & Battle Management, Cruise Missile Defense, Onboard Combat Ops & ISR Management For Time Critical Targeting

Global Awareness

U.S. AIR FORCE

Air & Space Operations Center

ESC Mission Overview



Planning, Execution, and Assessment System for JFACC...Develops Aerospace Operations Strategy & Planning Documents...Tasks & Executes Day-to-Day (Peacetime/Combat) Aerospace Operations...Provides Rapid Reaction, Positive Control, Coordination & De-confliction

Users: USAF Major Commands, Combatant Commands, Air National Guard, Reserves

Gives Commander Tools to Control Air Power

U.S. AIR FORCE

Security Systems Force Protection

ESC Mission Overview

Using the latest in technology

- *Unmanned Aerial Vehicles*
- *Infrared cameras*
- *Microwave sensors*
- *Automated entry control*

Users: USAFE, Air Force Security Forces, US Army, US Navy, Marines, and other Govt. agencies

Protecting Air Force Assets

U.S. AIR FORCE

ESC Mission Overview

"The Buzzword is Integration"

General John P. Jumper, Chief of Staff, United States Air Force

Integrity - Service - Excellence

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U.S. AIR FORCE

ESC Mission Overview

Integrity - Service - Excellence

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U.S. AIR FORCE

War Winning Success

ESC Mission Overview

– *Hanscom Programs*

1. **Sensors that can accurately locate and correctly identify the targets**
   - *AWACS, JSTARS, Eagle Vision, DCGS, MP-RTIP, IBS...*
2. **Command centers that can plan missions and assign weapons/aircraft to targets**
   - *Air Operations Centers, AFMSS, TBMCS, BCS...*
3. **Communications that can relay the target coordinates to the selected aircraft**
   - *Link 16, SADL, Milsatcom, TDC, COT...*
4. **Navigation systems that can provide precise location of the aircraft, the weapon and the target**
   - *GPS, M-Code, GPS Anti-Jam, FDIS...*

Integrity - Service - Excellence

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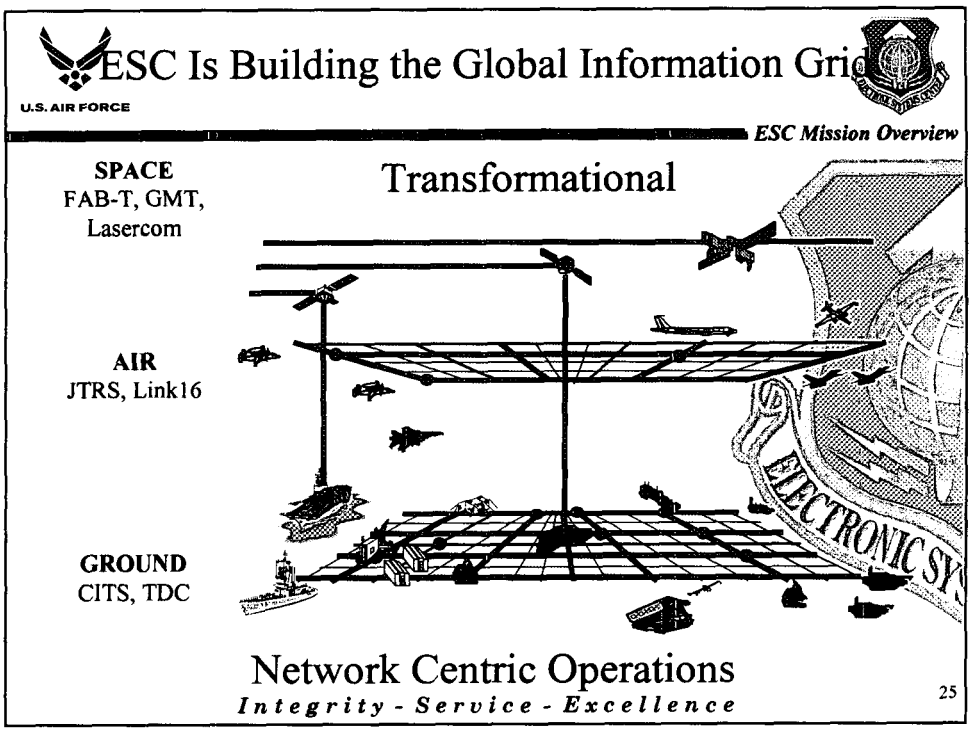
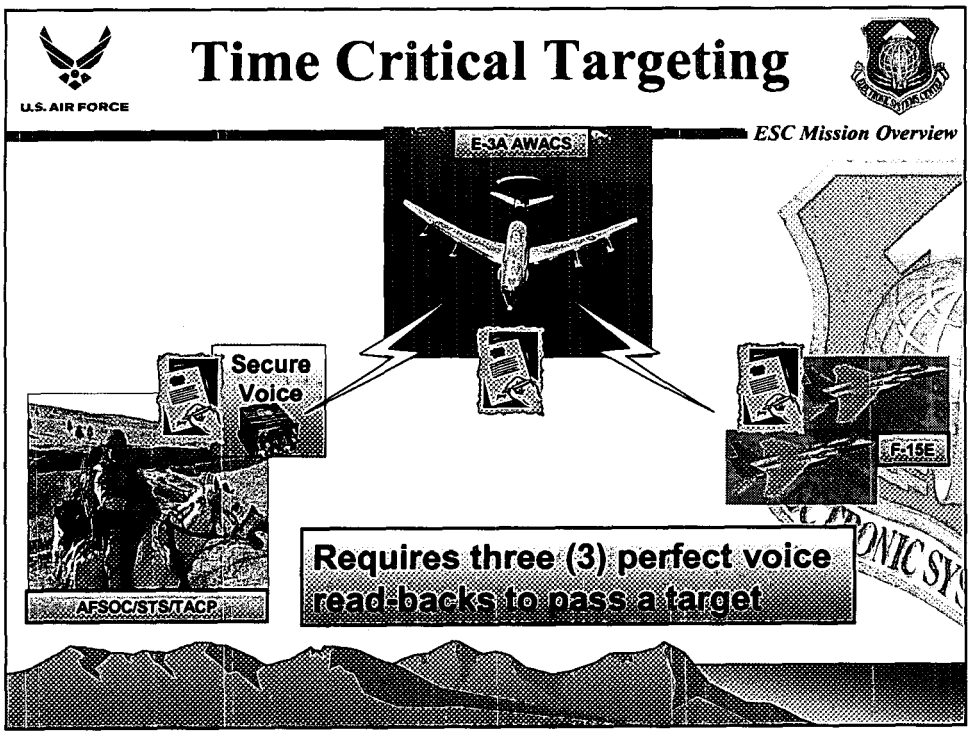
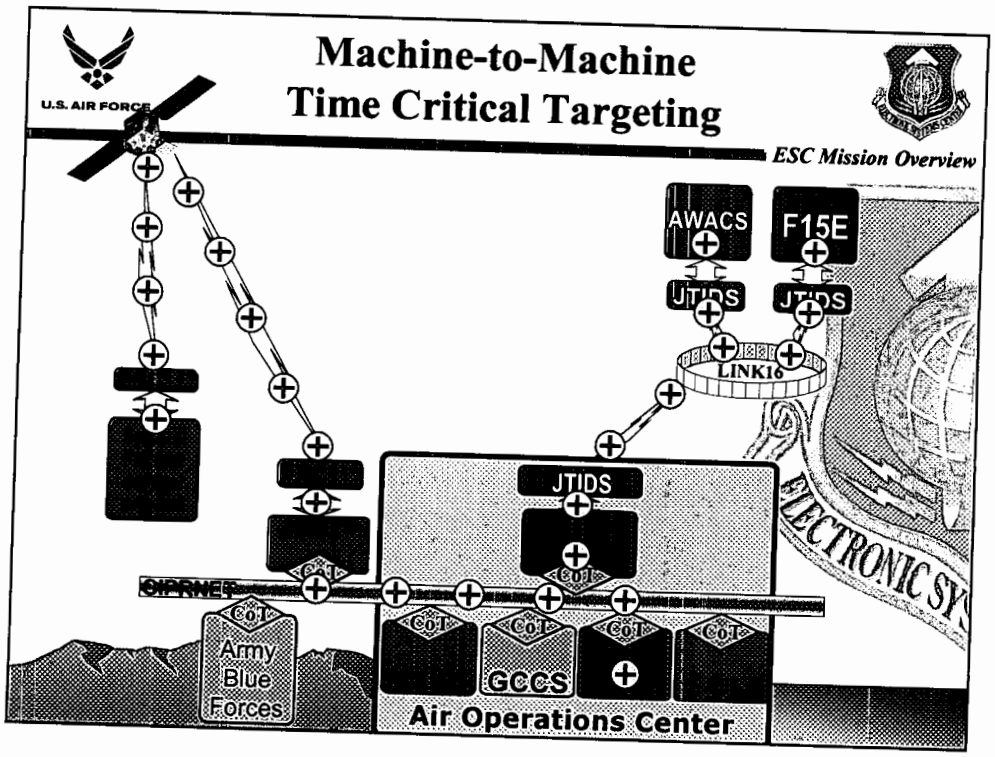
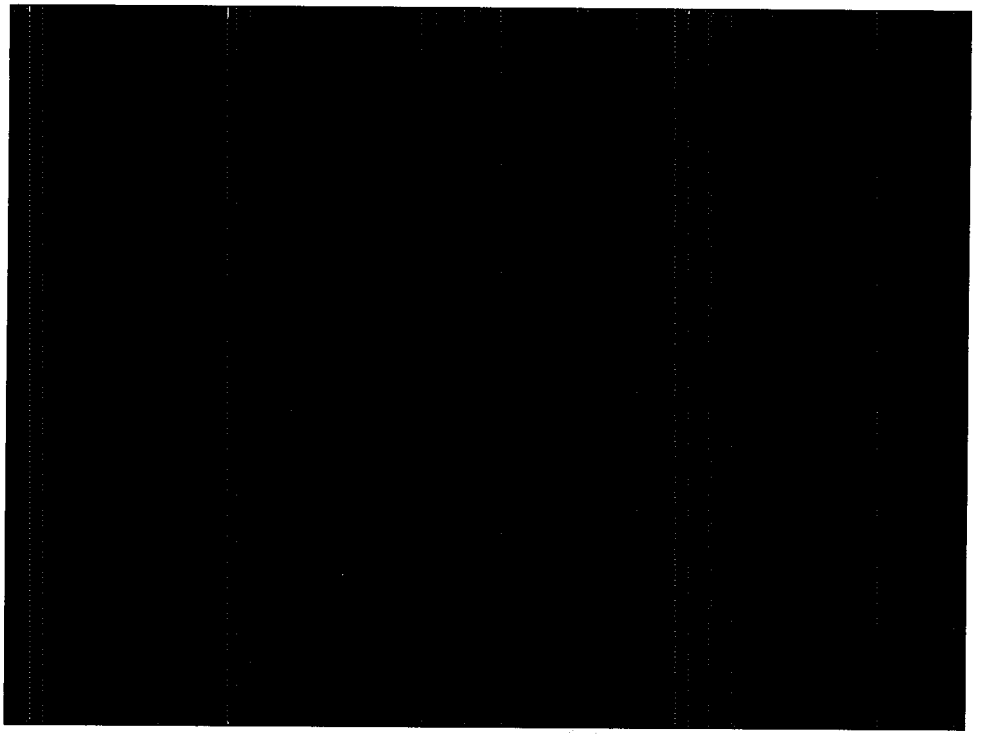

ESC Is Building the Global Information Grid
U.S. AIR FORCE
ESC Mission Overview
SPACE
FAB-T, GMT,
Lasercom
Transformational
AIR
JTRS, Link16
GROUND
CITS, TDC
Network Centric Operations
Integrity - Service - Excellence
25


Time Critical Targeting
U.S. AIR FORCE
ESC Mission Overview
E-3A AWACS
Secure
Voice
F-15E
AFSOC/STS/TACP
Requires three (3) perfect voice
read-backs to pass a target


U.S. AIR FORCE
Machine-to-Machine
Time Critical Targeting
ESC Mission Overview
AWACS
F15E
JTIDS
JTIDS
LINK16
JTIDS
CoT
CoT
CoT
CoT
CoT
CoT
Army
Blue
Forces
GCCS
Air Operations Center

U.S. AIR FORCE
ESC & Hanscom AFB
ESC Mission Overview
A Rich Heritage…
Incredible Air Force People Shaping the Future…
…Putting the Cursor On the Target

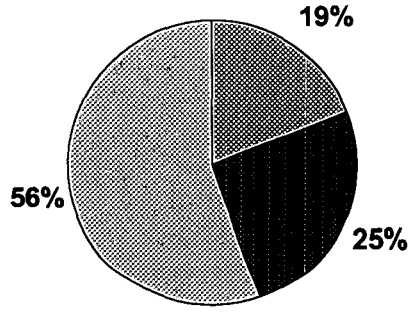
No One Comes Close



U.S. AIR FORCE

AUTHORIZATIONS
Greater ESC

ESC Mission Overview



Integrity - Service - Excellence

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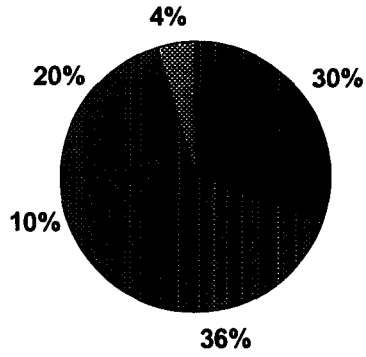
U.S. AIR FORCE

ESC Mission Overview



Integrity - Service - Excellence

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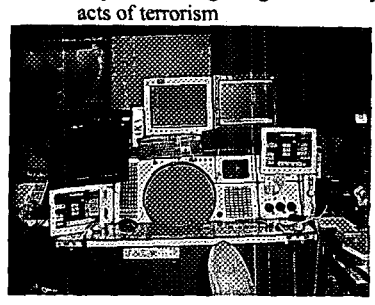
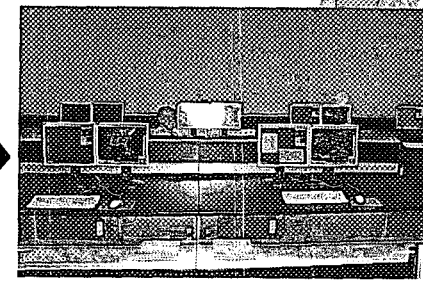
U.S. AIR FORCE

Battle Control System-Fixed (BCS-F) Spiral 1

ESC Mission Overview

- Replaces 1970's legacy C2 system & interim interior FAA solution for Homeland Defense
  - Playstation 2 has more capacity than legacy system
- BCS-F is a open architecture system providing NORAD/CC with a Joint Battle Management Command and Control system for Homeland Defense
  - Contractor independently assessed Capability Maturity Model (CMM) Level 5
  - Capable of integrating with civil systems in the National Capitol Region to provide protection from acts of terrorism





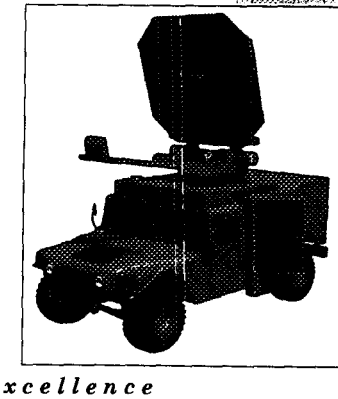
BCS-F is NORAD's Homeland Air Defense node for the Global War on Terrorism

U.S. AIR FORCE

Force Protection

ESC Mission Overview

- **Smart Gate Technology**
- **Active Denial Systems**



Integrity - Service - Excellence

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Farrington, Lester, CIV, WSO-BRAC

From: Raines Christopher R Capt OSSW/CCE [Christopher.Raines@hanscom.af.mil]
Sent: Thursday, July 21, 2005 3:06 PM
To: Leshin Stewart Civ ESC/XP
Cc: Temple David J Col ESC/BR; Weber Frank P SES OSSW/CD; Delaney Joe F Civ ESC/OS; 'lester.farrington@wso.whs.mil'
Subject: RE: BRAC Visit to Hanscom AFB

Mr Leshin – I'll put down all my notes from my conversation with Mr Farrington to see if I can't save us all some time on this topic:

Mr Farrington would like to discuss all BRAC receiving activity for Hanscom AFB.

He would like us to address as a receiving facility all of the in/out of Hanscom activities as laid out in the DoD report – people involved in the moves, what functions are moving, how that may contribute to synergy/efficiency, etc. This would include AFRL, ESC, all of our Hanscom activities.

He would like a briefing to lay out the existing base facilities, lay out what Hanscom expects to receive and how we plan to accommodate for those assets, preferably on a color-coded layout, either building by building or area by area. Essentially, what's our plan for the people and equipment that will be coming here?

Also, he would like an update from Mr Weber on activity since their discussions in Montgomery a few weeks ago – and I imagine that this would apply to other ESC units/AFRL/etc.

Mr Farrington also might want/need to tour Hanscom.

Hope this helps a little.

V/R
Chris

Christopher R. Raines, Capt, USAF
Executive Officer
Operations Support Systems Wing
(781) 377-6421
DSN 478-6421

From: Leshin Stewart Civ ESC/XP
Sent: Thursday, July 21, 2005 2:26 PM
To: 'lester.farrington@wso.whs.mil'
Cc: Temple David J Col ESC/BR; Raines Christopher R Capt OSSW/CCE; Angelini Joseph Civ ESC/XP; Charles Paone (Paone Charles F Civ ESC/PA); Ceteras Timothy Col 66 ABW/CC; ONeill Bob A Col ESC/DS; Weber Frank P SES OSSW/CD; Johnson Bruce A Col ESC/XP; Brennan Sheila Civ ESC/DP; Eccleston Gregory D Civ ESC/DPR; Perkins Chris Civ 66 MSG/CEG; James O'Rourke (O'Rourke James Civ 66 MSG/SCX); Schluckebier Thomas J Col 66 ABW/CV; Zallas Nick Col 66 ABW/CCR; Mitchell Mary Jane Civ ESC/XP
Subject: BRAC Visit to Hanscom AFB
Importance: High

Mr. Farrington:

Good afternoon. I will be your POC for your Friday 29 July 05 visit to Hanscom AFB. I know you have been speaking with Captain Raines but if you could repeat what you hope to achieve on Friday, I will do my best to ensure that the right people are available to speak with you and share what we know about the effect of the BRAC decisions on Hanscom AFB and its Geographically Separated Units.

Stewart A. Leshin

Stewart A. Leshin, GS-14, DAF

Hanscom BRAC Trusted Agent
ESC/XPX
5 Eglin Street
Hanscom AFB, MA 01731

Tel. 781-377-1276
DSN: 478-1276
Fax: x8157

DCN:11659

Farrington, Lester, CIV, WSO-BRAC

From: Leshin Stewart Civ ESC/XP [Stewart.Leshin@hanscom.af.mil]
Sent: Thursday, July 28, 2005 8:41 AM
To: 'lester.farrington@wso.whs.mil'
Subject: Latest Agenda
Attachments: 29 Jul - Farrington Agenda.doc

Mr. Farrington:

Good morning.

My cell phone is 781-354-0200. My office phone is 781-377-1276. Will you have a cell phone with you? Would you mind sharing the number so I can reach you tomorrow if things appear to be going awry? Some slight changes in the agenda. Please see the attached.

Stewart A. Leshin

Stewart A. Leshin, GS-14, DAF

Hanscom BRAC Trusted Agent
ESC/XPX
5 Eglin Street
Hanscom AFB, MA 01731

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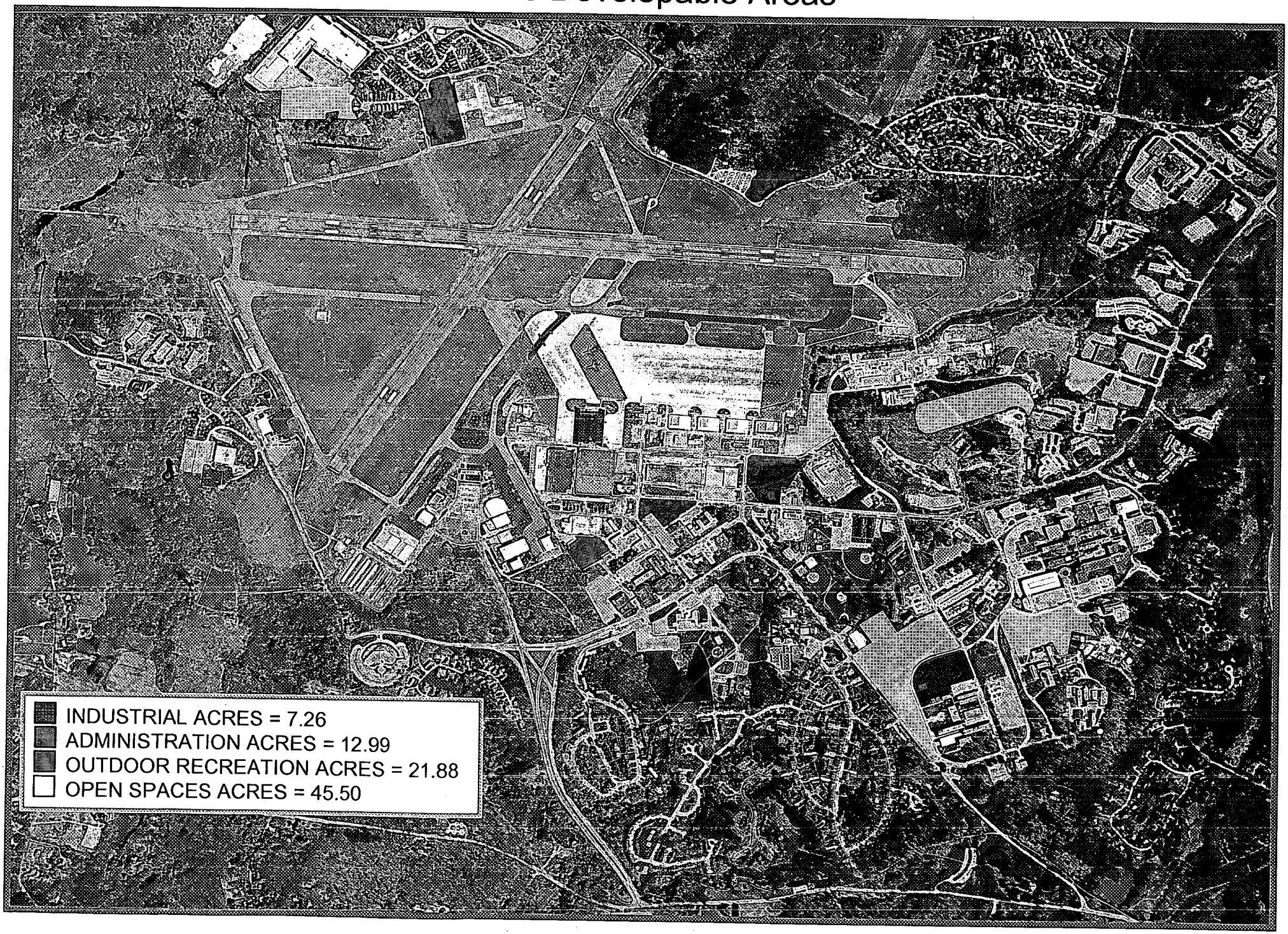
DCN:11659

Agenda for Mr. Les Farrington Visit

FRIDAY (29 JUL)

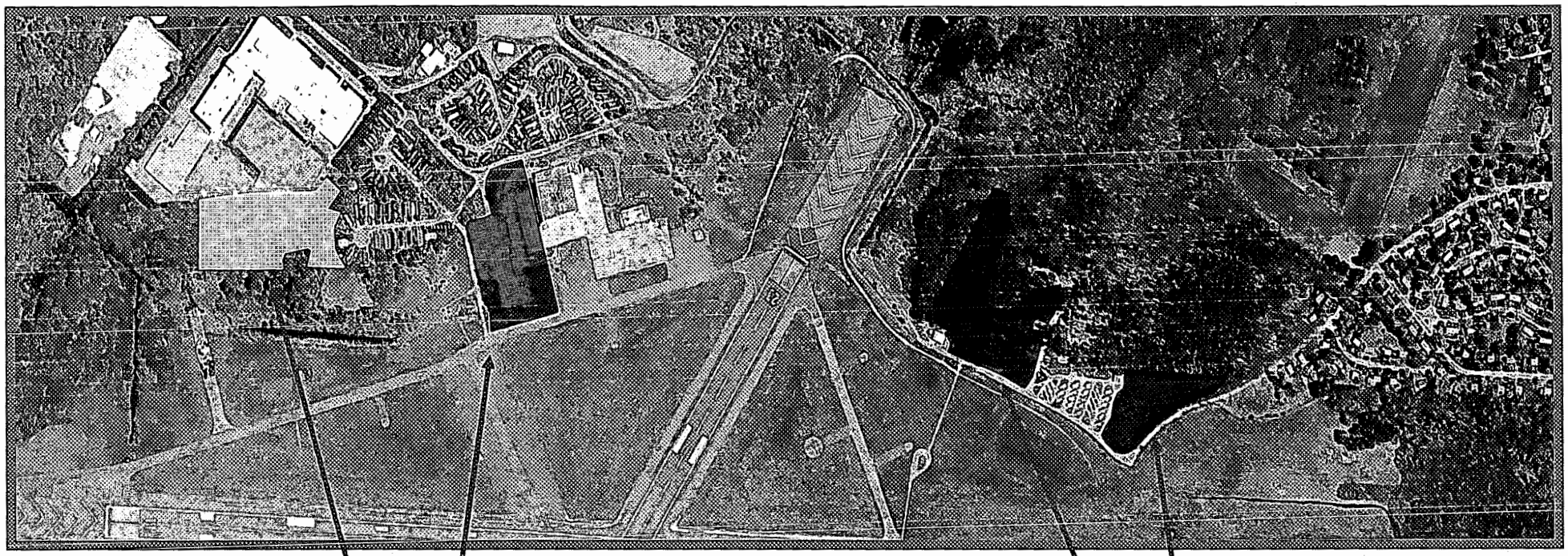
TIME	EVENT (LOCATION)	BRIEFER
1000	Mr Farrington arrives (Brown Bldg)	
1000-1025	ESC Mission Brief (Brown Conf Rm)	Col Dave Temple
1025-1125	- BRAC Actions • BRAC organizational moves affecting Hanscom - Site survey results vice COBRA data • Manpower • Communications • Facilities	Col Dave Temple
	- Phasing	Col Tim Ceteras
	- Beddown	Mr. Chris Perkins
1125-1150	Meeting w/Mr Weber (Brown Conf Room)	Mr Frank Weber & Col Dave Temple
1200-1330	Lunch with ABW Rep, ESC/XP & AFRL Discussions w/AFRL/SN/VS (ABW CAG reserved table for eight in Daedalian Room. Attendees will go through lunch line.)	Daedalian Room
1330-1445	Base Tour (Surrey)	Col Tim Ceteras Col Dave Temple Col Tom Schluckebier Mr. Chris Perkins Mr. Joe Mittleman Mr. Louis Michaud
1445	Mr. Farrington departs	

Hanscom AFB
Future Developable Areas



DCN:11659

Hanscom AFB
Future Developable Areas

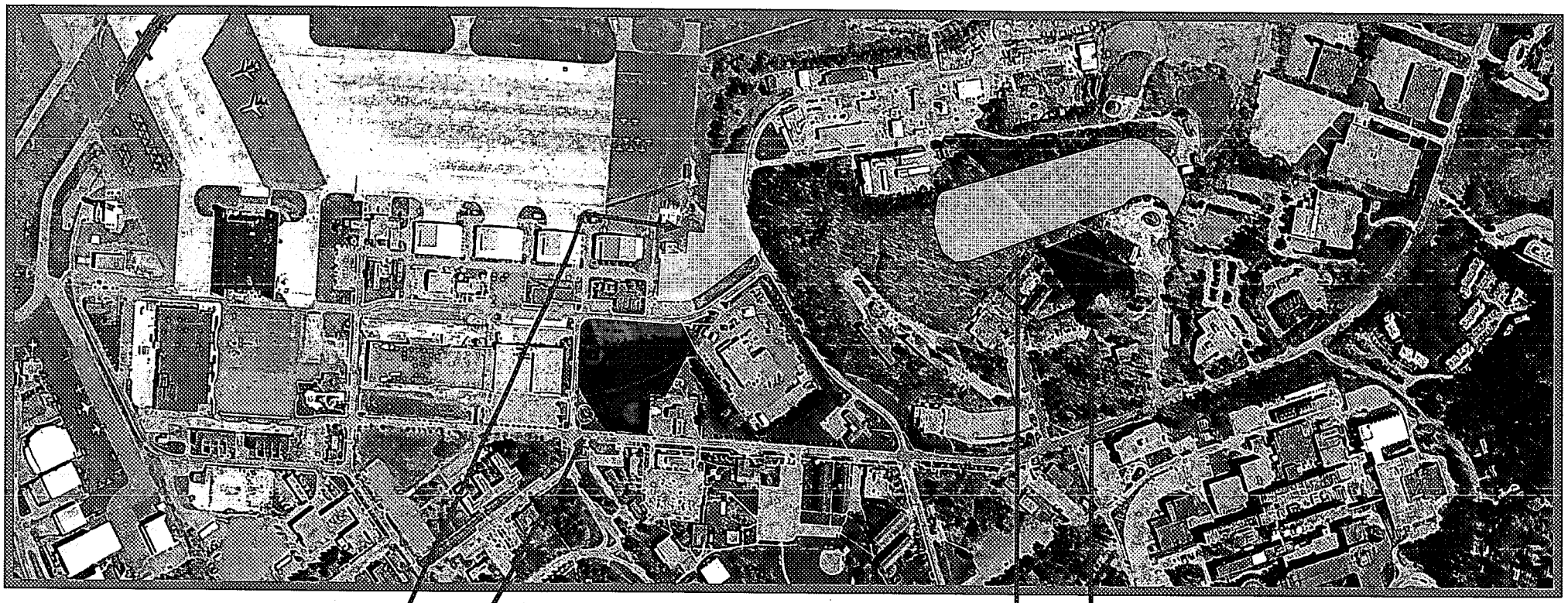


INDUSTRIAL ACRES = 7.26
OPEN SPACES ACRES = 6.11
OUTDOOR RECREATION ACRES = 6.39
OUTDOOR RECREATION ACRES = 3.34

NOT RELEASABLE UNDER FOIA

DCN:11659

Hanscom AFB
Future Developable Areas



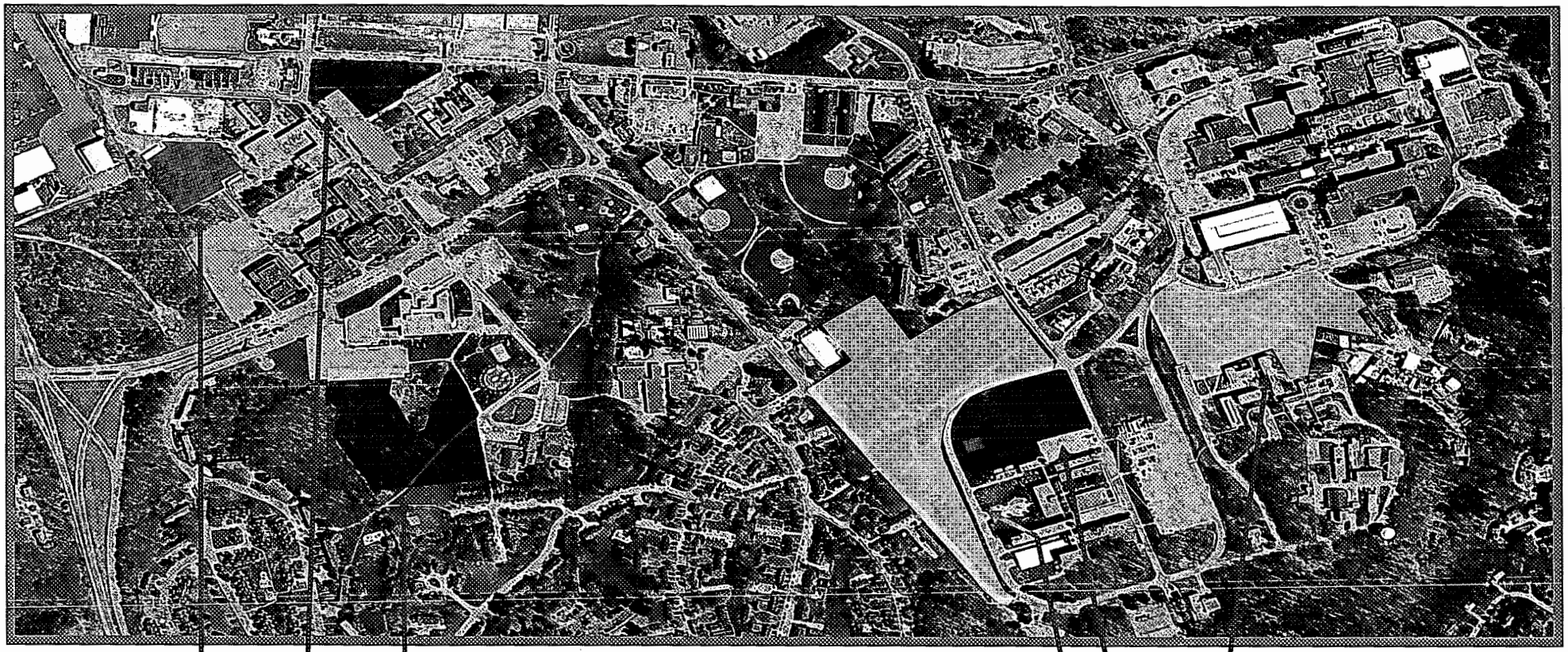
RECREATION ARCES = 4.73
OPEN SPACES ACRES = 3.18
OPEN SPACES ACRES = 9.44
ADMINISTRATION ARCES = 2.22

NOT RELEASABLE UNDER FOIA

DCN:11659

Hanscom AFB
Future Developable Areas

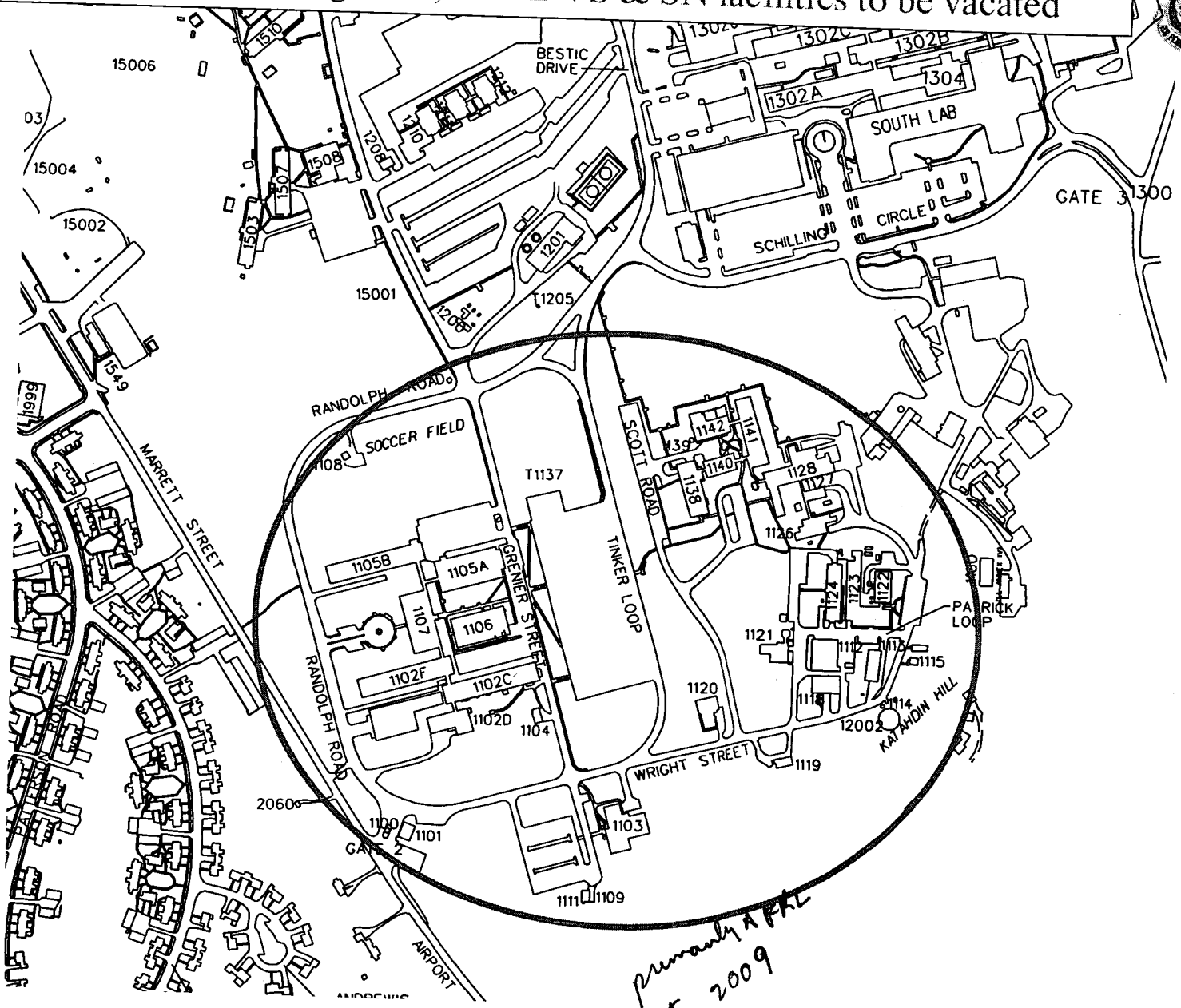
Page 4



OUTDOOR RECREATION ARCES = 7.42
ADMINISTRATION ARCES = 2.84
ADMINISTRATION ARCES = 2.46
OPEN SPACES ACRES = 18.27
ADMINISTRATION ARCES = 5.47
OPEN SPACES ARCES = 8.48

NOT RELEASABLE UNDER FOIA

460,978 SF of existing Base, AFRL VS & SN facilities to be vacated



primarily AFRL
out 2009

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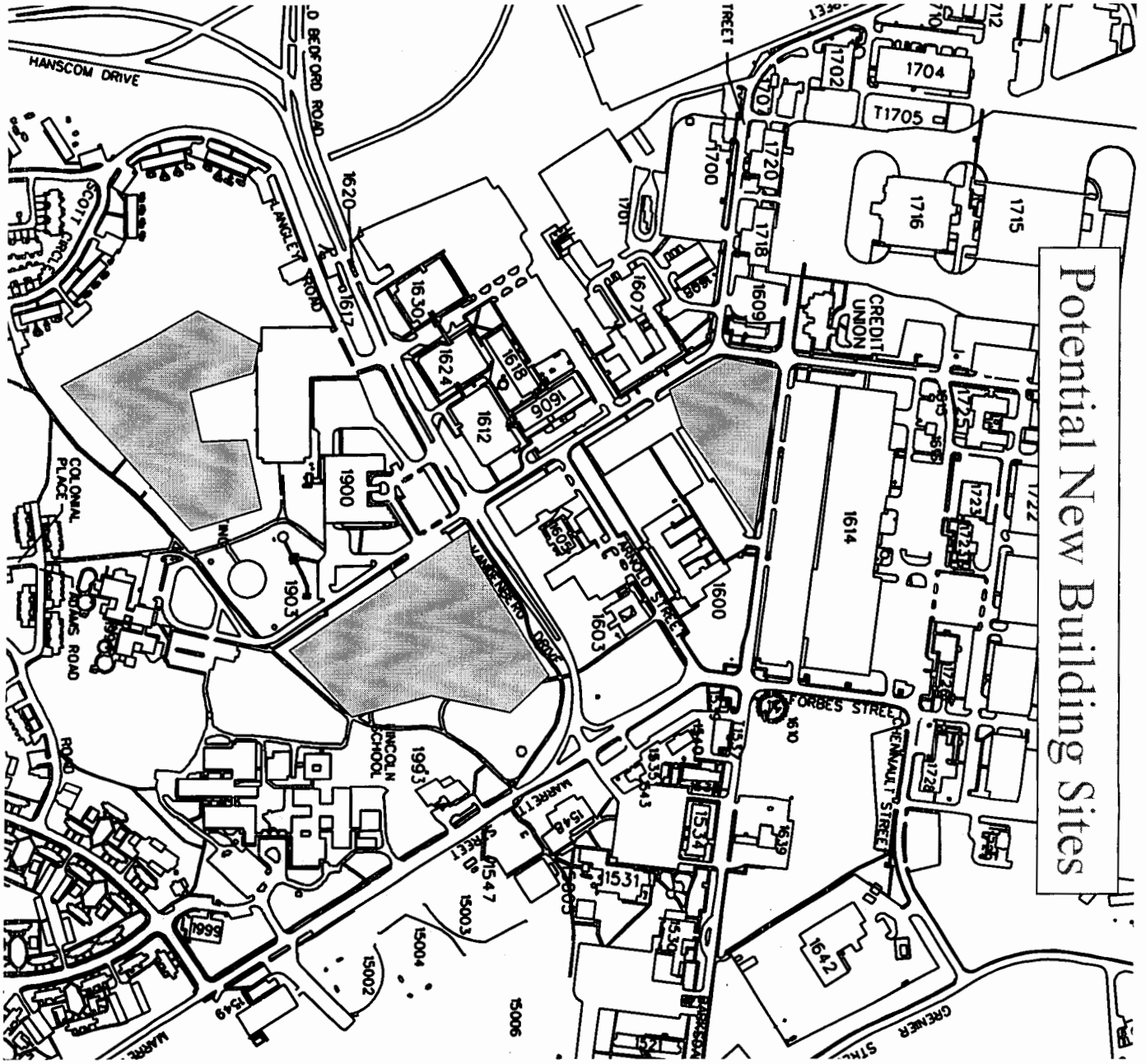
Potential New Building Sites
HANSCOM DRIVE
BEDFORD ROAD
LANGLEY ROAD
SCOTT CIRCLE
COLONIAL PLACE
ADAMS ROAD
LINCOLN SCHOOL
MARKETT STREET
LANGLEY DRIVE
PERCOLD STREET
FORBES STREET
DENNAULT STREET
CREDIT UNION
GREENER
1704
T1705
1716
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1999
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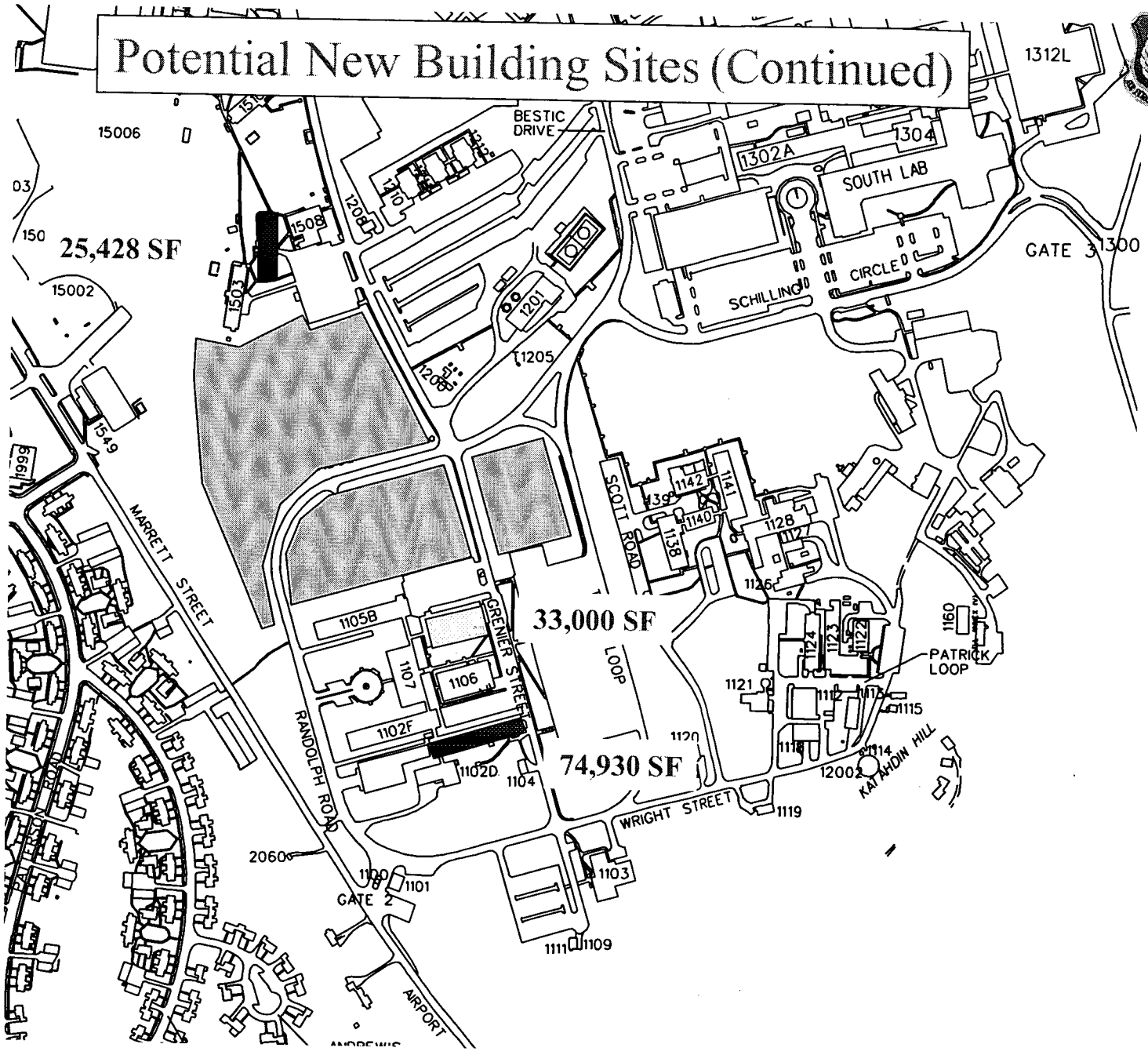
1549

Potential New Building Sites (Continued)



DCN:11659

DCN:11659

HANSCOM DRIVE
OLD BEDFORD ROAD
GRIFFISS STREET
BANSDALE STREET
FORBES STREET
FRANKLIN STREET
CREDIT UNION
VAN ORSDALE DRIVE
ICE SKATING RINK
COLONIAL PLACE
FREEDOM CIRCLE
DAWES TERRACE
HERITAGE ROAD
CONSTITUTION DRIVE
LIBERTY LANE
PRESCOTT PLACE
CLARK CIRCLE
POPE TERRACE
MARCH LANE
LEWIS TERRACE
MARKET STREET
MASSACHUSETTS AVENUE
OFFUTT ROAD
ANDREW'S CIRCLE
RANDOLPH ROAD
SOCCER FIELD
CAKE
TOWER LOOP
SCOTT ROAD
WRIGHT STREET
KANNON HILL
PATRIOT LOOP
KIRTLAND STREET
GREEN STREET
SCHILLING CIRCLE
SOUTH LAB
HAMILTON STREET
HUNTER STREET
Shawsheen River
GATE 3
WOOD STREET
HARTWELL AVENUE

DCN:11659

HANSCOM DRIVE
OLD BEDFORD ROAD
CRAFTS STREET
BARSDALE STREET
CREDIT UNION
VARIEL ROAD
ORDES STREET
CONNELLY STREET
ONEIDA STREET
HUNTER STREET
HAMILTON STREET
GATE
HARTWELL AVENUE
WOOD STREET
KIRTLAND STREET
SOUTH LAB
SOCCER FIELD
RANDOLPH ROAD
WRIGHT STREET
SCOTT ROAD
TAKEN LOOP
MARCETT STREET
MASSACHUSETTS AVENUE
HERITAGE ROAD
LIBERTY LANE
PRESCOTT PLACE
CONSTITUTION DRIVE
DAWES TERRACE
FREEDOM CIRCLE
COLONIAL PLACE
ICE SKATING RINK
ELLIS TERRACE
POPE TERRACE
OFFUTT ROAD
ANDREW'S CIRCLE
Shawsheen River

Summary of Scenario Environmental Impacts - Criterion 8

Scenario ID#: TECH0042C

General Environmental Impacts	
Environmental Resource Area	**Edwards**
Air Quality	The base is in non-attainment for ozone (maintenance). An initial conformity analysis indicated that a conformity determination is not required. No air permit revision is necessary. A critical air quality region is located within 100 miles of the installation, but it does not restrict operations.
Cultural/ Archeological/ Tribal Resources	There are 2989 archaeological sites, and there is a native American tribe interested in burial sites on the installation but they do not impact operations. There are also 7 historic properties and 4 historic districts making up 8,461 acres. Additional operations may impact these areas which may impact operations.
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	No impact to land use from scenario
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	No increase in off-base noise is expected
Threatened& Endangered Species/ Critical Habitat	T&E species and critical habitats already restrict operations (use of high explosives on the range) with a Biological Opinion. Additional operations may impact T&E species and/or critical habitats. In addition, the Biological Opinion will need to be evaluated to ensure the scenario conforms to it.
Waste Management	No impact
Water Resources	No impact
Wetlands	Wetlands do not exist. No impact.

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... [30]

Impacts of Costs	
	Edwards
Environmental Restoration	DERA money spent through FY03 ($K): 277868 Estimated CTC ($K): 645215 DO NOT ENTER IN COBRA
Waste Management	None
Environmental Compliance	FY07 Air Conformity Analysis: $50K

General Environmental Impacts	
Environmental Resource Area	**Eglin**
Air Quality	No impact
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	No impact
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	No impact
Threatened& Endangered Species/ Critical Habitat	No impact
Waste Management	No impact
Water Resources	No impact
Wetlands	No impact

Impacts of Costs	
	Eglin
Environmental Restoration	DERA money spent through FY03 ($K): 72200 Estimated CTC ($K): 35142 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	No impact

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General Environmental Impacts	
Environmental Resource Area	**Hanscom**
Air Quality	An initial air conformity analysis indicated that a conformity determination is not needed. Carpooling initiatives are used as an emission reduction technique.
Cultural/ Archeological/ Tribal Resources	One archaeological site is present but does not constrain operations. A native American tribe is in contact, but not formally, with the base regarding cultural land. Additional operations may impact these sites, which may constrain operations.
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	The scenario requires roughly 40 acres; Hanscom reported it's largest parcel is 18.27 acres, and only 8.4 unconstrained acres are zoned for industrial ops. This scenario may require building on constrained acreage. Sensitive resource areas exist but do not constrain operations. Additional operations may impact these areas, which may constrain operations.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	No impact
Threatened& Endangered Species/ Critical Habitat	No T&E species or critical habitats exist. No impact to T&E species is expected.
Waste Management	The hazardous waste program will need modification.
Water Resources	The state requires a permit for withdrawal of groundwater.
Wetlands	Wetlands restrict 5% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

Impacts of Costs	
	Hanscom
Environmental Restoration	DERA money spent through FY03 ($K): 41797 Estimated CTC ($K): 10461 DO NOT ENTER IN COBRA
Waste Management	FY07 Hazardous Waste Program Modification: $100K
Environmental Compliance	FY06 NEPA cost: $336K FY07 Air Conformity Analysis $50K

General Environmental Impacts	
Environmental Resource Area	**Lackland**
Air Quality	No impact
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	No impact
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	No impact
Threatened& Endangered Species/ Critical Habitat	No impact
Waste Management	No impact
Water Resources	No impact
Wetlands	No impact

Impacts of Costs	
	Lackland
Environmental Restoration	DERA money spent through FY03 ($K): 50297 Estimated CTC ($K): 200559 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	No impact

General Environmental Impacts	
Environmental Resource Area	**Maxwell**
Air Quality	No impact
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	No impact
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	No impact
Threatened& Endangered Species/ Critical Habitat	No impact
Waste Management	No impact
Water Resources	No impact
Wetlands	No impact

Impacts of Costs	
	Maxwell
Environmental Restoration	DERA money spent through FY03 ($K): 19123 Estimated CTC ($K): 7713 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	No impact

General Environmental Impacts	
Environmental Resource Area	**Wright-Patterson**
Air Quality	No impact
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	No impact
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	No impact
Threatened& Endangered Species/ Critical Habitat	No impact
Waste Management	No impact
Water Resources	No impact
Wetlands	No impact

Impacts of Costs	
	Wright-Patterson
Environmental Restoration	DERA money spent through FY03 ($K): 156972 Estimated CTC ($K): 34261 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	No impact

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Criterion 8 JPAT Report

Purpose

This report summarizes and documents the approach and process used by the Base Realignment and Closure (BRAC) 2005 Selection Criterion 8 Joint Process Action Team (JPAT).

Criterion 8

"The environmental impact, including the impact of costs related to potential environmental restoration, waste management, and environmental compliance activities."

Executive Summary

The Office of the Secretary of Defense (OSD)-authorized JPAT was established to develop a Department of Defense (DoD)-wide approach to application of

BRAC Final Selection Criterion 8. The JPAT was tasked to define the aspects of the criterion and develop a process that would appropriately analyze the environmental impacts specified in the criterion. The JPAT would also develop a process for arraying the certified environmental data gathered for use by the Military Departments (MilDeps) and Joint Cross-Service Groups (JCSGs) in their analyses.

Authority

The BRAC statute requires that the foundation for Secretary of Defense base realignment and closure recommendations be "the force structure plan and infrastructure inventory prepared by the Secretary under section 2912 and the final selection criterion prepared by the Secretary under section 2913." As such, the JCSGs and MilDeps need to ensure that all eight final selection criteria are considered in developing the recommendations that will be forwarded to the Secretary of Defense.

Establishment

Exercising authority provided by the BRAC 2005 Infrastructure Steering Group (ISG), the OSD BRAC Director and the MilDep Deputy Assistant Secretaries responsible for the BRAC process (known as the "BRAC DASs"), established a JPAT for Selection Criterion 8, commonly known as "Environmental Impact." The Department of the Navy (DON) was designated the lead MilDep for the effort.

Direction

The BRAC DASs directed the JPAT to develop a DoD-wide approach to application of

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BRAC Selection Criterion 8.

Mission and Concept

The JPAT was tasked to define the aspects of the criterion and identify a process for decision makers to appropriately consider environmental impact as required under Criterion 8. As to defining the criterion aspects, the fundamental difference between BRAC 1995 and BRAC 2005 is that additional language was added in the Defense Base Closure and Realignment Act of 1990, as amended through FY04 Authorization Act (Statute) to Criterion 8. In BRAC 1995, by DoD policy, Criterion 8 simply required

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that the decision makers consider "the environmental impact" with no further definition or clarification. For BRAC 2005, the Criterion 8 Final Selection Criteria language,

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the Statute, requires that the decision makers consider, "the environmental impact, including the impact of costs related to potential environmental restoration, waste management, and environmental compliance activities." This criterion, in these terms, is not specifically defined in the statute. The JPAT's

mission was therefore to establish the parameters of these terms for analysis and consideration by the decision makers. It was agreed that the terms "environmental impact", "environmental restoration", "waste management" and "environmental compliance" would be used and considered in the same context as they are defined in existing federal environmental laws and regulations, as well as in DoD and MilDep implementing policies

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The JPAT was also tasked with developing a process for meeting the requirements of Criterion 8. In this regard, the JPAT developed three primary deliverables:

A template for the Installation Environmental Profiles (Appendix 1 draft) to be compiled by the host MilDeps or host Defense Agency no later than 1

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August 2004, from the certified data call responses to the environmental questions

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and encroachment portion of the Capacity Data Call

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- The final template for Appendix 1 will be completed by the JPAT no later than 2 June 2004;

A template for the Summary of Scenario Environmental Impacts (Appendix 2) to be

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JCSG proposing the scenario and then finalized by the

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host MilDep upon receipt of a specific, viable scenario from the JCSG.

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The draft Summary provided by JCSG to the host MilDep or Defense Agency should include all pertinent information on the scenario and any environmental impacts anticipated by the JCSG.

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This Summary will only be required for viable scenarios

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that the JCSG and /or MilDep decide warrants a

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they want to pursue further after they have completed all

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COBRA analysis. The Summary

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on that particular scenario), and

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will be based on the impacted installation(s) Profile(s) as described above, and the environmental data contained in the first Data Call and the particular scenario data call; and,

A template for the Summary of Cumulative Scenarios' Environmental Impacts (Appendix 3) which will document consideration of the cumulative environmental impacts of the final group of scenarios (namely, those scenarios that will be formally forwarded as recommendations) on a

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particular gaining installation.

Organization and Responsibilities

The Deputy Assistant Secretary of the Navy (Infrastructure Strategy and Analysis) DASN (IS&A) was designated the

Executive Agent for the JPAT. In that role, she was responsible for:

a. Overseeing the work of the JPAT
b. Presenting an approach and suggested data questions to the ISG for approval

The DASN (IS&A) subsequently identified the DON Infrastructure Analysis Team (IAT) Environmental Lead as the Executive Agent Functional Representative to provide day-to-day guidance and support to the JPAT.

The JPAT was composed of members from each of the MilDeps, along with members from the Office of the Secretary of Defense (Acquisition, Technology and Logistics). Representatives from the Defense Logistics Agency were added to the JPAT April 2004. The DoD IG, General Accounting Office, and the Naval Audit Service were process observers.

JPAT members were responsible for the following:

a. Developing a process to support Criterion 8 requirements.

b. Reviewing the BRAC 2005 Public Law, existing DoD policy and guidance to ensure compliance.

c. Providing a draft report on the process, including recommended integration of the environmental questions from the first

Data Call.

d. Developing suggested templates for displaying data and assessing impacts for MilDep and JCSG consideration.

Process Development Approach

Prior to the formal establishment of the JPAT, MilDep environmental experts worked together from September through December of 2003 to develop data call questions with deliberate focus on how the data gathered by these questions could be used by the decision makers and to meet the legal requirements under Criterion 8. The goal was also to create a common set of environmental questions that were not duplicative, overlapping or inconsistent. These joint MilDep environmental questions, once synthesized through the DoD Question Review Team (QRT) process, became the environment and encroachment questions (Appendix 4) in the first

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Data Call, which was approved by the Infrastructure Steering Group (ISG). The JPAT subsequently agreed that the answers to most of these questions provide sufficient data for use in the Profile portion of the Criterion 8 process.

It is important to note that the Criterion 8 process is not an Environmental Assessment or Impact Study under National Environmental Policy Act (NEPA). Per the BRAC statute (Section 2905(c) of the Defense Base Closure and Realignment Act of 1990,

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s amended through FY04 Authorization Act), the NEPA process is not triggered until the implementation of the BRAC recommendations. This Criterion 8 process is rather an effort to efficiently package and analyze the certified environmental data, thus making it easily accessible to the JCSGs and MilDeps for integration into their scenario formulation and recommendation development and analysis process.

The JPAT formed officially in January 2004 and met approximately every other week from inception. The initial tasks were to review process suggestions proposed by the MilDep representatives and develop consensus on the process between the services. After

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evaluation of numerous approaches proposed by the MilDep and OSD representatives, the JPAT reached consensus. The ISG was briefed generally on April 23, 2004 on the process.

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more specifically outlined in this report

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. The general philosophy of the analysis process is to gather sufficient comprehensive environmental data in key environmental resource areas and effectively array that data to allow the decision maker to integrate environmental considerations into the scenario and recommendation making process, and consider any impact of costs associated with

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potential, scenario-triggered environmental restoration, waste management, or environmental compliance costs.

The JPAT will conduct a mock scenario run in the May/June 2004 timeframe to exercise the Criterion 8 process and develop guidelines for compiling Appendices 1 and 2.

Criterion 8 Aspects Defined

Environmental Impact - Environmental Resource Areas

In order to assist the JCSGs' and MilDeps' analysis of the environmental impact of scenarios per Criterion 8, the JPAT developed a template (Appendix 1) that arrayed the environment and encroachment data from the first

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Data Call into ten environmental resource areas. The ten environmental resource areas represent the primary

environmental media areas that are regulated under federal environmental law. They also encompass the important aspects of environmental restoration, waste management, and environmental compliance. Based on the opinions of MilDep environmental experts, these ten areas provide BRAC decision makers

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with crucial environmental data needed to consider environmental impact under Criterion 8. These ten resource areas align with the questions in the environment/encroachment portion of the first

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Data Call:

Air Quality (DoD Question #210-225):

The Clean Air Act (CAA) establishes national standards for air quality. A major limiting factor is whether the installation is in an area designated nonattainment or maintenance and is therefore subject to the CAA General Conformity Rule. The criteria pollutants of concern include: CO, O3 (1 hour & 8 Hour), and PM (PM10, and PM2.5). Installations in attainment areas are not restricted, while activities for installations in non-attainment areas may be restricted. Non-attainment areas are classified as to the degree of non-attainment: Marginal, Moderate, Serious, and in the case of O3, Severe and Extreme. State Implementation Program (SIP) Growth Allowances and Emission Reduction Credits are tools that can be used to accommodate future growth in a manner that conforms to a state's SIP.

Cultural/Archeological/Tribal Resources (DoD Question #229-237):

Many installations have historical, archeological, cultural and Tribal sites of interest. These sites and access to them often

must be maintained, or consultation is typically required before changes can be made. The sites and any buffers surrounding them may reduce the quantity or quality of land or airspace available for training and maneuvers or even construction of new facilities. The presence of such sites needs to be recognized, but the fact that restrictions actually occur is the overriding factor the data call is trying to identify. A programmatic agreement with the State Historic Preservation Office facilitates management of these sites.

Dredging (DoD Question # 226-228):
Dredging allows for free navigation of vessels through ports, channels, and rivers. Identification of sites with remaining capacity for the proper disposal of dredge spoil is the primary focus of the profile. However, the presence of unexploded ordnance or any other impediment that restricts the ability to dredge is also a consideration.

Land Use Constraints/Sensitive Resource Areas (DoD Question #198-201, 238, 240-247, 254-256, 273):
Land use can be encroached from both internal and external pressures. This resource area combines several different types of possible constraints. It captures the variety of constraints not otherwise covered by other areas that could restrict operations or development. The areas include electromagnetic radiation or emissions, environmental restoration sites (on and off installation), military munitions response areas, explosive safety quantity distance arcs, treaties, underground storage tanks, sensitive resource areas, as well as policies, rules, regulations, and activities of other federal, state, tribal and local agencies. This area also captures other constraining factors from animals and wildlife that are not endangered but cause operational restrictions. This resource area specifically includes information on known environmental restoration

costs through FY03 and the projected cost-to-complete the restoration.

Marine Mammal/Marine Resources/Marine Sanctuaries (DoD Question #248-250, 252-253):

This area captures the extent of any restrictions on near shore or open water testing, training or operations as a result of laws protecting Marine Mammals, Essential Fish Habitat, and other related marine resources.

Noise (DoD Question # 202-209, 239):

This resource area addresses incompatible land use within various noise contours off the installation. With respect to the noise questions the identification of acres in the higher noise contours were thought to be the most important indicator of capacity. Noise abatement procedures are also a concern.

Threatened and Endangered Species/Critical Habitat (DoD Question #259-264)

The presence of threatened and endangered species (TES) can result in restrictions on training, testing and operations. They serve to reduce buildable acres and maneuver space. The data in this section reflects listed TES as well as candidate species, designated critical habitat as well as proposed habitat, and restrictions from Biological Opinions. The legally binding conditions in Biological Opinions are designed to protect TES, and critical habitat. The data call seeks to identify the presence of the resource, TES, candidate or critical habitat, even if they don't result in restrictions, as well places where restrictions do exist.

Waste Management (DoD Question # 265-272):

This resource area identifies whether the installation has existing waste treatment and/or disposal capabilities, whether there is additional capacity, and in some case whether the waste facility can accept off-site waste. This area includes Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal facilities, solid waste disposal facilities,

RCRA Subpart X (open/burning/open detonation) and operations.

Water Resources (DoD Question # 258, 274-299):

This section asks about the condition of ground and surface water, and the capacity of water resources and water related utilities, including Industrial Wastewater Treatment plants, non-potable water systems, potable water systems, pretreatment units and sanitary sewage treatment capacity.

Wetlands (DoD Question # 251, 257):

The existence of jurisdictional wetlands poses restraints on the use of land for training, testing or operations. In the data call the installations were asked to report the presence of jurisdictional wetlands and compare the percent of restricted acres to the total acres. The presence of jurisdictional wetlands may reduce the ability of an installation to assume new or different missions, even if they do not presently pose restrictions, by limiting the availability of land.

How the Impact of Costs Related to Environmental Restoration

e Considered

The impact of costs related to potential

Overview

Dr. Steven Mittleman, Deputy Chief
Electromagnetics Technology Division
Sensors Directorate
Air Force Research Laboratory
Hanscom AFB, MA

BCN: 11659

Sensors Directorate
Mission and Vision
(from 2004 AFRL Deputies Mtg)

Our Mission

To lead the discovery, development, and integration of affordable sensor and countermeasure technologies for our warfighters.

Our Vision

Sensor and countermeasure technology enabling complete freedom of air and space operations for our warfighters, no sanctuary for our adversaries, and homeland security.

The SNH contribution to the Sensors Directorate is in Discovery and Development.
The WPAFB contribution is primarily in the Development and Integration

Electromagnetics Technology Division

- **Outstanding in-house Science and Technology supporting AF needs:**
  - Product-oriented to support needs in antennas, scattering, optoelectronics and IR Sensors
  - Significant publications, presentations, and patents
  - Technology Transfers/Transitions
    - To warfighter
    - To defense industrial base and COTS
- **AF and DoD Connections:**
  - Contractual programs when funding is available (SBIR, customers)
  - Air Force collaborations with AFSCN, AF/SMC, AFSC
  - AFRL cross-directorate collaborations with MNG, MLP, VSB, VSS
  - Defense Reliance – Chaired E-O, Antenna, Electronic Materials TARA Panels
  - Past participants on NATO and TTCP Panels
  - Close DARPA links in antenna technology, E-O components, IR sensors
- **Connections to the Technical Community:**
  - Close collaborations with local universities, small businesses, and large corporations
  - Professional society fellows and officers
  - Numerous honors and awards, including:
    - National Academy of Engineering
    - IEEE Harry Diamond Awards (Federal Electrical Engineer of the Year)
  - Referees for major journals

Strong Support to AF and Other DOD Users

DCN: 11659

- **AFSCN (Air Force Satellite Control Network) and Space Battle Laboratory**
  - Working jointly to transition SNHA phased array technology concept
- **AF/SMC and ESC/MC**
  - EHF Satcom Antennas for MILSTAR and GBS airborne terminals and supporting FAB-T (Family of Advanced Beyond-Line-of-Sight Terminals)
- **VSSW**
  - Developed new concept for clutter cancellation in multi-satellite radar
  - Provided analysis and computer codes for antenna model incorporated into the "virtual payload simulation validation"
- **AFSC (Air Force Space Command)**
  - Member of working group assessing 2002 PAVE PAWS environmental health hazard
- **BMDO and Army**
  - Guided contractual development of Lightweight X-band surveillance array with MEMS Control

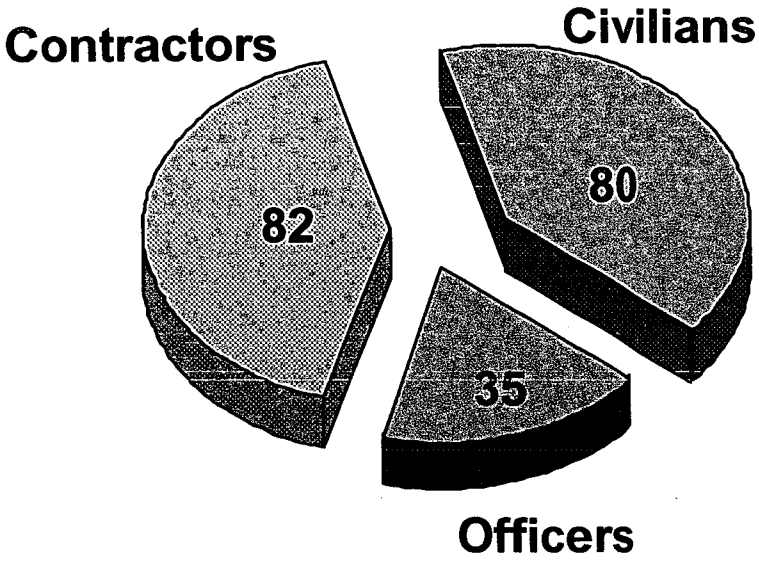
Strong Support to AF and Other DOD Users (continued)

- NRO
  - Member of convened "Red Team" assessing phased array options
  - Director's Innovative Initiative supporting SNHI CTHIS
- DARPA/TTO
  - Planning Multi-Beam Antenna-Receiver for Bistatic UCAV (Unmanned Combat Aircraft Vehicle)
- DARPA/SPO
  - FOPEN experiments & modeling of ground-based targets at VHF/UHF
  - Funding in-house fabrication of model demonstrating AFRL scanning concept
- DARPA/SPO and ATO:
  - Consultants to DARPA, recommending low profile UHF antenna configurations for battlefield and aircraft communications
- DARPA/MTO
  - Consultants, Researchers, & Monitors -- Solar Blind Detector, Semiconductor UV Optical Sources, Antimonide Based Compound Semiconductor, High Power Wide Bandgap Electronics, and other Programs

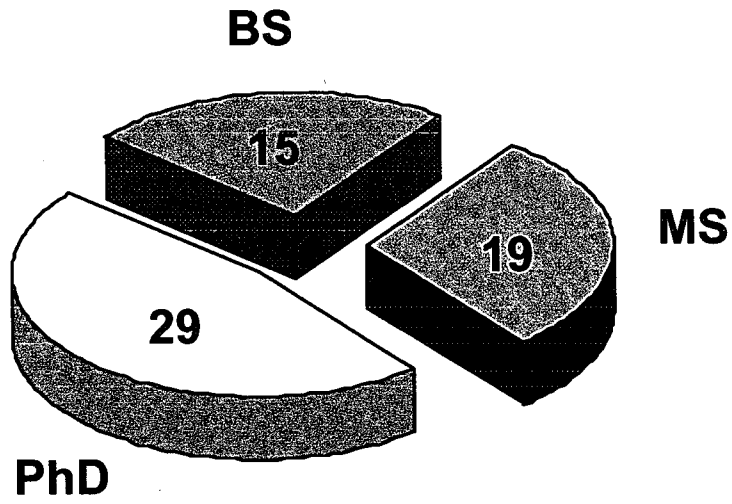
DCN:11659

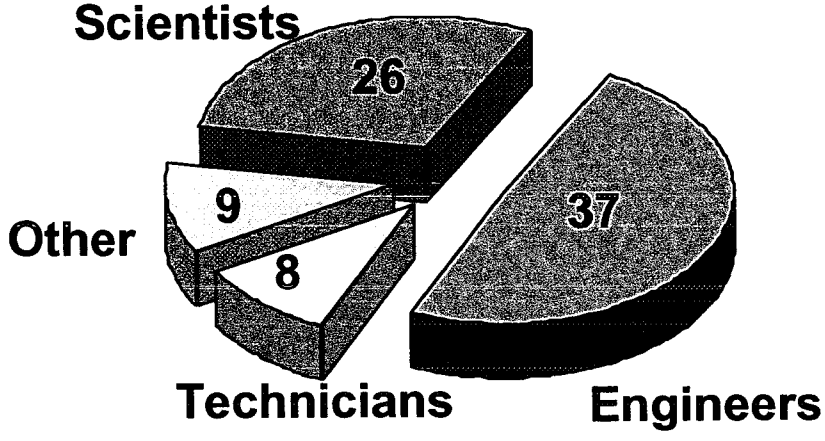
Electromagnetics Technology Division

Demographics



Civilian technical only



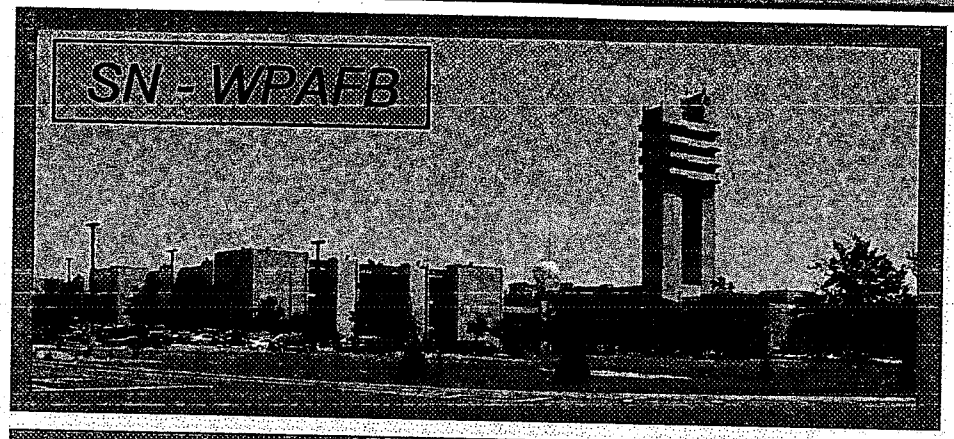


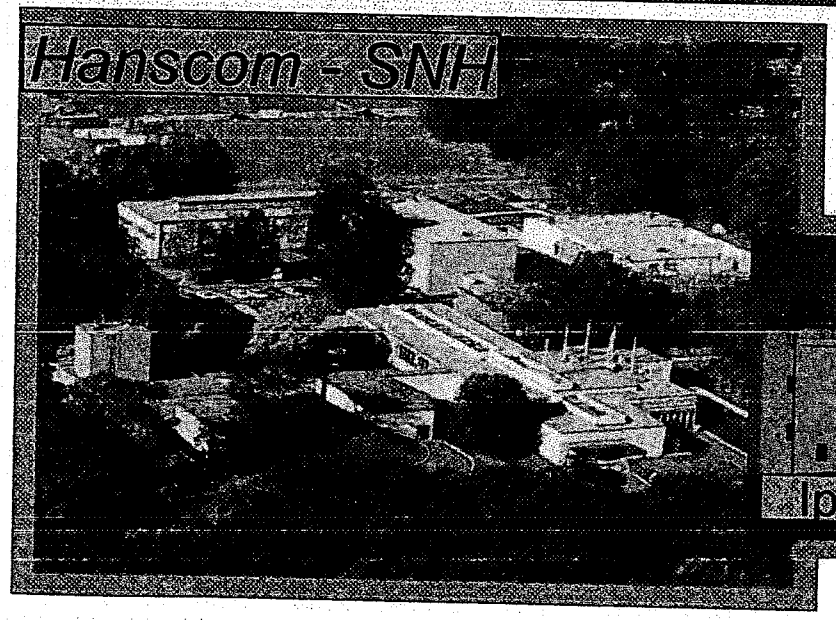
The 80 civilians are all technical except for some admin functions. Site support (network, maintenance, LMCA…) is contracted with VS-Hanscom. We have a high percentage of technical people with advanced degrees

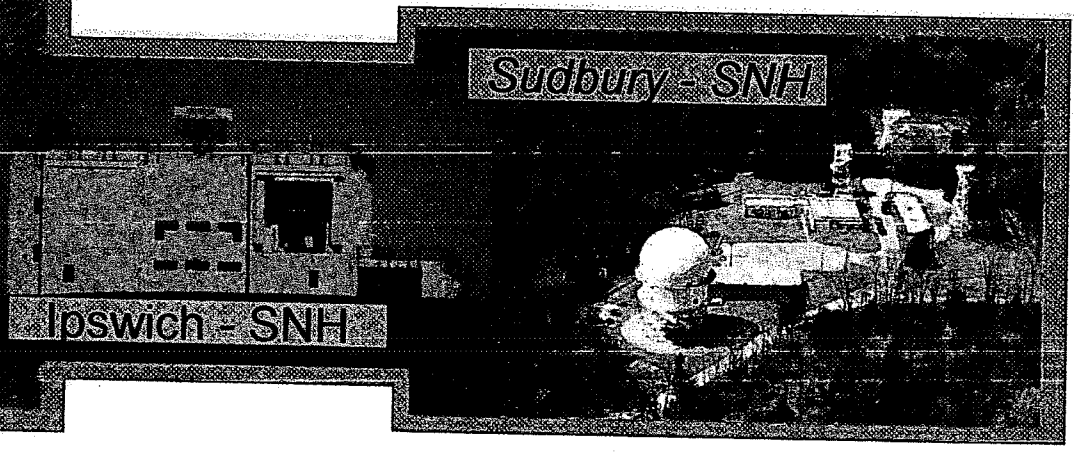
Core Program Thrusts & Facilities

Sensors & CM Research Sites

(from 2004 Deputies Mtg)







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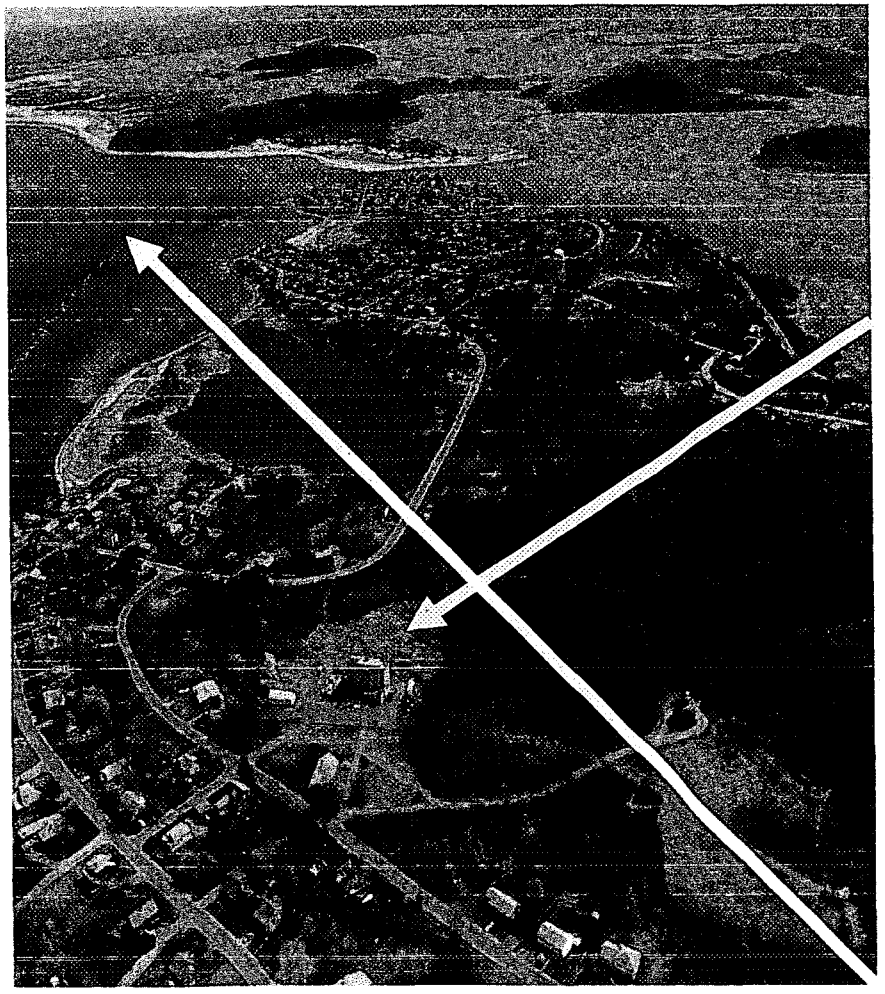
DCN:11659

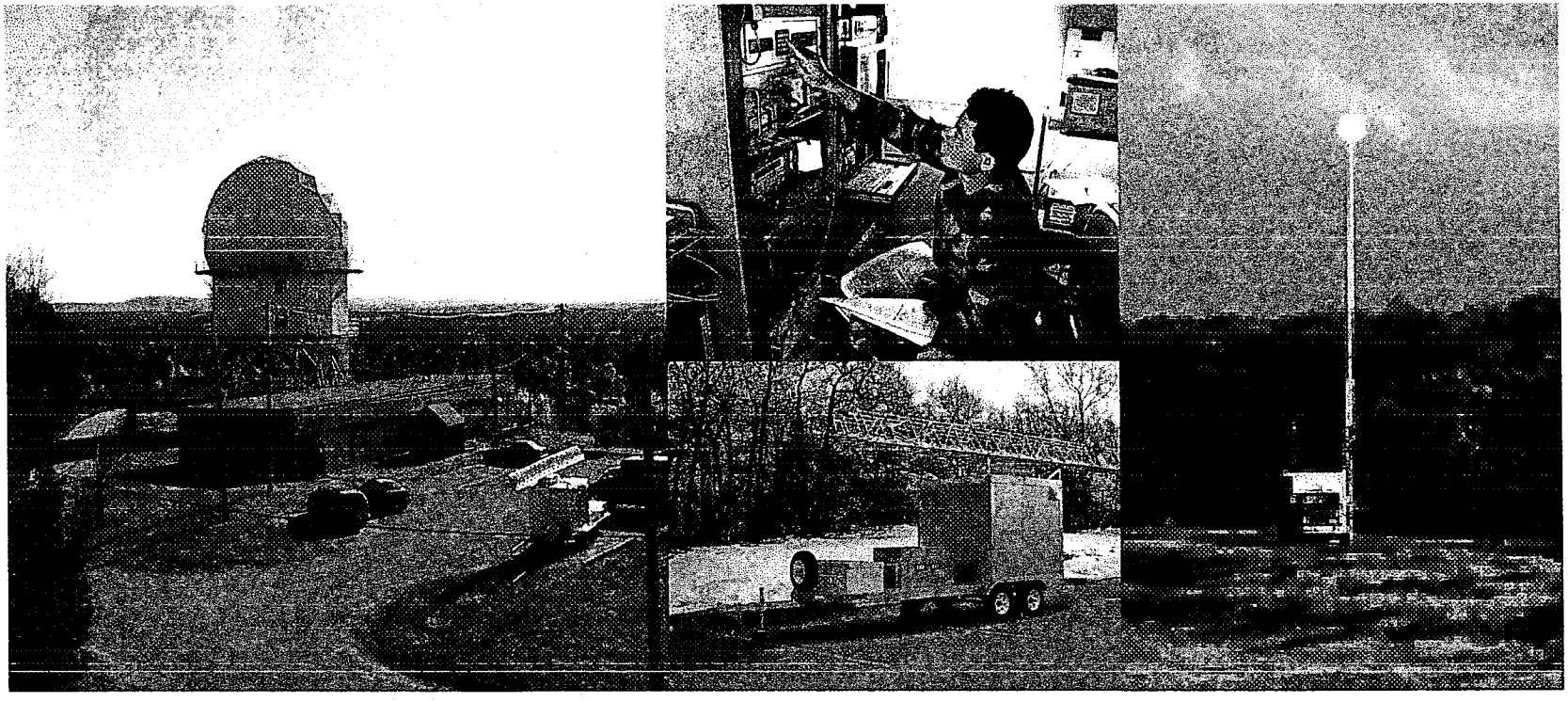
Ipswich Antenna Test Range



- Antenna measurements from 100 MHz to 100 GHz
- 2506' elevated far-field antenna measurement range (overland)
- Radar Cross Section Measurements
- Planar near-field scanners
- 325' UHF/VHF ground reflection range
- Over-water 8.8 Mile Range

Scattering Radar Range
Sudbury, MA

DCN:11659



- Terrain clutter measurements over a variety of grazing angles for both monostatic and bistatic anti-stealth radar geometries
- Measurements can be made from fixed or relocatable transmitting and receiving platforms.

DCN:11659

SNH Total Bldg List

Name	GSF			NSF			People	
SN Occupied, HRS								
1128	18,336			9,569			21	
1123	16,591			11,044			15	
1138	20,886			14,874			36	
1122	5,025			3,813			22	
1124	8,588			6,020			30	
1140	12,287			7,877			22	
1141	11,670			9,280			20	
1142	10,602	103,985		5,251	67,728		10	176
SN Owned, SN Occupied, Ipswich								
2	2,627			2,127				
3	4,970			4,970			5	
5	998			998				
14	1,250			1,250				
15	1,440	11,285		1,440	10,785			5
SN Owned, SN Occupied, Sudbury								
1	5,272			4,472			2	
2	225			225				
4	3,900	9,397	124,667	3,900	8,597	87,110		2

Electromagnetics Technology Division
Major Research Areas

DCN:11659

- **Spectral Temporal Sensing (STS)**
  - Muzzle flash, rocket plume ID
  - Laser threat warning
  - Near real-time Dynamic bomb damage assessment
- **Optoelectronics**
  - Semiconductor detectors and imaging arrays
  - Quasi-phasematched gallium arsenide (freq. agile lasers for IRCM)
  - Wide bandgap semiconductors
- **Scattering Phenomena of Radar Signals**
  - Targets under trees scattering phenomenology
  - Bistatic near-field measurement techniques (anti-stealth)
  - Slow moving target detection in SAR images
- **Antennas Technology (DoD lead lab for antenna research)**
  - Conformal antennas and digital beamforming
  - Small antennas (efficient, small, UAV applicatiions)
  - Front end components (incl metamaterials and MEMS)

Some explanations for the previous chart

DCN:11659

The STS, with its many applications (only three are shown) is an outgrowth of our IR camera and Hyperspectral work. The STS technology captured the attention of DDR&E, resulting in a QRSP (quick response special program) to develop a specific STS implementation to a fielded system

Wide bandgap semiconductor research is aimed at high power radar and UV detection for chem-bio

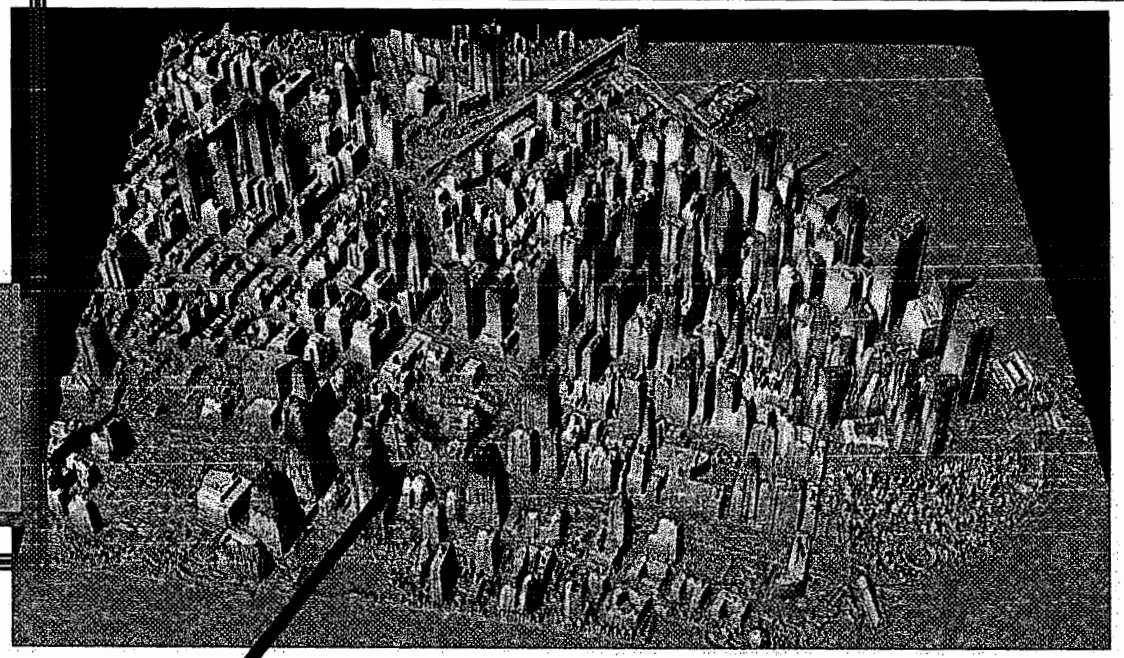
MEMS – greater sensitivity, lower power consumption, lower weight. Applications in homeland security and cruise missile detection

DCN:11659

SN Core Program Thrusts & Facilities

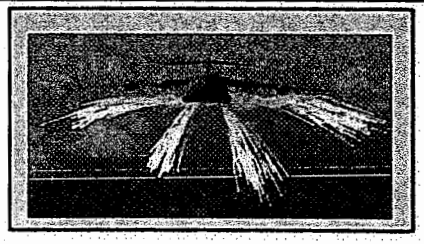
EO Sensors & CM Technology

(from AFRL 2004 Deputies Mtg)

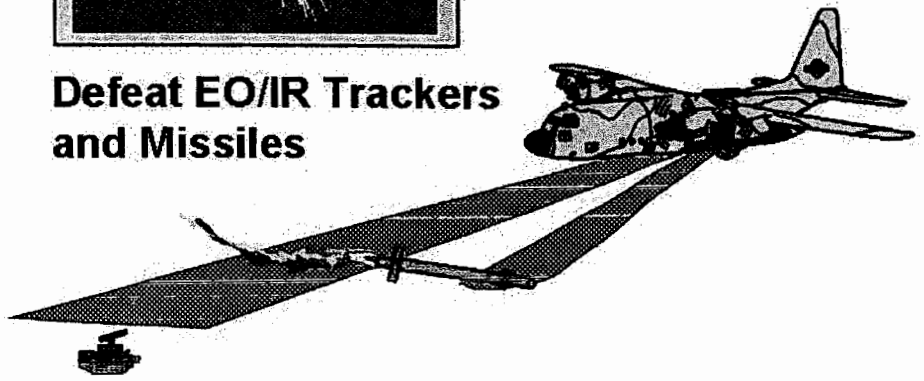


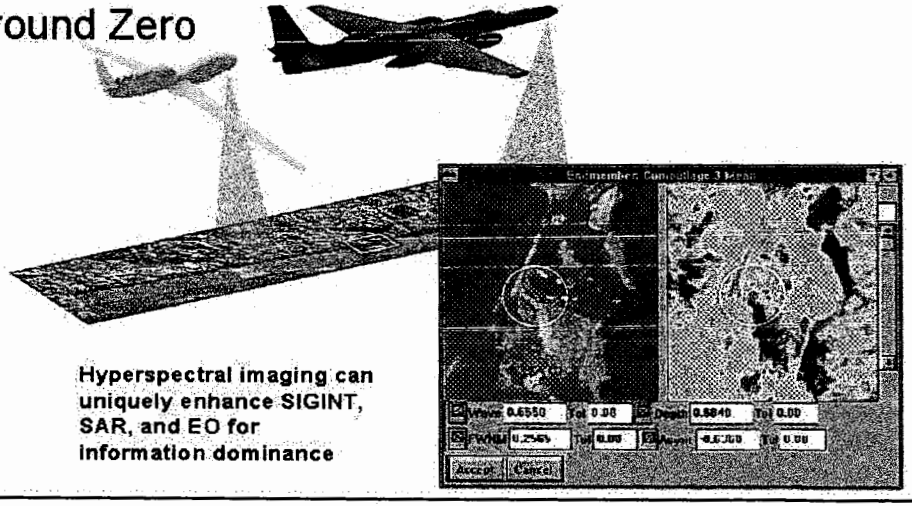
SNH Contribution

Ground Zero



Defeat EO/IR Trackers and Missiles





Hyperspectral imaging can uniquely enhance SIGINT, SAR, and EO for information dominance

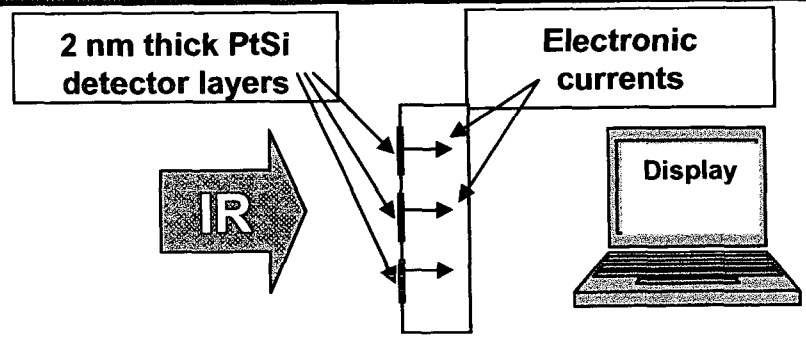
The following two charts are examples of significant research accomplishments conceived and developed in AFRL/SNH (Electromagnetics Technology Division)

DCN:11659

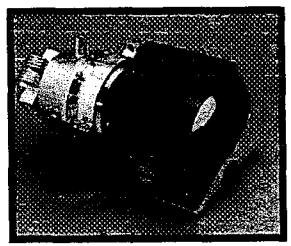
Nanotechnology before the term was invented:

Platinum Silicide NanoLayers Lead to IR Camera

- **Platinum Silicide (PtSi) Infrared Detectors**
  - **Paul Pellegrini, AFRL/SNHI, 781-377-3699, paul.pellegrini@hanscom.af.mil**
- **Accomplishment**
  - **In-house research – Invented new staring infrared imaging technology in silicon, with AFOSR support**
  - **Photo-active layer 2 to 10 nanometers thick, to maximize quantum efficiency**
  - **Invented passivation methods, to achieve needed ultra-clean surfaces**
  - **Ultra-stability: no measurable drift in the sensors**
- **Impact/Application**
  - **Transitioned from elemental detectors to large, staring 2 dimensional arrays. First group to make large staring sensors in the infrared (300,000-cell arrays 5 years ahead of anyone else)**
  - **Transferred nano-fabrication and other manufacturing methods to silicon industry**
  - **Transitioned infrared imaging products to AF inventory, U2 and B-52**
- **Background Information**
  - **Reliability of sensor on B-52 platform improved 50x**
  - **Warning/Detection range increased by 3x**
  - **Maintenance reduced – Saves AF $12M per year**
  - **All 94 platforms in B-52 fleet currently use this sensor**
  - **Basic research was funded and supported by AFOSR**



Science



Technology

(shown above: B-52 prototype camera incorporating PtSi focal plane array)

Transition to Entire B-52 fleet

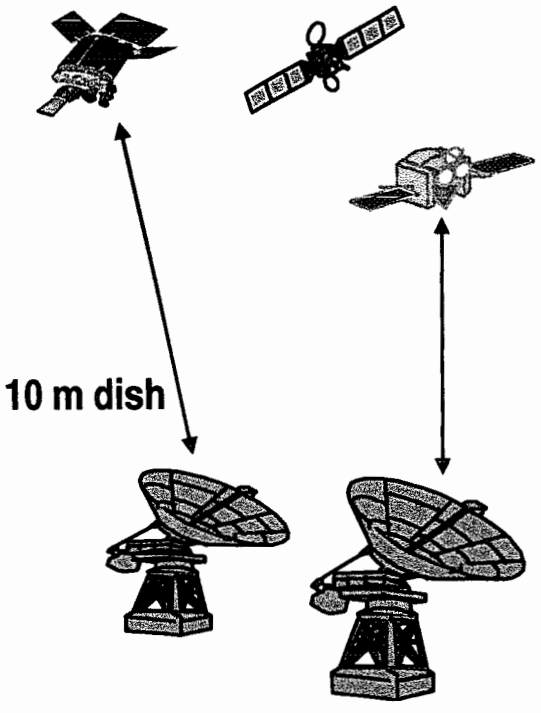
Geodesic Dome Phased Array Antenna
SN Envisioned ATD for Technology Transition

DCN: 11659

Deficiency

Air Force Satellite Control Network -AFSCN

1 Contact per Antenna

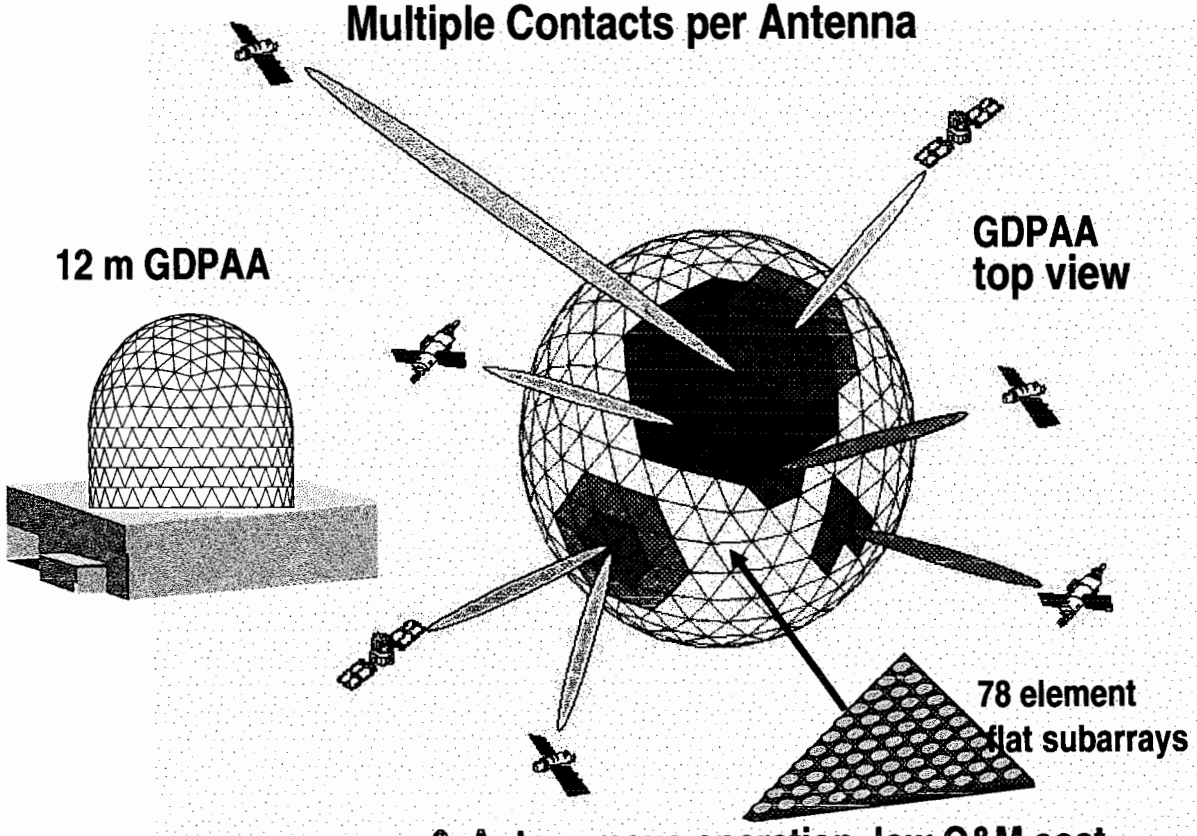


- Operator intensive, high O&M cost
- Slow satellite link switching –key hole & cable wrap
- Unable to support new SATOPS concepts

SNH Solution

Integrated Satellite Control Network ISCN

Multiple Contacts per Antenna



- Autonomous operation, low O&M cost,
- Antenna resource management and scheduling for optimal SATOPS
- Network centric remote operation and control

DCN:11659

Summary

- Primarily 6.1 and 6.2 research in optics and electromagnetics for sensor applications, within the SN technology thrusts
- Strong in-house program
- Contracts to supplement in-house research as budget permits
- Strongly coupled to local industry and universities
- Extensive connections with AF and DOD organizations
- Important technology transfers and transitions

- Alternative 3 – Move the OSSG, but use the onboard or actual workforce located at Maxwell AFB, AL, today. The intent is to see the COBRA Model results of moving the entire OSSG with the correct number of personnel (military, government and contractor)

- Alternative 4 – Use the onboard or actual workforce located at Maxwell AFB, AL, today and move the RDT&E portion of the OSSG (165 personnel) to Hanscom AFB, MA. This excursion was run to meet the intent of the BRAC recommendation to create the C4ISR RDAT&E Center of Excellence with the RDT&E portion of the OSSG

- Alternative 5 – Baseline Case, plus move onboard or actual workforce associated with the RDT&E portion of the OSSG (165 personnel) to Hanscom AFB, MA. This last COBRA Model run takes the COBRA Model data as given and moves the RDT&E portion of the OSSG to create the C4ISR RDAT&E Center of Excellence at Hanscom AFB, MA

The variables across the scenarios include the number of military, government civilians and contractors; and varying the organization move to include the RDT&E portion of the OSSG.

B. Alternative 1 - No Realignment of OSSG

Alternative 1 is a scenario to examine completely taking Maxwell AFB, AL, and the Operations and Sustainment Systems Group out of BRAC COBRA Model calculations. This alternative was examined because the OSSG mission is predominately operations and sustainment, not RDAT&E as presented in the BRAC recommendation to create the C4ISR RDAT&E Center of Excellence

Modification to COBRA Assumptions: Maxwell AFB, AL, is completely removed from the scenario.

Results: Essentially this excursion indicates the concept of the C4ISR RDAT&E Center of Excellence is only feasible from a cost savings perspective if Maxwell AFB, AL, and the OSSG, or some organization of similar size, is included in some form or fashion. In short, using this scenario, the C4ISR Center of Excellence would not be realized. Using this alternative, the COBRA Model calculates the Net Present Value of +$159M (i.e., no savings) and a Payback Period of 51 years. (Alternative 1 COBRA Model Data is in Appendix 2.)

C. Alternative 2 – Include Missing Contractor Data to Baseline Case

This alternative examines a scenario where the COBRA Model uses the Baseline Case with the approximately 940 contractors included in the movement of the OSSG to Hanscom AFB, MA.

Modification to COBRA Assumptions: The contractor costs are included in the COBRA Model calculations. Due to the fact that contractor manning is over half the OSSG workforce, the contractor costs were added to the model as Base Information (Dynamic) to account for these costs. The support is the equivalent of "industrial operations" and was removed from Maxwell AFB, AL, and added to Hanscom AFB, MA. A cost of doing business factor of 30 percent was included for contracting at Hanscom AFB, MA. The data points gathered to

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support the 30 percent figure range from 20 to 40 percent—the average was included. A contractor figure of 864 was input in the model at a man-year contract cost rate of $100K was used for the Montgomery locale.

Results: Importantly, this excursion includes the contractor workforce—the major component of the OSSG. To make the BRAC COBRA Model analysis credible, the entire workforce must be factored in. This realignment action could not be a success with a reasonable portion of the workforce. Using this modified scenario, the COBRA Model calculates the Net Present Value of +$119M (i.e., no savings) and a Payback Period of 51 years. (Alternative 2 COBRA Model Data is in Appendix 2.)

D. Alternative 3 - Move OSSG, but utilize actual onboard military, government civilian and contractors

The Alternative 3 scenario is a slight adjustment to Alternative 2 above. This alternative incorporates the actual or onboard number of military and government civilians at the post-MEO end strength, plus it includes the appropriate contractor data (the 940 personnel).

Modification to COBRA Assumptions: The actual onboard number of personnel vice the authorized end strength personnel numbers were used along with the contractor data (940 contractors) to see if the results were similar to the baseline and Alternative 2 excursions. Onboard personnel numbers are a true reflection of the cost savings available vice using the inflated authorized end strength. Base manpower savings remained the same as in the Baseline Case run. A 10 percent savings of personnel from the OSSG was used from the onboard personnel numbers to account for management overhead savings. This yielded an end strength reduction of 10 officers, 43 enlisted personnel and 48 contractors.

Results: This excursion allows a review of a Working Capital Funded organization vice a mission funded activity. This scenario also takes into account the recently completed MEO. Using this modified scenario, the COBRA Model calculates the Net Present Value of +$413M (i.e., no savings) and the Payback Period is never reached. The impact is a substantial cost, plus probable mission degradation. (Alternative 3 COBRA Model Data is in Appendix 2.)

E. Alternative 4 - Utilize actual onboard military, government civilians and contractors plus move the RDT&E portion of OSSG

Alternative 4 is a slight excursion from Alternative 3. In this alternative the onboard manpower numbers are considered as in the previous alternative, but just the RDT&E portion of the OSSG is realigned to Hanscom AFB, MA.

Modification to COBRA Assumptions: Using the data in Alternative 3, the RDT&E personnel are moved. This includes 5 officers, 10 enlisted personnel, 62 civilians and 89 contractors. As compared to Alternative 3, 17 personnel vice 85 base personnel are eliminated. The remaining personnel are Operations and Sustainment focused with the OSSG.

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Results: This alternative completes the C4ISR Center of Excellence alignment at Hanscom AFB, MA. However, the Payback Period is a substantial amount of time. Using this modified scenario, the COBRA Model calculates the Net Present Value of +$.98M (i.e., no savings) with a Payback Period of 48 years. (Alternative 4 COBRA Model Data is in Appendix 2.)

F. Alternative 5 - Baseline, plus onboard personnel and move the RDT&E portion of the OSSG

Finally, Alternative 5 takes the Baseline Case, plus the onboard personnel of the RDT&E portion of the OSSG and realigns them to Hanscom AFB, MA. It also includes the contractor workforce (approximately 940 personnel).

Modification to COBRA Assumptions: Uses the baseline numbers for manpower and moves the same personnel as Alternative 4.

Results: Using this modified scenario, the COBRA Model calculates the Net Present Value of -$129M and a Payback Period of 10 years. These are "false savings" as the savings come from moving the authorized versus onboard figures. (Alternative 5 COBRA Model Data is in Appendix 2.)

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IX. Conclusion

The Department of Defense uses a methodical approach to determine BRAC realignment and closure recommendations. A thorough review by either the Military Departments or the Joint Cross-Service Groups examines the military value, develops appropriate scenarios and evaluates a set of four additional criteria. Finally COBRA, an economic analysis model, is used to calculate the associated recommendation cost and savings to determine a Net Present Value and Payback Period.

With respect to the proposed recommendation to realign the Operations and Sustainment Systems Group from Maxwell AFB, AL, to Hanscom AFB, MA, to form the C4ISR RDAT&E Center of Excellence, several inconsistencies were found in the COBRA Model data provided by the Montgomery Chamber of Commerce. The major discrepancies included the use of incorrect manpower figures, the omission of the contractor workforce and an overly optimistic MILCON projection to meet the timely realignment of the Operations and Sustainment Systems Group.

WBB captured these oversights and ran several new excursions or alternate scenarios to evaluate these inconsistencies. Two observations became apparent: creating a C4ISR RDAT&E Center of Excellence is not feasible without including the OSSG or some similarly sized organization; after reviewing all alternatives, savings are not achieved when using the correct number of personnel (military, government civilian and contractor) in any combination of realignment alternatives. The results are summarized in the table below.

COBRA Model Excursions – Maxwell AFB, AL						
	Baseline DoD Scenario	**Alternative 1- No Realignment of OSSG**	**Alternative 2– Include Missing Contractor Data to Baseline Case**	**Alternative 3 - Move OSSG using Onboard Personnel and Contractor Personnel**	**Alternative 4 - Onboard Personnel plus RDT&E Portion of OSSG moves**	**Alternative 5 – Baseline, Plus Onboard personnel and RDT&E Portion of OSSG moves**
Net Present Value	- $229M	+ $159M	+$119M	+$413M	+$.98M	- $129M
Payback Period	8 years	100 years	51 years	Never	48 years	10 years
Issues	Authorized versus onboard; No contractors included	Maxwell AFB not included in scenario	Contractors 50% of the workforce	Working capital funding onboard versus authorized with no funds	Long time for payback	Authorized versus onboard
Impact	No real savings	COE efforts not realized	Includes reality of contractors in the analysis	Cost plus mission degradation	Completes C4ISR COE alignment	False savings

A negative Net Present Value is good (-)

COBRA Model Excursions Comparison Table

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As can be readily seen in the table, under no circumstances is a savings achieved involving the realignment of the Operations and Sustainment Systems Group if the correct manpower figures are used.

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DCN:11659

Testimony for Congressman Mike D. Rogers (Alabama)

Base Realignment and Closure Commission – Atlanta, Georgia

June 30, 2005

Thank you, Chairman Principi, and Members of the BRAC Commission. I appreciate the opportunity to be here today with my colleagues from Alabama, and thank you for allowing me to include my remarks before the Commission.

Before I begin, I would like to express my appreciation to each of you for your service on this panel. This process is one of acute importance to our national security. While you will be challenged over the next few months to accept or reject the recommendations made by the Department of Defense, I have complete confidence in your ability to do what is best for our military and best for our national defense.

Alabama's Third Congressional District is home or contiguous to three major military installations of critical importance to our military's readiness: the Anniston Army Depot, Maxwell-Gunter Air Force Base in Montgomery, and Fort Benning in Columbus, Georgia.

I would like to take this opportunity to discuss the Department's recommendations regarding Maxwell-Gunter Air Force Base. On the whole, the recommendation to consolidate the Air and Space C4ISR Research and Development and Acquisition and Test and Evaluation (RDAT&E) is a reasonable proposal. Elimination of duplicative facilities is critical in any organization, and I support the concept of reducing the RDTAT&E technical facilities to increase the program's overall efficiency.

However, I disagree wholeheartedly with the Secretary's recommendation that the Operations and Sustainment Systems Group (OSSG) located at Maxell-Gunter in Montgomery, Alabama, be included in the Secretary's recommendation to consolidate the Air and Space C4ISR RDAT&E.

Simply put, OSSG is not a research and development organization. OSSG integrates, operates and sustains secure combat support information systems and networks for the Air Force and Department of Defense components. The systems that OSSG operates and sustains touch nearly every mission on every Air Force Base worldwide, and provide our warfighters with the right combat support information in the right place and at the right time.

The OSSG provides our Air Forces real-time military value. The day-to-day continuous support and upkeep of its IT systems provides essential operational and combat support for our nation's warfighters.

Mr. Chairman, the primary mission of the OSSG is to provide and support secure combat information systems and networks for the Air Force and Department of Defense components, not RDAT&E. The Standard Systems Group at Maxwell-Gunter does not

belong in the Secretary's recommendation to consolidate Air and Space C4ISR Research, Development and Acquisition, Test and Evaluation.

I respectfully ask you and your colleagues on the Commission reconsider the Department's recommendation to move, and subsequently, combine these critical OSSG missions with the Air Force's research and development functions, and help ensure our men and women in battle continue to benefit from the expertise provided from the highly trained workforce of Maxwell-Gunter's OSSG.

Thank you, Mr. Chairman.

DCN:11659

Data Centers for the Future

Rick Fleming
Center for Computing Services
April 27, 2005

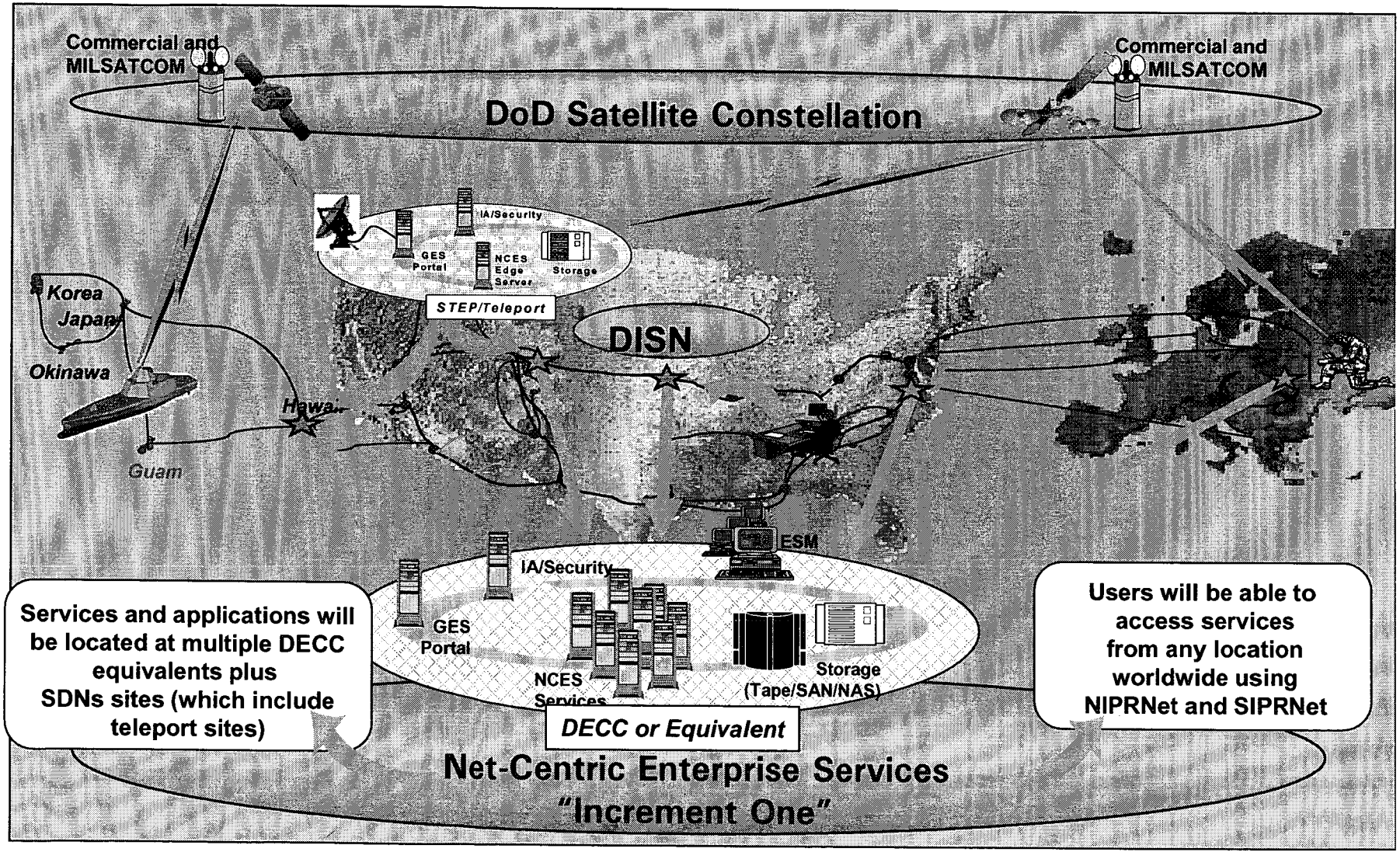
Operational Tenets

- Always On and Always Secure
- Unbounded Capacity
- Emphasis on Quality of Service (QoS)

Apply priority and precedence design and execution at transaction and data object level

DCN:11659

Operationalizing GIG Enterprise Services



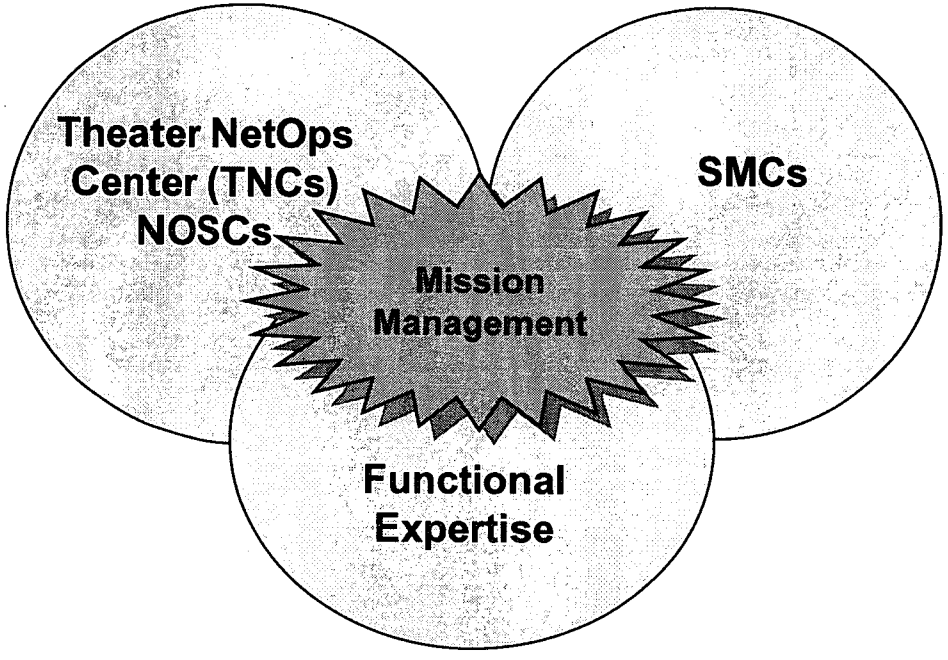
DCN:11659

Virtualization & Convergence

- NETOPS
- Computing
- Networks
- Storage

DCN:11659

Mission Management Centers



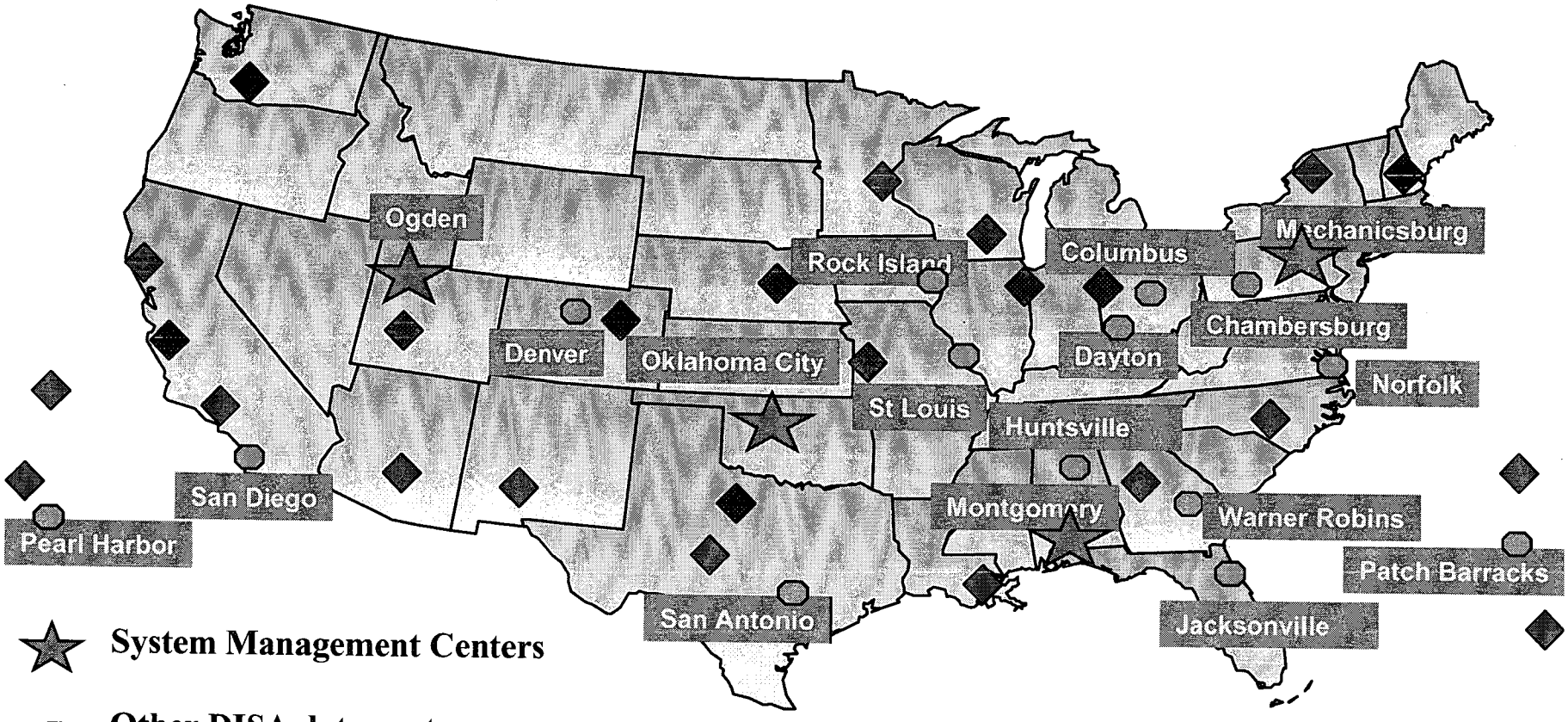
- Joint and Coalition Situational Awareness Monitoring and Reporting
  - Near real time
  - End to End (consumer to producer)
- Single point of entry for each functional area
- "On-star"-like capability

DCN:11659

Virtual Computing

- Virtual Data Centers
  - DECC Equivalency
- Virtual Computing
  - Grid Computing or 'Container' Concept
  - Dynamically Share Resources
  - Autonomic
    - Provisioning
    - Self-Healing
- Application Design and Implementation
  - Services Oriented Architecture
  - Platform and OS Independent
- Enforcement of Standards and Net-centricity
  - Net-centric Checklist

Virtual Data Centers



System Management Centers

Other DISA data centers

Other DoD data centers

Outsourced data centers

- Certification of network worthiness
  - Authenticity
  - Trusted nature
  - Timely
- Single, integrated management structure

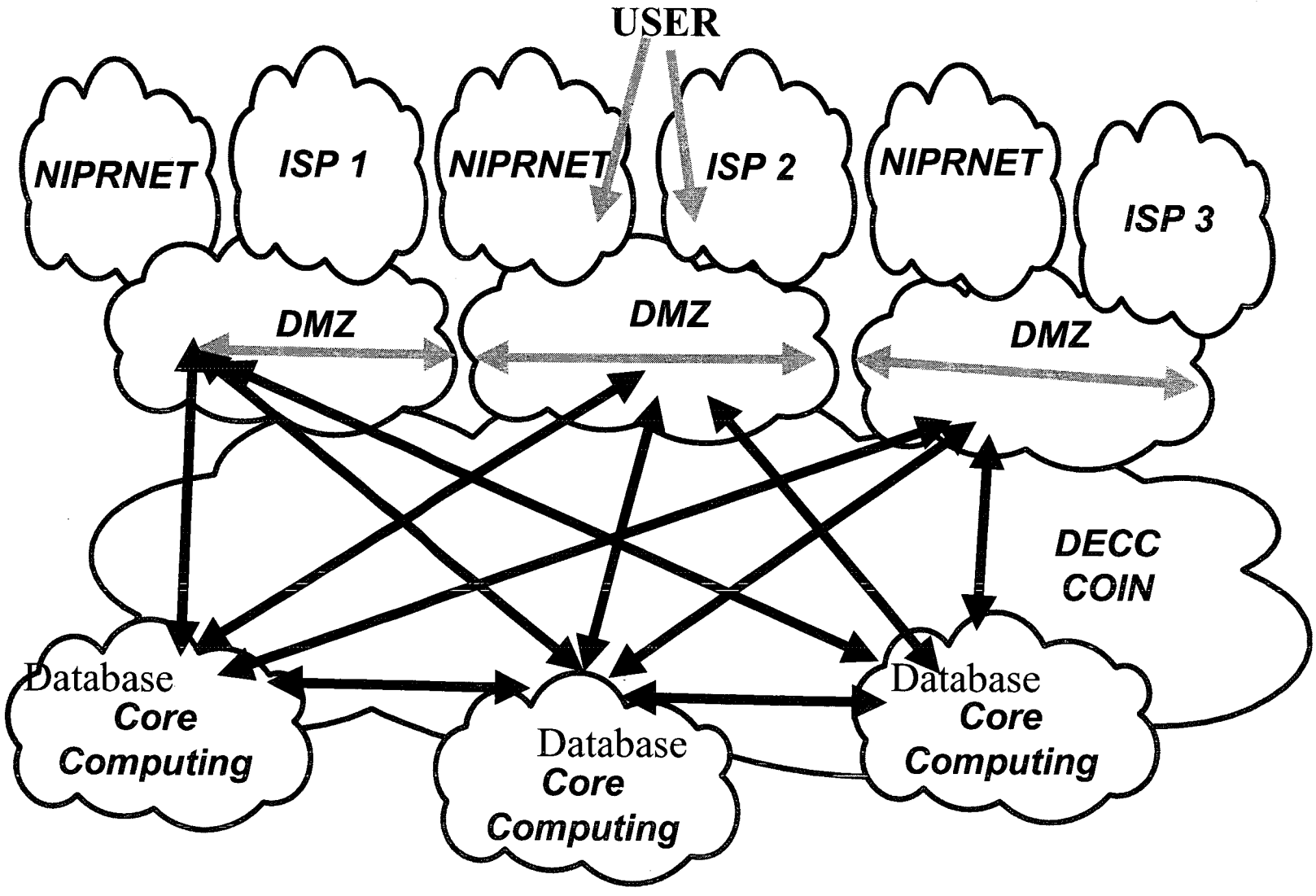
DCN:11659

DCN:11659

Virtual Networks

- Convergence
  - HAIPE
  - VOIP
  - Video Streaming
  - Interactive Video
- CS IA Architecture
- Wireless
- Gateway Services
- Content Delivery Networks
- Metro-Ethernet
- IPv6
- Wide Area File Services

Closed Architecture Model



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Virtual Storage

- No Physical Boundaries
- Storage Area Networks
- Shared Storage
- Content Aware
- Access Aware
- QoS Capable
- Content Delivery Storage/Caching
- Data at Rest Encryption

DCN:11659

TECH-6

Air C4ISR Development and Acquisition and Test and Evaluation
Information Systems Technology D&A

Facility Name	MilVal
Hanscom AFB	**0.4398**
Wright-Patterson AFB	**0.2160**
Tinker AFB	0.1732
BROOKS CITY-BASE	0.1653
Lackland AFB	0.1544
Eglin AFB	0.1302
EDWARDS AFB	**0.1146**
Maxwell AFB	**0.1005**
Peterson AFB	0.0999
Langley AFB	0.0994
Hanscom AFB	0.0920

Facility data for this scenario was limited to Air Force facilities because it was an Air Force only scenario. Hanscom AFB appears twice because the data is based on zip codes and Hanscom AFB reported data for 2 zip codes. 14 locations were exempted from consideration as a consequence of a TJCSG decision not to analyze locations with less than 31 full time equivalent work years in a function. It was the military judgment of the TJCSG that the benefit to be derived from consideration of those facilities was far outweighed by the cost of that analysis.

Air C4ISR Development and Acquisition and Test and Evaluation
Information Systems Technology T&E

Facility Name	MilVal
Eglin AFB	**0.3174**
Arnold AFS	0.196
EDWARDS AFB	**0.1833**
Wright-Patterson AFB	0.0841
Maxwell AFB	0.0813
Hanscom AFB	0.0781
Lackland AFB	0.0765

Facility data for this scenario was limited to Air Force facilities because it was an Air Force only scenario. 9 locations were exempted from consideration as a consequence of a TJCSG decision not to analyze locations with less than 31 full time equivalent work years in a function. It was the military judgment of the TJCSG that the benefit to be derived from consideration of those facilities was far outweighed by the cost of that analysis.

Air C4ISR Development and Acquisition and Test and Evaluation
Sensors, Electronics, and Electronic Warfare T&E

Facility Name	**MilVal**
EDWARDS AFB	**0.5356**
Eglin AFB	**0.4644**
USAF_2_Alamogorgo	0.2865
Kirtland AFB	0.1222
Hanscom AFB	0.0748
Wright-Patterson AFB	0.0732

Facility data for this scenario was limited to Air Force facilities because it was an Air Force only scenario. 13 locations were exempted from consideration as a consequence of a TJCSG decision not to analyze locations with less than 31 full time equivalent work years in a function. It was the military judgment of the TJCSG that the benefit to be derived from consideration of those facilities was far outweighed by the cost of that analysis.

Capacity at Locations with Air C4ISR Development and Acquisition and Test and Evaluation

Facility Name	Current Capacity SqFt	Current Usage SqFt	Max Potential Capacity SqFt	Capacity Available to Surge SqFt	Required to Surge SqFt	Excess Capacity SqFt
Hanscom AFB	**811,468**	**192,285**	**811,468**	**619,184**	**211,513**	**599,955**
Langley AFB	60	7,200	60	(7,140)	7,920	(7,860)
Eglin AFB	**3,012,538**	**969,210**	**3,012,538**	**2,043,328**	**1,066,131**	**1,946,407**
Hanscom AFB Montgomery (Maxwell)	**443,982**	**155,520**	**443,982**	**288,462**	**171,072**	**272,910**
Arnold AFS	1,529,393	300,347	1,529,393	1,229,046	330,381	1,199,012
Wright-Patterson AFB	**2,759,806**	**1,244,605**	**2,759,806**	**1,515,201**	**1,369,065**	**1,390,740**
Tinker AFB	240,944	55,779	240,944	185,165	61,357	179,587
BROOKS CITY-BASE	260,624	126,790	260,624	133,834	139,469	121,155
Lackland AFB	**3,319**	**7,723**	**3,319**	**(4,404)**	**8,495**	**(5,176)**
Hill AFB	784,431	180,174	784,431	604,258	198,191	586,240
Kirtland AFB	449,841	547,628	449,841	(97,787)	602,391	(152,550)
USAF_2_Alamogorgo	811,539	62,896	811,539	748,643	69,186	742,353
EDWARDS AFB	**3,545,150**	**900,260**	**3,545,150**	**2,644,890**	**990,286**	**2,554,864**

Facility data for this scenario was limited to Air Force facilities because it was an Air Force only scenario.

Information Systems Technology D&A

Facility Name	Current Capacity FTE	Current Usage FTE	Max Potential Capacity FTE	Capacity Available to Surge FTE	Required to Surge FTE	Excess Capacity FTE
Hanscom AFB	1,641	1,641	1,698	57	1,805	-107
Wright-Patterson AFB	1,180	1,180	1,357	177	1,298	59
Tinker AFB	33	33	38	5	37	1
BROOKS CITY-BASE	43	43	44	1	47	(3)
Lackland AFB	**72**	**72**	**73**	**0**	**80**	**-7**
Eglin AFB			0	0	0	0
EDWARDS AFB	45	45	50	5	50	0
Hanscom AFB Montgomery			**0**	**0**	**0**	**0**
Peterson AFB	307	307	307	0	338	(31)
Langley AFB	33	33	34	1	36	(2)
Hanscom AFB			0	0	0	0

Facility data for this scenario was limited to Air Force facilities because it was an Air Force only scenario. Hanscom AFB appears twice because the data is based on zip codes and Hanscom AFB reported data for 2 zip codes

Information Systems Technology T&E

Facility Name	Current Capacity FTE	Current Usage FTE	Max Potential Capacity FTE	Capacity Available to Surge FTE	Required to Surge FTE	Excess Capacity FTE
Eglin AFB	66	66	84	18	73	11
Arnold AFS	88	88	118	30	96	22
EDWARDS AFB	552	552	621	69	608	13
Wright-Patterson AFB			0	0	0	0
Hanscom AFB Montgomery			0	0	0	0
Hanscom AFB			0	0	0	0
Lackland AFB			0	0	0	0

Facility data for this scenario was limited to Air Force facilities because it was an Air Force only scenario.

Sensors, Electronics, and Electronic Warfare T&E

Facility Name	Current Capacity FTE	Current Usage FTE	Max Potential Capacity FTE	Capacity Available to Surge FTE	Required to Surge FTE	Excess Capacity FTE
EDWARDS AFB	247	247	274	27	272	2
Eglin AFB	22	22	30	8	24	6
USAF_2_Alamogorgo	132	132	182	50	145	37
Kirtland AFB	174	174	178	4	191	(13)
Hanscom AFB			0	0	0	0
Wright-Patterson AFB			0	0	0	0
Kirtland AFB			0	0	0	0

Facility data for this scenario was limited to Air Force facilities because it was an Air Force only scenario.

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CommunityCOBRA

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 1/2
Data As Of 7/19/2005 9:53:32 AM, Report Created 7/19/2005 12:25:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\Alt 6 - MEO adj & Contractor and
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\BRAC2005.SFF

Starting Year : 2006
Final Year : 2008
Payback Year : Never

NPV in 2025($K): 470,747
1-Time Cost($K): 250,928

Net Costs in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	19,272	112,053	0	0	0	0	131,325	0
Person	1,603	-7,546	-3,923	-16,174	-16,174	-16,174	-58,389	-16,174
Overhd	1,354	3,338	2,209	893	893	893	9,581	893
Moving	26,742	0	34,913	0	0	0	61,655	0
Missio	0	0	30,046	30,046	30,046	30,046	120,184	30,046
Other	944	0	28,349	2,764	18,236	2,764	53,057	2,764
TOTAL	49,915	107,845	91,594	17,529	33,001	17,529	317,412	17,529

	2006	2007	2008	2009	2010	2011	Total
POSITIONS ELIMINATED							
Off	22	0	20	0	0	0	42
Enl	3	0	81	0	0	0	84
Civ	191	0	85	0	0	0	276
TOT	216	0	186	0	0	0	402
POSITIONS REALIGNED							
Off	0	0	133	0	0	0	133
Enl	0	0	395	0	0	0	395
Stu	0	0	0	0	0	0	0
Civ	0	0	828	0	0	0	828
TOT	0	0	1,356	0	0	0	1,356

Summary:

Realign Wright-Patterson Air Force Base, OH, Maxwell Air Force Base, AL, and Lackland Air Force Base, TX, by relocating Air & Space Information Systems Research and Development & Acquisition to Hanscom Air Force Base, MA. Realign Eglin Air Force Base, FL, by relocating Air & Space Sensors, Electronic Warfare & Electronics and Information Systems Test & Evaluation to Edwards Air Force Base, CA.

Source Files:
1. TECH 0042 p7 USAF Complete 4 Jan 2005
2. Assumptions 5 Jan 2005 Approved TJCSG Telecon
3. Assumptions 10 Jan 2005 Approved TJCSG Telecon
4. Reduction Distribution (Dtd 31 Mar 05)
5. (Lackland tonnage file) SDD from USAF
6. TJCSG Telecon Minutes dtd 30Mar2005
7. TECH-0042p7with Hanscom CE(1).xls
8. OSD Database Question 3013
9. USAF document JS-609

Source file 2 eliminated Rome Laboratory from scenario subsequent to the receipt of source file 1.
Source file 2 eliminated Brooks City-Base from scenario subsequent to the receipt of source file 1.
Source file 3 eliminated NAS PATUXENT River from scenario.

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COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 2/2
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\Alt 6 - MEO adj & Contractor and
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\BRAC2005.SFF

Costs in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	19,272	112,053	0	0	0	0	131,325	0
Person	9,724	8,484	23,443	18,605	18,605	18,605	97,467	18,605
Overhd	2,843	4,828	14,793	13,476	13,476	13,476	62,894	13,476
Moving	26,742	0	36,101	0	0	0	62,843	0
Missio	0	0	155,746	155,746	155,746	155,746	622,984	155,746
Other	944	0	28,349	2,764	18,236	2,764	53,057	2,764
TOTAL	59,526	125,364	258,433	190,592	206,064	190,592	1,030,570	190,592

Savings in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	8,121	16,030	27,366	34,779	34,779	34,779	155,856	34,779
Overhd	1,490	1,490	12,584	12,584	12,584	12,584	53,314	12,584
Moving	0	0	1,188	0	0	0	1,188	0
Missio	0	0	125,700	125,700	125,700	125,700	502,800	125,700
Other	0	0	0	0	0	0	0	0
TOTAL	9,611	17,519	166,838	173,063	173,063	173,063	713,158	173,063

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TOTAL COBRA ONE-TIME COST REPORT (COBRA v6.10) - Page 1/5
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\Alt 6 - MEO adj & Contractor and
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(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	131,325,000	
Total - Construction		131,325,000
Personnel		
Civilian RIF	7,689,192	
Civilian Early Retirement	1,084,242	
Eliminated Military PCS	775,934	
Unemployment	591,983	
Total - Personnel		10,141,351
Overhead		
Program Management Cost	4,314,881	
Support Contract Termination	0	
Mothball / Shutdown	301,922	
Total - Overhead		4,616,803
Moving		
Civilian Moving	31,840,051	
Civilian PPP	1,987,776	
Military Moving	2,730,082	
Freight	771,888	
Information Technologies	9,204,800	
One-Time Moving Costs	16,309,000	
Total - Moving		62,843,597
Other		
HAP / RSE	3,233,338	
Environmental Mitigation Costs	486,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	38,282,000	
Total - Other		42,001,338
Total One-Time Costs		250,928,089
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	1,188,381	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		1,188,381
Total Net One-Time Costs		249,739,707

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COBRA ONE-TIME COST REPORT (COBRA v6.10) - Page 2/5
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Base: Wright-Patterson AFB, OH (ZHTV)
(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	5,622,855	
Civilian Early Retirement	532,748	
Eliminated Military PCS	221,547	
Unemployment	431,747	
Total - Personnel		6,808,897
Overhead		
Program Management Cost	1,667,193	
Support Contract Termination	0	
Mothball / Shutdown	102,130	
Total - Overhead		1,769,323
Moving		
Civilian Moving	12,615,437	
Civilian PPP	1,313,352	
Military Moving	196,676	
Freight	182,349	
Information Technologies	61,600	
One-Time Moving Costs	0	
Total - Moving		14,369,415
Other		
HAP / RSE	1,282,894	
Environmental Mitigation Costs	0	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		1,282,894
Total One-Time Costs		24,230,531
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	150,392	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		150,392
Total Net One-Time Costs		24,080,139

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COBRA ONE-TIME COST REPORT (COBRA v6.10) - Page 3/5
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Base: Lackland AFB, TX (MPLS)
(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	286,991	
Civilian Early Retirement	47,956	
Eliminated Military PCS	20,955	
Unemployment	22,255	
Total - Personnel		378,157
Overhead		
Program Management Cost	86,729	
Support Contract Termination	0	
Mothball / Shutdown	0	
Total - Overhead		86,729
Moving		
Civilian Moving	1,357,196	
Civilian PPP	70,992	
Military Moving	89,950	
Freight	70,615	
Information Technologies	7,000	
One-Time Moving Costs	0	
Total - Moving		1,595,753
Other		
HAP / RSE	118,647	
Environmental Mitigation Costs	0	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		118,647
Total One-Time Costs		2,179,286
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	36,703	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		36,703
Total Net One-Time Costs		2,142,584

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COBRA ONE-TIME COST REPORT (COBRA v6.10) - Page 4/5
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Base: Maxwell AFB, AL (PNQS)
(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	1,779,346	
Civilian Early Retirement	503,538	
Eliminated Military PCS	533,432	
Unemployment	137,981	
Total - Personnel		2,954,296
Overhead		
Program Management Cost	2,560,959	
Support Contract Termination	0	
Mothball / Shutdown	199,792	
Total - Overhead		2,760,750
Moving		
Civilian Moving	17,867,417	
Civilian PPP	603,432	
Military Moving	2,443,455	
Freight	518,924	
Information Technologies	167,200	
One-Time Moving Costs	0	
Total - Moving		21,600,428
Other		
HAP / RSE	1,831,796	
Environmental Mitigation Costs	0	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		1,831,796
Total One-Time Costs		29,147,272
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	1,001,287	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		1,001,287
Total Net One-Time Costs		28,145,985

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COBRA ONE-TIME COST REPORT (COBRA v6.10) - Page 5/5
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Base: Hanscom AFB, MA (MXRD)
(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	131,325,000	
Total - Construction		131,325,000
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Management Cost	0	
Support Contract Termination	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPP	0	
Military Moving	0	
Freight	0	
Information Technologies	8,969,000	
One-Time Moving Costs	16,309,000	
Total - Moving		25,278,000
Other		
HAP / RSE	0	
Environmental Mitigation Costs	486,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	38,282,000	
Total - Other		38,768,000
Total One-Time Costs		195,371,000
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		195,371,000

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TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 1/15
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ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	19,272	112,053	0	0	0	0	131,325
O&M							
CIV SALARY							
Civ RIF	4,520	0	3,169	0	0	0	7,689
Civ Retire	194	0	891	0	0	0	1,084
CIV MOVING							
Per Diem	0	0	5,238	0	0	0	5,238
POV Miles	0	0	142	0	0	0	142
Home Purch	0	0	12,860	0	0	0	12,860
HHG	0	0	3,390	0	0	0	3,390
Misc	0	0	651	0	0	0	651
House Hunt	0	0	3,336	0	0	0	3,336
PPP	1,384	0	603	0	0	0	1,988
RITA	0	0	6,223	0	0	0	6,223
FREIGHT							
Packing	0	0	73	0	0	0	73
Freight	80	0	618	0	0	0	698
Vehicles	0	0	0	0	0	0	0
Unemployment	347	0	245	0	0	0	592
OTHER							
Info Tech	8,969	0	236	0	0	0	9,205
Prog Manage	1,866	1,399	1,049	0	0	0	4,315
Supt Contrac	0	0	0	0	0	0	0
Mothball	35	0	267	0	0	0	302
1-Time Move	16,309	0	0	0	0	0	16,309
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	447	0	0	0	447
POV Miles	0	0	129	0	0	0	129
HHG	0	0	1,626	0	0	0	1,626
Misc	0	0	528	0	0	0	528
OTHER							
Elim PCS	242	0	533	0	0	0	776
OTHER							
HAP / RSE	458	0	2,775	0	0	0	3,233
Environmental	486	0	0	0	0	0	486
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	22,810	0	15,472	0	38,282
TOTAL ONE-TIME	54,162	113,452	67,841	0	15,472	0	250,928

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TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 2/15
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RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	111	1,587	1,587	1,587	1,587	1,587	8,048	1,587
Recap	76	1,085	1,085	1,085	1,085	1,085	5,502	1,085
BOS	756	756	10,804	10,804	10,804	10,804	44,727	10,804
Civ Salary	2,140	4,279	7,071	7,071	7,071	7,071	34,703	7,071
TRICARE	0	0	2,764	2,764	2,764	2,764	11,055	2,764
MIL PERSONNEL								
Off Salary	687	1,375	1,375	1,375	1,375	1,375	7,561	1,375
Enl Salary	1,236	2,472	2,472	2,472	2,472	2,472	13,596	2,472
House Allow	358	358	7,688	7,688	7,688	7,688	31,466	7,688
OTHER								
Mission Activ	0	0	155,746	155,746	155,746	155,746	622,984	155,746
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	5,363	11,912	190,592	190,592	190,592	190,592	779,642	190,592
TOTAL COST	59,526	125,364	258,433	190,592	206,064	190,592	1,030,570	190,592

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	1,188	0	0	0	1,188
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	1,188	0	0	0	1,188

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	171	171	2,603	2,603	2,603	2,603	10,754	2,603
Recap	193	193	1,623	1,623	1,623	1,623	6,881	1,623
BOS	1,125	1,125	8,357	8,357	8,357	8,357	35,679	8,357
Civ Salary	6,410	12,821	15,647	18,473	18,473	18,473	90,299	18,473
MIL PERSONNEL								
Off Salary	1,375	2,749	3,999	5,249	5,249	5,249	23,870	5,249
Enl Salary	123	247	3,584	6,921	6,921	6,921	24,720	6,921
House Allow	212	212	4,136	4,136	4,136	4,136	16,967	4,136
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	125,700	125,700	125,700	125,700	502,800	125,700
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	9,611	17,519	165,650	173,063	173,063	173,063	711,969	173,063
TOTAL SAVINGS	9,611	17,519	166,838	173,063	173,063	173,063	713,158	173,063

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TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 3/15
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ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	19,272	112,053	0	0	0	0	131,325
O&M							
Civ Retir/RIF	4,713	0	4,060	0	0	0	8,773
Civ Moving	1,464	0	33,135	0	0	0	34,600
Info Tech	8,969	0	236	0	0	0	9,205
Other	18,557	1,399	1,561	0	0	0	21,518
MIL PERSONNEL							
Mil Moving	242	0	2,075	0	0	0	2,318
OTHER							
HAP / RSE	458	0	2,775	0	0	0	3,233
Environmental	486	0	0	0	0	0	486
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	22,810	0	15,472	0	38,282
TOTAL ONE-TIME	54,162	113,452	66,653	0	15,472	0	249,254

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	-60	1,416	-1,015	-1,015	-1,015	-1,015	-2,706	-1,015
Recap	-118	892	-538	-538	-538	-538	-1,378	-538
BOS	-369	-369	2,446	2,446	2,446	2,446	9,048	2,446
Civ Salary	-4,271	-8,542	-8,576	-11,402	-11,402	-11,402	-55,596	-11,402
TRICARE	0	0	2,764	2,764	2,764	2,764	11,055	2,764
MIL PERSONNEL								
Mil Salary	425	850	-3,737	-8,324	-8,324	-8,324	-27,433	-8,324
House Allow	145	145	3,552	3,552	3,552	3,552	14,498	3,552
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	30,046	30,046	30,046	30,046	120,184	30,046
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	-4,247	-5,607	24,941	17,529	17,529	17,529	67,673	17,529
TOTAL NET COST	49,915	107,845	91,594	17,529	33,001	17,529	317,412	17,529

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Base: Wright-Patterson AFB, OH (ZHTV)

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	4,347	0	1,275	0	0	0	5,623
Civ Retire	182	0	351	0	0	0	533
CIV MOVING							
Per Diem	0	0	2,112	0	0	0	2,112
POV Miles	0	0	43	0	0	0	43
Home Purch	0	0	5,216	0	0	0	5,216
HHG	0	0	1,149	0	0	0	1,149
Misc	0	0	269	0	0	0	269
House Hunt	0	0	1,318	0	0	0	1,318
PPP	1,313	0	0	0	0	0	1,313
RITA	0	0	2,508	0	0	0	2,508
FREIGHT							
Packing	0	0	19	0	0	0	19
Freight	15	0	148	0	0	0	163
Vehicles	0	0	0	0	0	0	0
Unemployment	334	0	98	0	0	0	432
OTHER							
Info Tech	0	0	62	0	0	0	62
Prog Manage	721	541	405	0	0	0	1,667
Supt Contrac	0	0	0	0	0	0	0
Mothball	35	0	67	0	0	0	102
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	22	0	0	0	22
POV Miles	0	0	6	0	0	0	6
HHG	0	0	129	0	0	0	129
Misc	0	0	39	0	0	0	39
OTHER							
Elim PCS	221	0	0	0	0	0	221
OTHER							
HAP / RSE	436	0	847	0	0	0	1,283
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	7,605	541	16,085	0	0	0	24,230

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Base: Wright-Patterson AFB, OH (ZHTV)

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	7,605	541	16,085	0	0	0	24,230	0

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	150	0	0	0	150
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	150	0	0	0	150

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	171	171	503	503	503	503	2,353	503
Recap	193	193	567	567	567	567	2,657	567
BOS	1,094	1,094	3,208	3,208	3,208	3,208	15,020	3,208
Civ Salary	6,145	12,289	12,289	12,289	12,289	12,289	67,591	12,289
MIL PERSONNEL								
Off Salary	1,250	2,499	2,499	2,499	2,499	2,499	13,747	2,499
Enl Salary	123	247	247	247	247	247	1,359	247
House Allow	198	198	535	535	535	535	2,538	535
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	9,175	16,693	19,849	19,849	19,849	19,849	105,265	19,849
TOTAL SAVINGS	9,175	16,693	19,999	19,849	19,849	19,849	105,416	19,849

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COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 6/15
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\Alt 6 - MEO adj & Contractor and
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\BRAC2005.SFF

Base: Wright-Patterson AFB, OH (ZHTV)

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	4,529	0	1,626	0	0	0	6,156
Civ Moving	1,329	0	12,782	0	0	0	14,111
Info Tech	0	0	62	0	0	0	62
Other	1,090	541	571	0	0	0	2,201
MIL PERSONNEL							
Mil Moving	221	0	46	0	0	0	268
OTHER							
HAP / RSE	436	0	847	0	0	0	1,283
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	7,605	541	15,934	0	0	0	24,080

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	-171	-171	-503	-503	-503	-503	-2,353	-503
Recap	-193	-193	-567	-567	-567	-567	-2,657	-567
BOS	-1,094	-1,094	-3,208	-3,208	-3,208	-3,208	-15,020	-3,208
Civ Salary	-6,145	-12,289	-12,289	-12,289	-12,289	-12,289	-67,591	-12,289
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	-1,373	-2,747	-2,747	-2,747	-2,747	-2,747	-15,106	-2,747
House Allow	-198	-198	-535	-535	-535	-535	-2,538	-535
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	-9,175	-16,693	-19,849	-19,849	-19,849	-19,849	-105,265	-19,849
TOTAL NET COST	-1,570	-16,153	-3,915	-19,849	-19,849	-19,849	-81,185	-19,849

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COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 7/15
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\Alt 6 - MEO adj & Contractor and
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\BRAC2005.SFF

Base: Lackland AFB, TX (MPLS)

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	172	0	115	0	0	0	287
Civ Retire	12	0	36	0	0	0	48
CIV MOVING							
Per Diem	0	0	217	0	0	0	217
POV Miles	0	0	10	0	0	0	10
Home Purch	0	0	500	0	0	0	500
HHG	0	0	206	0	0	0	206
Misc	0	0	25	0	0	0	25
House Hunt	0	0	146	0	0	0	146
PPP	71	0	0	0	0	0	71
RITA	0	0	252	0	0	0	252
FREIGHT							
Packing	0	0	2	0	0	0	2
Freight	46	0	22	0	0	0	68
Vehicles	0	0	0	0	0	0	0
Unemployment	13	0	9	0	0	0	22
OTHER							
Info Tech	0	0	7	0	0	0	7
Prog Manage	37	28	21	0	0	0	87
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	14	0	0	0	14
POV Miles	0	0	4	0	0	0	4
HHG	0	0	62	0	0	0	62
Misc	0	0	10	0	0	0	10
OTHER							
Elim PCS	21	0	0	0	0	0	21
OTHER							
HAP / RSE	22	0	96	0	0	0	119
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	395	28	1,756	0	0	0	2,179

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COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 8/15
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\Alt 6 - MEO adj & Contractor and
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\BRAC2005.SFF

Base: Lackland AFB, TX (MPLS)

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	395	28	1,756	0	0	0	2,179	0

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	37	0	0	0	37
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	37	0	0	0	37

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	30	30	165	165	165	165	721	165
Civ Salary	266	532	532	532	532	532	2,926	532
MIL PERSONNEL								
Off Salary	125	250	250	250	250	250	1,375	250
Enl Salary	0	0	0	0	0	0	0	0
House Allow	14	14	107	107	107	107	454	107
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	435	826	1,054	1,054	1,054	1,054	5,476	1,054
TOTAL SAVINGS	435	826	1,090	1,054	1,054	1,054	5,512	1,054

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COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 9/15
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\Alt 6 - MEO adj & Contractor and
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\BRAC2005.SFF

Base: Lackland AFB, TX (MPLS)

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	184	0	151	0	0	0	335
Civ Moving	117	0	1,382	0	0	0	1,499
Info Tech	0	0	7	0	0	0	7
Other	51	28	30	0	0	0	109
MIL PERSONNEL							
Mil Moving	21	0	53	0	0	0	74
OTHER							
HAP / RSE	22	0	96	0	0	0	119
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	395	28	1,719	0	0	0	2,142

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	-30	-30	-165	-165	-165	-165	-721	-165
Civ Salary	-266	-532	-532	-532	-532	-532	-2,926	-532
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	-125	-250	-250	-250	-250	-250	-1,375	-250
House Allow	-14	-14	-107	-107	-107	-107	-454	-107
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	-435	-826	-1,054	-1,054	-1,054	-1,054	-5,476	-1,054
TOTAL NET COST	-40	-798	665	-1,054	-1,054	-1,054	-3,333	-1,054

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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\Alt 6 - MEO adj & Contractor and
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\BRAC2005.SFF

Base: Maxwell AFB, AL (PNQS)

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	1,779	0	0	0	1,779
Civ Retire	0	0	503	0	0	0	503
CIV MOVING							
Per Diem	0	0	2,909	0	0	0	2,909
POV Miles	0	0	88	0	0	0	88
Home Purch	0	0	7,143	0	0	0	7,143
HHG	0	0	2,035	0	0	0	2,035
Misc	0	0	357	0	0	0	357
House Hunt	0	0	1,871	0	0	0	1,871
PPP	0	0	603	0	0	0	603
RITA	0	0	3,463	0	0	0	3,463
FREIGHT							
Packing	0	0	52	0	0	0	52
Freight	18	0	448	0	0	0	467
Vehicles	0	0	0	0	0	0	0
Unemployment	0	0	138	0	0	0	138
OTHER							
Info Tech	0	0	167	0	0	0	167
Prog Manage	1,107	830	623	0	0	0	2,561
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	200	0	0	0	200
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	411	0	0	0	411
POV Miles	0	0	118	0	0	0	118
HHG	0	0	1,434	0	0	0	1,434
Misc	0	0	479	0	0	0	479
OTHER							
Elim PCS	0	0	533	0	0	0	533
OTHER							
HAP / RSE	0	0	1,832	0	0	0	1,832
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	1,126	830	27,191	0	0	0	29,147

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COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 11/15
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\Alt 6 - MEO adj & Contractor and
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\BRAC2005.SFF

Base: Maxwell AFB, AL (PNQS)

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	1,126	830	27,191	0	0	0	29,147	0

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	1,001	0	0	0	1,001
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	1,001	0	0	0	1,001

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	2,100	2,100	2,100	2,100	8,401	2,100
Recap	0	0	1,056	1,056	1,056	1,056	4,224	1,056
BOS	0	0	4,984	4,984	4,984	4,984	19,937	4,984
Civ Salary	0	0	2,826	5,652	5,652	5,652	19,782	5,652
MIL PERSONNEL								
Off Salary	0	0	1,250	2,499	2,499	2,499	8,748	2,499
Enl Salary	0	0	3,337	6,674	6,674	6,674	23,360	6,674
House Allow	0	0	3,494	3,494	3,494	3,494	13,976	3,494
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	125,700	125,700	125,700	125,700	502,800	125,700
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	144,747	152,160	152,160	152,160	601,228	152,160
TOTAL SAVINGS	0	0	145,749	152,160	152,160	152,160	602,230	152,160

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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\Alt 6 - MEO adj & Contractor and
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\BRAC2005.SFF

Base: Maxwell AFB, AL (PNQS)

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	2,283	0	0	0	2,283
Civ Moving	18	0	18,971	0	0	0	18,990
Info Tech	0	0	167	0	0	0	167
Other	1,107	830	961	0	0	0	2,899
MIL PERSONNEL							
Mil Moving	0	0	1,976	0	0	0	1,976
OTHER							
HAP / RSE	0	0	1,832	0	0	0	1,832
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	1,126	830	26,189	0	0	0	28,146

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	-2,100	-2,100	-2,100	-2,100	-8,401	-2,100
Recap	0	0	-1,056	-1,056	-1,056	-1,056	-4,224	-1,056
BOS	0	0	-4,984	-4,984	-4,984	-4,984	-19,937	-4,984
Civ Salary	0	0	-2,826	-5,652	-5,652	-5,652	-19,782	-5,652
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	-4,587	-9,174	-9,174	-9,174	-32,108	-9,174
House Allow	0	0	-3,494	-3,494	-3,494	-3,494	-13,976	-3,494
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	-125,700	-125,700	-125,700	-125,700	-502,800	-125,700
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	-144,747	-152,160	-152,160	-152,160	-601,228	-152,160
TOTAL NET COST	1,126	830	-118,558	-152,160	-152,160	-152,160	-573,082	-152,160

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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\Alt 6 - MEO adj & Contractor and
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\BRAC2005.SFF

Base: Hanscom AFB, MA (MXRD)

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	19,272	112,053	0	0	0	0	131,325
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPP	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Info Tech	8,969	0	0	0	0	0	8,969
Prog Manage	0	0	0	0	0	0	0
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	16,309	0	0	0	0	0	16,309
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	486	0	0	0	0	0	486
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	22,810	0	15,472	0	38,282
TOTAL ONE-TIME	45,036	112,053	22,810	0	15,472	0	195,371

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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\Alt 6 - MEO adj & Contractor and
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\Montgomery BRAC\BRAC2005.SFF

Base: Hanscom AFB, MA (MXRD)

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	111	1,587	1,587	1,587	1,587	1,587	8,048	1,587
Recap	76	1,085	1,085	1,085	1,085	1,085	5,502	1,085
BOS	756	756	10,804	10,804	10,804	10,804	44,727	10,804
Civ Salary	2,140	4,279	7,071	7,071	7,071	7,071	34,703	7,071
TRICARE	0	0	2,764	2,764	2,764	2,764	11,055	2,764
MIL PERSONNEL								
Off Salary	687	1,375	1,375	1,375	1,375	1,375	7,561	1,375
Enl Salary	1,236	2,472	2,472	2,472	2,472	2,472	13,596	2,472
House Allow	358	358	7,688	7,688	7,688	7,688	31,466	7,688
OTHER								
Mission Activ	0	0	155,746	155,746	155,746	155,746	622,984	155,746
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	5,363	11,912	190,592	190,592	190,592	190,592	779,642	190,592
TOTAL COSTS	50,399	123,965	213,402	190,592	206,064	190,592	975,013	190,592

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	0	0	0	0	0	0	0	0

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COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 15/15
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Base: Hanscom AFB, MA (MXRD)

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	19,272	112,053	0	0	0	0	131,325
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Info Tech	8,969	0	0	0	0	0	8,969
Other	16,309	0	0	0	0	0	16,309
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	486	0	0	0	0	0	486
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	22,810	0	15,472	0	38,282
TOTAL ONE-TIME	45,036	112,053	22,810	0	15,472	0	195,371

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	111	1,587	1,587	1,587	1,587	1,587	8,048	1,587
Recap	76	1,085	1,085	1,085	1,085	1,085	5,502	1,085
BOS	756	756	10,804	10,804	10,804	10,804	44,727	10,804
Civ Salary	2,140	4,279	7,071	7,071	7,071	7,071	34,703	7,071
TRICARE	0	0	2,764	2,764	2,764	2,764	11,055	2,764
MIL PERSONNEL								
Mil Salary	1,923	3,847	3,847	3,847	3,847	3,847	21,157	3,847
House Allow	358	358	7,688	7,688	7,688	7,688	31,466	7,688
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	155,746	155,746	155,746	155,746	622,984	155,746
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	5,363	11,912	190,592	190,592	190,592	190,592	779,642	190,592
TOTAL NET COST	50,399	123,965	213,402	190,592	206,064	190,592	975,013	190,592

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COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10)
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Personnel

Base	Start*	Finish*	Change	%Change
Wright-Patterson AFB	15,885	15,281	-604	-4%
Lackland AFB	20,719	20,665	-54	0%
Maxwell AFB	6,505	5,405	-1,100	-17%
Hanscom AFB	2,789	4,247	1,458	52%
TOTAL	45,898	45,598	-300	-1%

Square Footage

Base	Start	Finish	Change	%Change	Chg/Per
Wright-Patterson AFB	13,341,000	13,114,044	-226,956	-2%	376
Lackland AFB	6,210,000	6,210,000	0	0%	0
Maxwell AFB	3,496,000	3,052,018	-443,982	-13%	404
Hanscom AFB	3,292,000	3,907,292	615,292	19%	422
TOTAL	26,339,000	26,283,354	-55,646	0%	185

Base Operations Support (2005$)

Base	Start*	Finish*	Change	%Change	Chg/Per
Wright-Patterson AFB	100,469,454	97,261,569	-3,207,884	-3%	5,311
Lackland AFB	72,616,691	72,451,590	-165,100	0%	3,057
Maxwell AFB	43,214,333	38,229,981	-4,984,352	-12%	4,531
Hanscom AFB	43,133,946	53,937,810	10,803,864	25%	7,410
TOTAL	259,434,424	261,880,951	2,446,527	1%	-8,155

Sustainment (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Wright-Patterson AFB	29,545,343	29,042,720	-502,623	-2%	832
Lackland AFB	2,642,451	2,642,451	0	0%	0
Maxwell AFB	16,537,061	14,436,901	-2,100,159	-13%	1,909
Hanscom AFB	13,581,241	15,168,622	1,587,381	12%	1,089
TOTAL	62,306,096	61,290,695	-1,015,401	-2%	3,385

Recapitalization (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Wright-Patterson AFB	33,360,037	32,792,518	-567,518	-2%	939
Lackland AFB	15,004,230	15,004,230	0	0%	0
Maxwell AFB	8,315,121	7,259,124	-1,055,996	-13%	960
Hanscom AFB	8,813,565	9,898,895	1,085,330	12%	744
TOTAL	65,492,952	64,954,768	-538,184	-1%	1,794

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COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10) - Page 2
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Sustain + Recap + BOS (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Wright-Patterson AFB	163,374,834	159,096,808	-4,278,026	-3%	7,083
Lackland AFB	90,263,372	90,098,271	-165,100	0%	3,057
Maxwell AFB	68,066,515	59,926,007	-8,140,508	-12%	7,400
Hanscom AFB	65,528,752	79,005,328	13,476,576	21%	9,243
TOTAL	387,233,472	388,126,414	892,942	0%	-2,976

Plant Replacement Value (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Wright-Patterson AFB	4,036,564,439	3,967,894,735	-68,669,704	-2%	113,691
Lackland AFB	1,815,511,833	1,815,511,833	0	0%	0
Maxwell AFB	1,006,129,610	878,354,027	-127,775,582	-13%	116,160
Hanscom AFB	1,066,441,328	1,197,766,328	131,325,000	12%	90,072
TOTAL	7,924,647,210	7,859,526,924	-65,120,286	-1%	217,068

* "Start" and "Finish" values for Personnel and BOS both include the Programmed Installation Population (non-BRAC) Changes, so that only changes attributable to the BRAC action are reflected in the "Change" columns of this report.

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TOTAL COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10)
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All values in 2005 Constant Dollars

Base Name	Total MilCon*	Milcon Cost Avoidence	Total Net Costs
Wright-Patterson AFB	0	0	0
Lackland AFB	0	0	0
Maxwell AFB	0	0	0
Hanscom AFB	131,325,000	0	131,325,000
Totals:	131,325,000	0	131,325,000

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

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COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10) - Page 2
Data As Of 7/19/2005 9:53:32 AM, Report Created 7/19/2005 12:25:38 PM

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MilCon for Base: Hanscom AFB, MA (MXRD)

All values in 2005 Constant Dollars ($K)

FAC	Title	UM	New MilCon	New Cost*	Using Rehab	Rehab Type	Rehab Cost*	Total Cost*
2172	Electronic and Communication Maintenance	SF	15,000	n/a**	0	Default	n/a**	6,750
3171	Electronic and Communication RDT&E Facili	SF	30,000	n/a**	0	Default	n/a**	9,000
6100	General Administrative Building	SF	570,292	n/a**	0	Default	n/a**	115,575

Total Construction Cost:	131,325
- Construction Cost Avoid:	0
Total Net Milcon Cost:	131,325

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

**No New Milcon / Rehabilitation Cost breakdown is available if Total Cost was entered by the user.

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COBRA NET PRESENT VALUES REPORT (COBRA v6.10)
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Year	Cost($)	Adjusted Cost($)	NPV($)
2006	49,915,263	49,230,790	49,230,790
2007	107,844,896	103,468,922	152,699,712
2008	91,594,456	85,484,308	238,184,021
2009	17,528,659	15,913,759	254,097,780
2010	33,000,659	29,144,297	283,242,077
2011	17,528,659	15,058,668	298,300,745
2012	17,528,659	14,648,509	312,949,255
2013	17,528,659	14,249,523	327,198,778
2014	17,528,659	13,861,404	341,060,181
2015	17,528,659	13,483,856	354,544,037
2016	17,528,659	13,116,591	367,660,628
2017	17,528,659	12,759,330	380,419,958
2018	17,528,659	12,411,799	392,831,758
2019	17,528,659	12,073,735	404,905,492
2020	17,528,659	11,744,878	416,650,371
2021	17,528,659	11,424,979	428,075,350
2022	17,528,659	11,113,793	439,189,142
2023	17,528,659	10,811,082	450,000,225
2024	17,528,659	10,516,617	460,516,842
2025	17,528,659	10,230,172	470,747,014

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TOTAL COBRA PERSONNEL IMPACT REPORT (COBRA v6.10) - Page 1/5
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	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	828	0	0	0	828
Early Retirement*	8.10%	0	0	67	0	0	0	67
Regular Retirement*	1.67%	0	0	14	0	0	0	14
Civilian Turnover*	9.16%	0	0	76	0	0	0	76
Civs Not Moving (RIFs)*	6.00%	0	0	50	0	0	0	50
Civilians Moving (the remainder)		0	0	621	0	0	0	621
Civilian Positions Available		0	0	207	0	0	0	207
CIVILIAN POSITIONS ELIMINATED		191	0	85	0	0	0	276
Early Retirement	8.10%	16	0	7	0	0	0	23
Regular Retirement	1.67%	3	0	1	0	0	0	4
Civilian Turnover	9.16%	18	0	8	0	0	0	26
Civs Not Moving (RIFs)*	6.00%	11	0	5	0	0	0	16
Priority Placement#	39.97%	76	0	34	0	0	0	110
Civilians Available to Move		67	0	30	0	0	0	97
Civilians Moving		0	0	30	0	0	0	30
Civilian RIFs (the remainder)		67	0	0	0	0	0	67
CIVILIAN POSITIONS REALIGNING IN		0	0	828	0	0	0	828
Civilians Moving		0	0	651	0	0	0	651
New Civilians Hired		0	0	177	0	0	0	177
Other Civilian Additions		61	0	0	0	0	0	61
TOTAL CIVILIAN EARLY RETIREMENTS		16	0	74	0	0	0	90
TOTAL CIVILIAN RIFS		78	0	55	0	0	0	133
TOTAL CIVILIAN PRIORITY PLACEMENTS#		76	0	34	0	0	0	110
TOTAL CIVILIAN NEW HIRES		61	0	177	0	0	0	238

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPP placements involving a PCS is 50.70%

INCOSE
INTERNATIONAL COUNCIL ON SYSTEMS ENGINEERING
DELAWARE VALLEY CHAPTER

DCN:11659

The C4ISR Architecture Framework and its Impact on the System Engineering Process

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What is C4ISR?

DCN:11659

C ommand,

C ontrol,

C ommunications,

C omputers,

I ntelligence,

S urveillance, and

R econnaissance

The "Stovepipe" Environment c.1991 (Desert Storm)

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- *AF PAM 700-50*
- *Army IMA*
- *USMC MIRC MCTCA*
- *DODIIS*
- *Copernicus*
- *Others*

No Single Structure Defines the Components or the DoD Technical Infrastructure

Different Principles Assumptions and Terminology are used in Service/Agency Architectures

Will Lead to Systems that are Non-Integratable and Non-Interoperable

The Problem

- Disparate architecture views and approaches
- Current initiatives excellent, but unintegrated (Horizon, Enterprise, Copernicus, ...)
- DoD-Level efforts being working in parallel (ITF, JTA, AMWG, FPI, DII, ...), but not readily coupled

We are still unable to articulate how our current and planned capabilities fit in context with Joint/Combined mission operations, the evolving infrastructure, and other CINC, Service, and Agency initiatives.

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DepSecDef Tasking Memo October 10, 1995

"...I am directing the acceleration of the development of C4I integration and architecture efforts through the creation of a DoD-wide C4I Integrated product Team. ...I have designated the ASD(C3I), in his capacity as the department's C4I architect to sponsor, organize, and manage this effort."

- **Outlines the Specific Purposes**
  - ***"...to define and develop better means and processes to ensure C4I capabilities most effectively meet the needs of the warfighters."***
  - ***"...to outline the roles, responsibilities, and authorities required to implement these across DoD"***
  - ***"...to make specific recommendations for implementation"***

Definition and Direction: "Make it so..."

- ***An architecture is defined as the structure of components, their relationships, and the principles and guidelines governing their design and evolution over time.***

IEEE STD 610.12 as extended in the C4ISR Architecture Framework v. 2.0

- ***We see the C4ISR Architecture Framework as a critical element of the strategic direction in the Department, and accordingly direct that all on-going and planned C4ISR or related architectures be developed in accordance with Version 2.0. Existing C4ISR architectures will be redescribed in accordance with the Framework during appropriate revision cycles.***

USD (A&T), ASD(C3I), Joint Staff Director for C4 Systems
23 February 1998 Memorandum
Subject: Strategic Direction for a DoD Architecture Framework

Integrating Architectures

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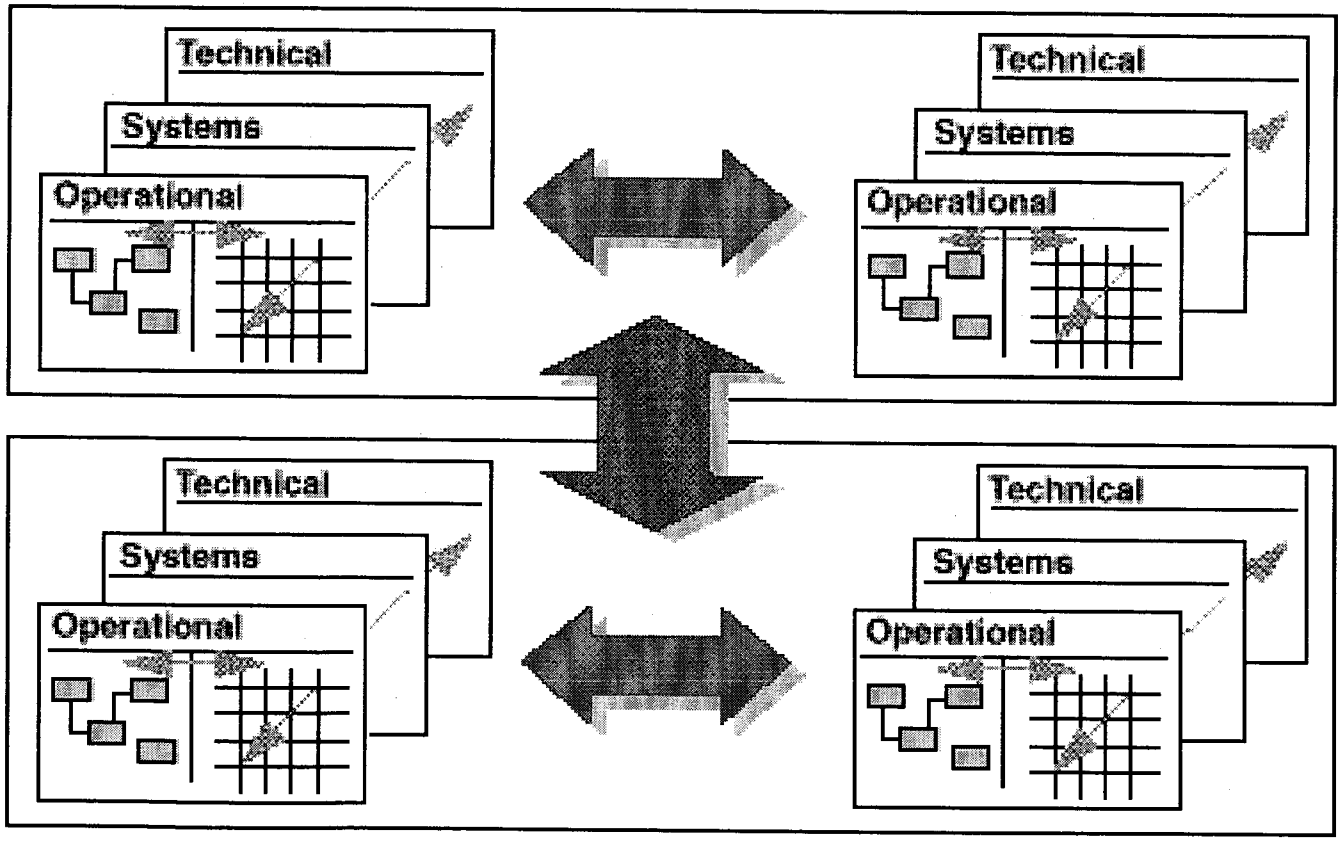


Integration within and across architecture views

Integration between architectures of the same level

Integration between different level architectures

Defining the "Views" for C4ISR

- **Operational Architecture**
  - ***Descriptions of the tasks, operational elements, and information flows required to accomplish or support a warfighting function.***
- **Systems Architecture**
  - ***Descriptions, including graphics, of systems and interconnections providing for or supporting warfighting functions.***
- **Technical Architecture**
  - ***A minimal set of rules governing the arrangement, interaction, and interdependence of the parts or elements whose purpose is to ensure that a conformant system satisfies a specified set of requirements.***

C4ISR

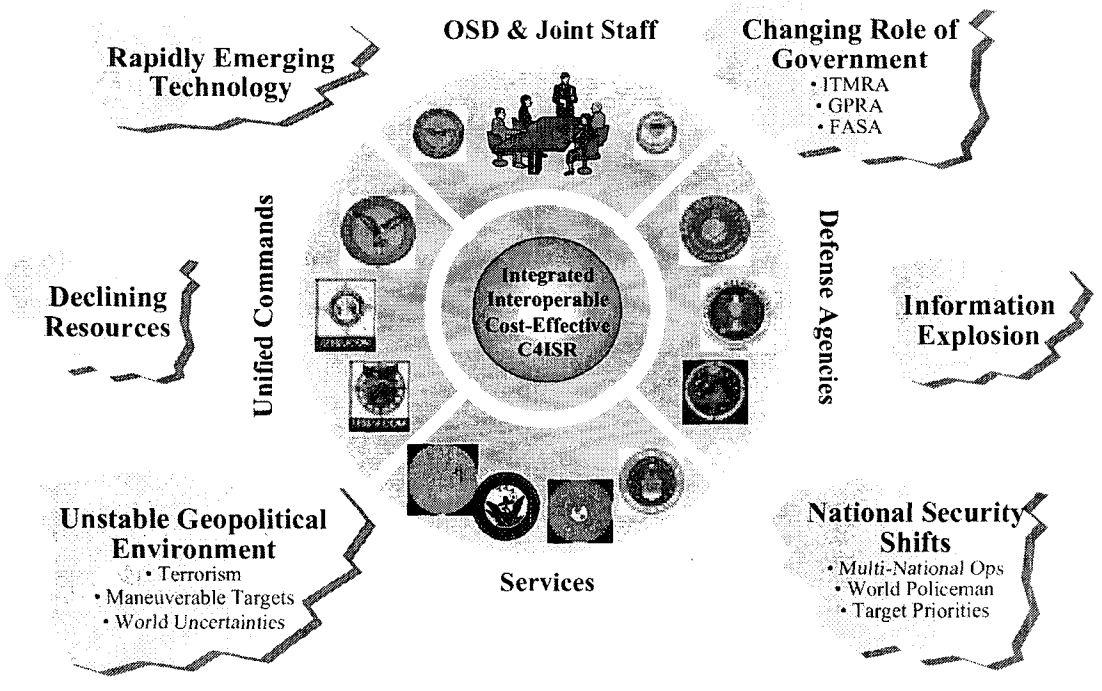
"Forces harnessing the capabilities potentially available from this [C4ISR] system-of-systems will gain dominant battlespace awareness, an interactive 'picture' which will yield much more accurate assessments of friendly and enemy operations within the area of interest. Although this will not eliminate the fog of war, dominant battlespace awareness will improve situational awareness, decrease response time, and make the battlespace considerably more transparent to those who achieve it."

- Joint Vision 2010

Overview

In order to achieve the dominant battlespace awareness called for in Joint Vision 2010, today's fragmented Command, Control, Communications, Computers, Intelligence Surveillance, and Reconnaissance (C4ISR) development processes must become more focused, efficient, and effective. The objective must be a joint C4ISR capability that is integrated, interoperable, efficient, and meets today's demanding mission needs.

Many aspects of today's environment place a premium on achieving the objective C4ISR capability outlined above.



The Challenge for DoD

The passing of the Cold War has resulted in a varied and uncertain threat environment, one that must be successfully met in the face of declining DoD budgets. These facets,

coupled with the information explosion enabled by the rapid emergence of information technology (e.g., the Internet), require that DoD put in place a means to acquire and implement C4ISR capabilities that are "born joint," interoperate across all boundaries at the levels of sophistication necessary to meet the mission need, provide an integrated, interactive "picture" of the battlespace, and can rapidly accommodate integration of emerging technologies and capabilities (e.g., computer processing, precise global positioning, telecommunications).

Furthermore, recent government legislation (e.g., the Information Technology Management Reform Act [ITMRA], also known as the Clinger-Cohen Act of 1996, and the Government Performance and Results Act of 1993 [GPRA]) is placing more emphasis on the need to pursue interoperable, integrated, and cost-effective business practices and capabilities within each organization and across DoD, particularly with respect to information technology. Together, the ITMRA and GPRA serve to codify the efficiency, interoperability, and leveraging goals being pursued by the Unified Commands, Services, and Agencies of DoD.

In 1995, DoD chartered a C4ISR Integration Task Force (ITF) comprised of the major Command, Service, and Agency stakeholders to define and develop better means and processes to ensure C4ISR capabilities most effectively meet warfighter needs. The ITF met that tasking by developing actionable recommendations to improve the key DoD processes (e.g., architectures, requirements, resource allocation, acquisition) that impact the ability of C4ISR to support warfighters and decision makers effectively.

On 18 October 1996, the Assistant Secretary of Defense for Command, Control, Communications, and Intelligence (ASD[C3I]) and the Joint Staff, J6 chartered a C4ISR Architecture Working Group (AWG) to refine and extend the architecture and interoperability assessment recommendations put forward by the C4ISR ITF:

" The ... IAP ... developed very promising concepts and recommendations for the application of architectures to support the improved integration of C4ISR capabilities within DoD. We believe that most of the IAP recommendations warrant the eventual mandate of the Deputy Secretary of Defense ... we think it is prudent to establish a process ... that is intended to evolve, validate and mature ... the IAP's recommendations in a collaborative environment prior to formal mandate."

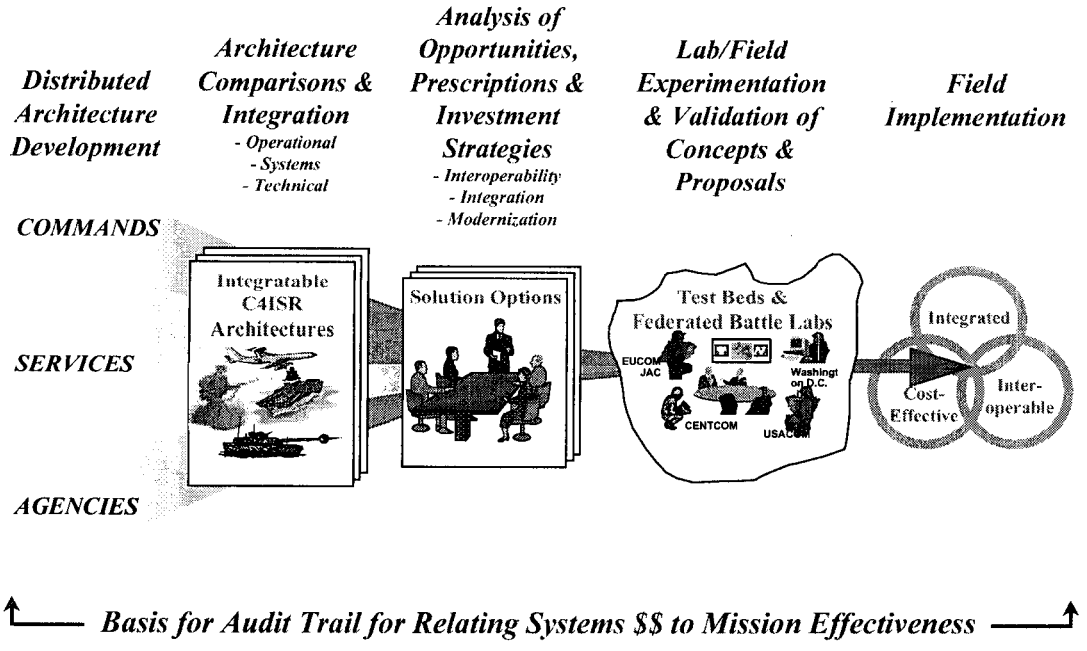
- Joint Staff (J6), PDASD(C3I)
18 October 1996

From the end of January though November 1997, the C4ISR AWG responded to the charge, and significantly evolved the products and recommendations established by the Integrated Architectures Panel (IAP) of the C4ISR ITF.

The Need – A Unified C4ISR Development Process

In order to field interoperable, integrated, and cost-effective C4ISR capabilities, DoD must establish a unified process that encompasses cross-domain architectural context, frameworks, and models; focused integration/interoperability assessment and testing processes, metrics, and measures of performance; and analysis to determine cost-effective solution options. Ideally, this unified process (see figure below) would work as follows:

- Distributed development of C4ISR operational, systems, and technical architecture views would continue
- Architectures would be easily compared and interrelated across organizational boundaries due to common look, touch, and feel
- The DoD components would leverage the integratable architecture(s) to:
  - Discuss and reconcile differences regarding common joint interactions
  - Examine applications of current and emerging technology
  - Look for leveraging opportunities
  - Identify and prioritize key systems interoperability problems and objectives
- Not-so-obvious concepts would be tested for validity and cost-effectiveness prior to committing to a potentially costly acquisition or full-scale integration activity
- Notions, ideas, concepts, limited demonstrations, and fielded capabilities could be traced back through the architecture audit trail to assess the impact on operational mission effectiveness

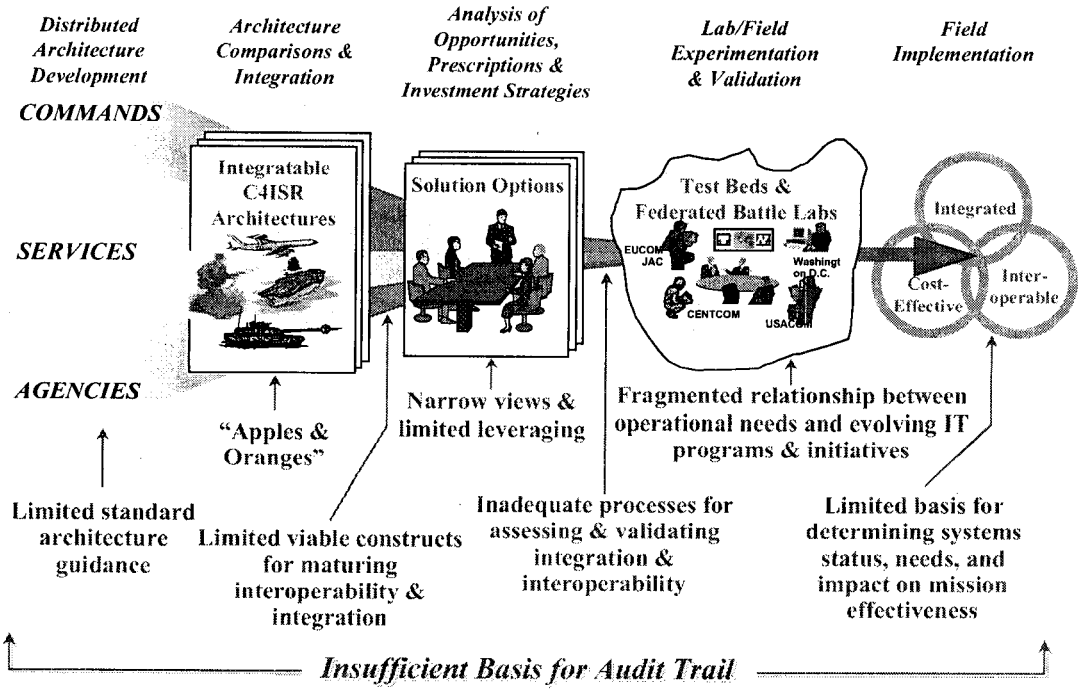


Unified Process for Achieving Integrated, Interoperable, and Cost Effective C4ISR Capabilities

The Obstacles

Today, there are many obstacles that must be overcome in order for DoD to establish and implement a unified C4ISR development process. First, there is insufficient architecture development guidance enabling the DoD components to compare their individually described architecture views. Secondly, the existing definition of interoperability is too limited. It alludes to the fact that there are "degrees" of interoperability, but does not define what they are. In order to facilitate assessments and improvement strategies regarding systems interoperability, the community needs to recognize key distinctions in levels of information systems interaction and sophistication brought about by the nature of operational needline requirements and the differences in information systems capabilities due to affordability limitations. Finally, there are limited common, practical processes for integration and interoperability experimentation and testing.

DoD's ability, *as a community*, to analyze and find opportunities for increased integration, technology leveraging, and interoperability is further constrained by limited testing and knowledge of potential leveraging opportunities and very little basis for an audit trail to mission effectiveness.



Impediments to a Unified Process for Achieving Integrated, Interoperable, and Cost Effective C4ISR Capabilities

DCN:11659

BASE VISIT REPORT

MAXWELL AIR FORCE BASE

May 26, 2005

LEAD COMMISSIONER:

Admiral Harold W. Gehman, Jr., USN (Ret.)

ACCOMPANYING COMMISSIONER:

None.

COMMISSION STAFF:

Lester C. Farrington, Senior Analyst

LIST OF ATTENDEES:

Lt Gen John Regni-Commanding Officer, Air University
Col John Neubauer-Commander, 42nd Air Base Wing
Frank P. Weber-Director- Operations Support Systems Wing, Electronics Systems Center, Hanscom Air Force Base
Greg Garcia-Incoming Director- Operations & Sustainment Systems Group-Maxwell AFB
Howard Stubblefield, Acting Director- OSSG-Maxwell
Col James Brewster- Deputy Dir., OSSG-Maxwell
John Macker-Dir. Plans & Programs, OSSG-Maxwell
Robert Littlejohn-Facilities Engineer-Maxwell
Toy Robinson-Engineering Squadron/Chief Architect
Tommy Pope-Financial Management
MAJ Susan Turley-Judge Advocate
Chief Master Sgt. Andrea Reese-Superintendent
Phil Berube-Public Affairs
Col Howard Stendahl-Head of Chaplains School

BASE'S PRESENT MISSION:

As part of Air Education Training Command, Air University conducts military, graduate and continuing education for precommissioned and commissioned officers, enlisted personnel and civilians. One of the tenants is the 908th Airlift Wing (C-130). A much more significant is the Operations and Sustainment Systems Group (OSSG). The mission

of OSSG is to provide and support combat support information systems and networks (that is, non-Tactical Data networks) for Air Force and DOD components using innovative information and technology contracts to acquire and manage Enterprise services and commodities.

SECRETARY OF DEFENSE RECOMMENDATION:

--Close Mansfield-Lahm Municipal Airport Air Guard Station, OH and move 4 C-130 aircraft to Maxwell AFB and 4 to Little Rock AFB, AR.
--Realign Maxwell, NAS-Meridian and Naval Station, Newport by relocating religious training and education to Ft. Jackson, SC.
--Realign WPAFB, Maxwell AFB and Lackland AFB by relocating air and space information systems research and development and acquisition to Hanscom.

SECRETARY OF DEFENSE JUSTIFICATION:

This recommendation is intended to reduce the number of technical facilities engaged in Air & Space Sensors, Electronic Warfare, and Information Systems RDAT&E from 6 to 2. Through this consolidation, the Department will increase efficiency of RDAT&E operations resulting in a multi-functional center of excellence in the rapidly changing area of C4ISR.

MAIN FACILITIES REVIEWED:

1. Operations & Sustainment Systems Group-Gunter Annex, Maxwell AFB
2. Engineering & Integration Systems Squadron- Gunter Annex, Maxwell AFB

KEY ISSUES IDENTIFIED

--The move of OSSG from Maxwell to Hanscom would have an impact on Montgomery's economy. The impact would equate to a loss of $750M in total revenue to the Montgomery area. A total of 711 contractors are involved, "inside the gate." According to officials, this loss was not quantified nor considered in BRAC data.
--Maxwell is to lose 1251 people (740 military, 511 civilian) to Hanscom. (Certified data provided by Maxwell on 12/06/04 showed 669 mil and 528 civ). The OSSG area at Maxwell consists of 7 buildings and 2 warehouses to be completely vacated by the move. The current vs. authorized occupancy as of 5/24/05 is as follows:

1845 actual
1937 authorized (670 mil, 554 civ, 713 contractors)

--Regeneration of the workforce at Hanscom is a concern. Moving from a low to high cost area in MA makes the move for many questionable. A transition plan has not been prepared and affected workers have not been polled. The belief is that few people will move out of Montgomery.

--OSSG essentially operates and maintains scores and scores of non-tactical, administrative data networks. OSSG's operational boss is the CG, 8th Air Force at Barksdale AFB in LA. What OSSG does could be done anywhere. OSSG does little or no R&D, T&E or acquisition, so the benefit of co-locating OSSG with the R&D and acquisition community at Hanscom AFB will have to be demonstrated.

--While some savings would be realized through consolidation, specific savings will have to be examined and verified at OSD. MILCON requirements at Hanscom and moving costs are documented in COBRA runs. None of this information was available at the time of the visit.

-- Receipt of the C-130's and required infrastructure present no problem. Relocation of religious training to Ft. Jackson to establish a joint center of excellence may not be the best move for the Air Force because the curriculum offered at the joint center may not adequately emphasize religious training from an individual service perspective and in the case of Air Force, how religious training will relate to Air Force policies and procedures. Commissioner Gehman questions the rationale for combining chaplain training.

INSTALLATION CONCERNS RAISED

--loss of people to Hanscom and the likelihood that many of the personnel affected by the move will not relocate to the higher cost of living area of New England.
--loss of the business base in the Montgomery area where over $750M in contracts will be lost.

COMMUNITY CONCERNS RAISED:

One point paper provided to Commission staff after the Base Visit identified the following expected community and congressional concerns:

1. Allegation was made that pertinent data was excluded and are puzzled by certain logic in the proposal. BRAC data may have omitted all contractors, whether on or off base.
2. Question was raised whether BRAC data considered "sustainment and operations" missions in the recommendation to consolidate. Question raised whether it is appropriate to relocate proven, existing operations and sustainment missions into the consolidated RDAT&E C4ISR centers.
3. Point was made that OSSG's ties with the Defense Information Systems Agency may not have been properly factored before the OSSG realignment was reached. A DISA site is co-located at Gunter next to OSSG and DISA relies on OSSG for its USAF Network Operations Center, operating platforms in the DISA facility, and shares and leverages infrastructure for long-haul communication with big pipes and trunks.
4. Given the high cost of living in the Boston area, issue raised whether there are tangible economic advantages of consolidating at Hanscom. Prospects of filling additional information technology civilian positions were claimed to be suspect.

Another point paper provided to Commission staff enumerated the above but focused on military value. Paper addressed the significant amount of IT intellectual capital accumulated in Montgomery over the last 34 years. The wealth of knowledge primarily centers around legacy systems the AF depends upon to accomplish its mission, and it primarily resides in a contractor base made up of retired military and civilian employees who will probably not be willing to move to another location. The paper also addressed the critical AF Network Operations Center that allows OSSG to provide end-to-end resolution, tracking, and status monitoring of all AF networks and applications.

The overall conclusion drawn by the community in this point paper was that the BRAC recommendation concerning consolidation of RDAT&E for IT systems is something that will pay dividends over time in efficiency, synergy, and innovation. However, the operations and sustainment missions performed by OSSG are totally separate from that vision. These missions could and should remain at Gunter without impacting the mission at Hanscom. Significant savings and efficiencies could be realized through the cost avoidance of not moving and rebuilding the extensive infrastructure associated with the 24-hour operations center, the contractor supported sustainment missions, and the total loss of joint connectivity with the DISA control center.

The issues raised by the community need to be researched by Commission staff.

REQUESTS OF STAFF AS A RESULT OF VISIT:

--All "claims" as to what was and what was not considered must be researched.
--The BRAC report lists one rolled-up number for all consolidations at Hanscom; the report we had at the time of the visit did not break out OSSG from Maxwell.
--Need better understanding of the chaplain training.

Farrington, Lester, CIV, WSO-BRAC

From: Shaffer, Alan, Mr, OSD-ATL

Sent: Friday, August 05, 2005 6:34 AM

To: Farrington, Lester, CIV, WSO-BRAC

Cc: Buckstad, Robert, COL, OSD-ATL; Short, James, Dr, OSD-ATL; Castle Fred F Brig Gen AF/XP; Mleziva Matt Ctr SAF/AQX

Subject: Responses from Tuesday meeting

Signed By: alan.shaffer@osd.mil

Attachments: Newport CH 0468 DoN 0156.doc; Why Move OSSG and DFSG to Hanscom AFB edit 1.doc

Les: I am forwarding responses to two of the questions you posed during our meeting on Friday. The responses attempt to address your questions with respect to Newport and movement of the OSSG from Maxwell (and WPAFB) to Hanscom AFB.

I understand you have received the two cobra runs you requested for the MUGU sea range operations

I sent the tracking matrix on Wednesday.

I think this closes out the actions and due outs to you.

Best regards

Al

Alan R. "Al" Shaffer
Director, Plans and Programs
ODDRE
(703) 695-9604

DCN:11659

Why Move OSSG and DFSG to Hanscom AFB?

For C4ISR RDAT&E, the TJCSG strove to address two of the biggest C4ISR concerns that come from the operational community:

(1) the various systems delivered to the field don't work well together (i.e., they don't interoperate), and

(2) the technology takes too long to get to the field and thus is dated when it's finally fielded.

The root cause of these concerns is the multiple, dispersed C4ISR RDAT&E activities.

The natural tendency of geographically separate units (GSUs), such as OSSG and DFSG, is to pursue technical solutions that use local Information Technology (IT) assets and products with which they are familiar. This can lead to unique, not readily interoperable IT solutions that do not reflect the state-of-the-art--especially when the GSUs are located in places of lesser IT intellectual capital. The result is that extra effort, manpower and time is required to integrate the C4ISR products from those two Support Groups with the C4ISR products from the remainder of the Operations Support Systems Wing and the other C4ISR Wings, all of which are located at Hanscom AFB.

Similarly, co-locating the Air & Space C4ISR Research (currently at Wright-Patterson AFB) with the Development, Acquisition and Test & Evaluation (non-open air range) at Hanscom AFB is designed to reduce the cycle time required to field Information Systems technology and ease the integration of new technology into C4ISR products headed for the field.

With fewer seams in the RDAT&E process, the SECDEF Recommendation to realign C4ISR RDAT&E to Hanscom AFB is consistent with the BRAC Criteria (i.e., Military Value) and should dramatically reduce the personnel, cycle time and effort required to deliver Air & Space C4ISR capability to the operational community.

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DCN:11659

TECH-6
COMBINED
Community Input

Farrington, Lester, CIV, WSO-BRAC

From: Joe Greene [Jgreene@montgomerychamber.com]
Sent: Tuesday, August 09, 2005 4:34 PM
To: 'Lester. Farrington (E-mail)
Cc: Louis C. Ferraro (Associate) (E-mail)
Subject: Combined Community Inputs from Maxwell, WP and Lackland on Move to Hanscom
Attachments: LES Farrington Why Move OSSG and DFSG Ver 1.1.doc; DFSG OSSG Reclama Table v1.2.doc; DFSG OSSG DRaft BRAC Report v1.2.doc

Les--Know you are busy, but wanted to get to you a couple of inputs in response to our last discussion. Have attached three documents.

First paper is a combined community response to the TJCSG response to question: Why move OSSG and DFSG to Hanscom?

The second is a chart that summarizes each community argument as to why we don't fit.

The third is some suggested language should you decide to reject the entire piece.

All have been coordinated with the other two communities.

Will be glad to discuss this and provide any further information that may be useful. Will also call to ensure you got everything.

Take care,
Joe
<<LES Farrington Why Move OSSG and DFSG Ver 1.1.doc>> <<DFSG OSSG Reclama Table v1.2.doc>>
<<DFSG OSSG DRaft BRAC Report v1.2.doc>>

DCN:11659

Why Move OSSG and DFSG to Hanscom AFB?

TJCSG Answer: For C4ISR RDAT&E, the TJCSG strove to address two of the biggest C4ISR concerns (Deleted "Gripes") that come from the operational community.

(1) the various systems delivered to the field don't work well together (i.e. they don't interoperate), and
(2) the technology takes too long to get the field and thus is dated when it's finally fielded.

Community Response: The Operational community's concerns regarding delays in fielding and lack of interoperability of C4ISR Products are legitimate. However, DFSG and OSSG **do not** generate C4ISR Products; therefore, the concerns (gripes) are not aimed at these organizations. DFSG and OSSG acquire, enhance, field, and sustain legacy Business Systems and COTS ERP solutions. These are **NOT** C4ISR systems.

TJCSG Answer: The root cause of these concerns (Deleted "Gripes") is the multiple dispersed C4ISR RDAT&E activities.

Community Response: Not being C4ISR activities, DFSG and OSSG are not among the dispersed C4ISR activities and therefore, do not contribute to the "root cause" of the Operational community's concerns.

TJCSG Answer: The natural tendency of geographically separate units (GSUs), such as OSSG and DFSG, is to pursue technical solutions that use local Information Technology (IT) assets and products with which they are familiar.

Community Response: The development of the vast majority of business systems for the Air Force has occurred at Wright-Patterson AFB and Gunter AFB using up-to-date technology and resources provided at the time they were developed. The solutions that are fielded are as much a factor of customer requirements and resources provided as they are of technology. It logically follows that near these locations, the "IT intellectual capital" developed and resides. It will take years to duplicate this unique Business Systems IT intellectual capital at Hanscom. The intellectual capital at Wright-Patterson and Gunter AFB is as knowledgeable, if not more so, of current IT COTS technology as anywhere in the government and industry.

TJCSG Answer: This can lead to unique, not readily interoperable IT solutions that do not reflect the state-of-the-art especially when the GSUs are located in places of lesser (Deleted "Relatively low") IT intellectual capital.

Community Response: Interoperability of IT solutions starts with clearly defined requirements and system architectures. This role for Business (Operational Support) Systems standards belongs to ESC at Hanscom. Realigning DFSG and OSSG to Hanscom will not guarantee interoperability.

TJCSG Answer: The result is that extra effort, manpower and time is required to integrate the C4ISR products from those two Support Groups with the C4ISR products from the remainder of the Operations Support Systems Wing and the other C4ISR Wings, all of which are located at Hanscom AFB.

Community Response: DFSG and OSSG do not produce C4ISR Products; therefore, they do not require integration with C4ISR products. It is not surprising then, that no specific examples of the "extra effort, manpower and time" required for integration were provided.

TJCSG Answer: Similarly, co-locating the Air & Space C4ISR Research (currently at Wright-Patterson AFB) with the Development, Acquisition and Test & Evaluation (non-open air range) at Hanscom AFB is designed to reduce the cycle time required to field Information Systems technology and ease the integration of new technology into C4ISR products headed for the field.

Community Response: Due to its role in C4ISR, we support the realignment of AFRL's Information Directorate branches at Wright-Patterson AFB. However, the stated problem is not relevant because the DFSG and OSSG are not involved with C4ISR.

TJCSG Answer: With fewer seams in RDAT&E process, the SECDEF Recommendation to realign C4ISR RDAT&E to Hanscom AFB is consistent with the BRAC Criteria (i.e., Military Value) and should (Deleted "Will"), dramatically reduce the personnel, cycle time and effort required to deliver Air & Space C4ISR capability to the operational community.

Community Response: As noted above, DFSG and OSSG are not part of C4ISR, not part of the interoperability concerns, and do not contribute to any delay in fielding C4ISR products.

DCN:11659

Proposed Recommendation for the BRAC 2005 Report to the President

Consolidate Air and Space C4ISR Research, Development and Acquisition, Test and Evaluation

Category: Technical Joint Cross Service Group
Mission: RDAT&E for C4ISR (Maxwell AFB handles OSSG)
One Time Cost: $254.4M
Savings: $238.0M over 20 years
Return on Investment: 8 Years
Annual Recurring Savings: $36.2M
Final Action: Realign

Secretary of Defense Recommendation

Realign Wright Patterson AFB, OH, Maxwell AFB, AL, and Lackland AFB, TX by relocating Air and Space Information Systems Research and Development and Acquisition to Hanscom AFB, MA. Realign Eglin AFB, FL by relocating Air and Space Sensors, Electronic Warfare and Electronics and Information Systems Test and Evaluation to Edwards AFB, CA.

Secretary of Defense Justification

This recommendation will reduce the number of technical facilities engaged in Air and Space Sensors, Electronic Warfare, and Electronics and Information Systems RDAT&E from 6 to 2. Through this consolidation, the Department will increase efficiency of RDAT&E operations resulting in a multi-functional center of excellence in the rapidly changing technology area of C4ISR.

Community Concerns

Maxwell AFB

This consolidation does not account for the operations and sustainment portions of the information systems mission currently performed by the Operations and Sustainment Systems Group (OSSG) at Maxwell Gunter AFB. The OSSG was realigned last year to become the single entity within the Air Force to oversee the operations and sustainment of IT mission support systems worldwide. The operations side of OSSG currently provides 24/7 operational support of Air Force, DoD, and joint service systems. This includes maintenance of 111 secure combat information legacy systems at more than 200 operational locations worldwide. Moving OSSG to Hanscom AFB merges disparate missions and workforces and puts at risk the corporate knowledge (i.e. Military Value) of the current workforce. The age of the current IT systems demands functional expertise and accumulated experience to keep them operating since many of the software programs are written in computer languages that are no longer used or taught. The workforce for operations and sustainment is fundamentally different from an R&D workforce and the mission would have to essentially be recreated at Hanscom with little or no reduction in workforce. Additionally, OSSG is the only AF technology facility collocated with one of the four Defense Information Systems Agency (DISA) Command and Control centers in the nation. DISA is responsible for global O&M of computer systems and networks

throughout DoD and maintains the network backbone on which Air Force Systems run. A new $13 million operations control center is under construction that further consolidates the operations and sustainment elements of OSSG's mission and provides space for planned future mission expansion. The entire OSSG workforce was not properly accounted for in the DoD COBRA analysis, which incorrectly lowers the ROI and increases the annual savings to the government. The community supports the creation of an RDAT&E Center of Excellence at Hanscom AFB, but the operational elements of OSSG are not R&D, and therefore should remain at Maxwell-Gunter AFB. This would save at least $400 million over the proposed move while still maintaining the joint synergies with the existing DISA facility at Maxwell Gunter. It is in line with the Air Force's future plans to consolidate network activities in the OSSG network ops center and DISA's plans to create Mission Centers at its four major IT nodes. It also continues to leverage the highly skilled, experienced workforce that is already in place and providing uninterrupted operational support to the warfighter.

Wright Patterson AFB

This consolidation does not account for the fact that the mission at DFSG was improperly categorized as RDAT&E. The DFSG acquires Commercial-Off-the-Shelf (COTS) software solutions for private industry including Enterprise Resource Planning (ERP) implementations. Based on lessons learned from industry, inclusion of users in all activities is important along with having top management involvement and support in the whole project. It is critically important to the success of the implementation process to have them collocated at HQ AFMC. By moving this mission to Hanscom AFB, there is a clear risk of failure in DFSG operations supporting acquisition programs, thereby, jeopardizing logistics support for warfighting commanders. This represents a substantial deviation from Final Criterion 1, current and future mission capabilities, because of the potential for lowered performance and schedule delays, cost increases, and risk of mission failure due to the realignment of DFSG to Hanscom AFB. The Defense Department understated personnel loss in the Dayton area. Moreover, local Dayton Region Information Technology contractors supporting DFSG's acquisition mission are part of the intellectual capital and not accounted for in the calculation of military value or the differential contractor costs between Dayton and Boston. Neither development nor Advisory and Assistance Service (A&AS) DFSG on-site contractors were factored into the BRAC COBRA equation. The Dayton Region's calculations reveal that, rather than the Defense Department reported saving of $229 million dollars, there would be a loss to DoD of $421 million.

Lackland AFB

This consolidation does not account for the fact that the Crypto Acquisition mission at Lackland Air Force Base is already a joint operation and is collocated with its major customers, Air Intelligence Agency and the National Security Agency. The consolidation also does not account for the acquisition of Crypto equipment requiring unique skills that have been developed at Lackland AFB over the past 50 years. This proposed move did not consider any contractor costs (181 contractors) and underestimated the government personnel required by almost 100% (44 to 83). In addition, this is not an R&D mission as R&D for this specialty is done by industry and NSA. NSA has formally objected to this move because they had competed this work and found Lackland AFB to be the best place

to do this work for the entire government not just DoD. Moving this mission to Hanscom AFB will substantially increase military risk due to the 50-plus years of experience that will be lost and the fact that it will take twenty-four months to get each new contractor cleared to work on these programs. In addition, this move will cost, not save, money for the taxpayer.

Commission Findings

The Commission agrees with the Communities that the work at these three locations is not research and development. Additionally, the Commission found that the DoD COBRA analysis did not take into account the full workforce structure in that it did not account for mission contractor work forces at any of the locations and in some cases took credit for changes already effected. The Commission found that the Department-proposed consolidation of these workforces at Hanscom AFB would severely diminish the Air Force's ability to serve and support its Information Technology requirements worldwide. As a result, operational readiness and force capabilities would be adversely impacted, thereby degrading military value.

Commission Recommendation

The Commission finds that the Secretary of Defense recommendation deviated substantially from the force structure plan and BRAC criteria 1, 3, and 4. Therefore, the Commission rejects the Secretary of Defense recommendation to realign Wright Patterson AFB, OH, Maxwell AFB, AL, and Lackland AFB, TX by relocating Air and Space Information Systems Research and Development and Acquisition at these locations to Hanscom AFB, MA.

DCN:11659

Location	Military Value	Cost	Does it Fit?
Hanscom AFB	• No jointness • No Business Systems intellectual capital • No Operations and Sustainment intellectual capital • Workforce from other locations unlikely to move to Hanscom • Increased risk of operational failure	• Very high cost area • Civil Service 7% increase from Maxwell • Contractors 30% - 100% increase • Can't fill current Civil Service positions • Did not consider any contractor costs • Cost of moves **never** recovered • MilCon and Communications costs understated	• Experience restricted to Command & Control & ISR systems. • No business systems or Operations and Sustainment experience in government or contractor workforce
Maxwell - Gunter AFB	• Jointness with local DISA Organization • 30+ Years of Experience in Operations and Support • 24/7 Network Operations Center • Air Force and DISA Network Operations Consolidation underway (One of two planned locations)	• No cost to leave in place • $413M cost to move to Hanscom • Outsourced 393 positions and took savings without including contract costs • Took savings for positions previously downsized and unfunded • R&D not required for mission accomplishment (DOD policy is to acquire COTS ERP solutions)	• Operations and Sustainment mission is not RDAT&E • Merges disparate workforces • Two separate DoD letters requested operational activities and network operations center remain at Maxwell • **Does not fit**
Wright-Patterson AFB	• Collocated with major customers (HQ AFMC) • 30+ years of business systems experience • Extensive local contractor experience in legacy and COTS software • Collocated with HQ AFMC Chief Information Office	• No cost to leave in place • > $400M cost to move to Hansom • A&AS and development contractor costs not counted in DOD COBRA analysis • Risk of mission failure greater if moved • R&D not required for mission accomplishment (DOD policy is to acquire COTS ERP solutions)	• Business systems acquisition not compatible with Hanscom C4ISR mission • Merges disparate workforces if moved to Hanscom • **Does not fit**
Lackland AFB	• Collocated with major customers (Intel community--Air Intelligence Agency and NSA) • 50+ years of security production experience • All programs support entire DoD and NSA • TS/SCI Clearances required	• No cost to leave in place • > $40M cost to move to Hanscom • Contractors required to work inside a controlled area: will require additional, secure office space above that estimated by DoD	• R&D done by Industry and NSA • Synergy with other Intelligence operations in the area • NSA formally objected to realignment • **Does not fit**

Tech-6
Commission Approved

OSSG
Where Does It Fit?

- What Is Operations and Sustainment?
- What Are Key Questions for the BRAC Commission?
  - Does It Fit?
  - Does It Increase Military Value?
  - Does It Increase/Enable Joint Operations?
  - Does It Save Money?

If Not – Then What?

AMEND DOD'S RECOMMENDATION

DCN:11659

Does It Fit?

- Creates a "Center of Excellence" for RDAT&E
  - Not Operations and Sustainment
- Merges Disparate Missions and Workforces
  - OSSG Functions as an IT Depot
  - OSSG Follows Current Business Practice of Movement to Low-Cost Ops Centers
- Ignores Existing Capacity
  - Existing Physical Plant / New Construction
  - Workforce Leveraging Between Air Force IT Ops & DOD Ops

DOES NOT FIT!

DGN11659

Does It Increase Military Value?

- **Risks** Corporate Knowledge of Current Workforce
  - Synergy of 30 Years Shared Knowledge and Experience
  - Age of Current IT Systems Demands Functional Expertise and Accumulated Experience
  - R&D Workforce is Different Than Ops & Sustainment Workforce
- **Risks** the Physical Synergy with DISA
  - Jointly Used Systems & Equipment
  - Common Workforce Expertise
  - Personal Relationships

} SEPTEMBER 11th

DECREASES MILITARY VALUE
INCREASES RISK TO WARFIGHTER

Does it Increase / Enable Joint Operations?

- DISA Handles IT Operations for DOD
  - Shared Mission
  - Shared Workforce
  - Shared Systems and Equipment
- Co-Location of OSSG and DISA Is a Force Multiplier During Surge / Mobilization
  - Constant Teaming On Site
  - Redundancy of Systems
  - Greater Whole – All Operational Workforce
- Future DOD Vision
  - Mission Centers
  - Impact Not Analyzed by DOD

DEGRADES JOINT OPERABILITY

DCN: 11659

Does it Save Money?

- Lost Intellectual Capital – CAN'T BE COSTED
  - Ops and Sustainment Capability Comes from Experience / Interaction with Users
  - MIT / Harvard Grads Seek Cutting Edge Jobs and Cost Government More to Hire
- DOD Cost Analysis Was Limited In Scope and Inaccurate
  - Did Not Cost Contractor Workforce
  - Did Not Cost "MEO" Sized Workforce
  - Did Not Cost Dual Ops During Lengthy Transition

NO COST SAVINGS EXIST

DCN# 1659

DCN 11659

COBRA Model Excursions – Maxwell AFB, AL

	Baseline DOD Scenario	Alternative 2 Include Missing Contractor Data to Baseline Case	Alternative 3 Move OSSG using Onboard Personnel	Alternative 4 Onboard Personnel Plus RDT&E Portion of OSSG Moves
Payback Period for Movement	8 Years	51 Years	Never	48 Years
Net Present Value (payback after 20 Yrs)	-$229M	+$119M	+$413M	+$0.98M
Issues	Authorized vs. onboard; No contractors included	Contractors 50% of the workforce	Working capital funding onboard vs. authorized with no funds	Long time for payback
Impact	No real savings	Includes reality of contractors in the analysis	Cost plus mission degradation	Completes C4ISR COE alignment

OSSG
Where Does It Fit?

DCN:11659

- **Answers to Key Questions**
  - It Doesn't Fit
  - It Doesn't Increase Military Value
  - It Doesn't Increase/Enable Joint Operations
  - It Doesn't Save Money

Conclusion

AMEND DOD'S RECOMMENDATION

DCN:11659

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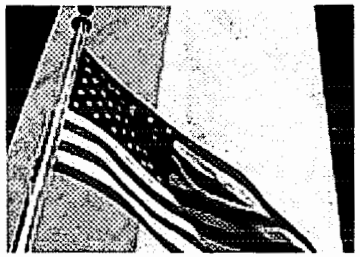
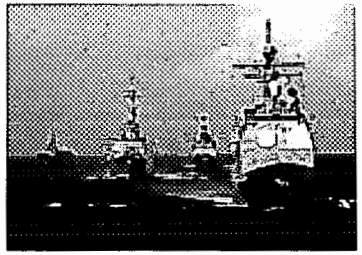
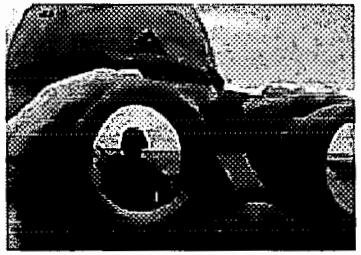


MONTGOMERY CHAMBER OF COMMERCE
COBRA Model Analysis
Regarding
Operations and Sustainment Systems Group
Base Realignment and Closure Commission Recommendation

20 July 2005

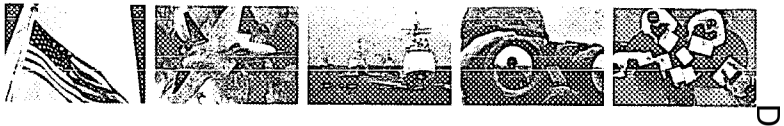
Summary of Previous Analysis

COBRA Model Excursions – Maxwell AFB, AL				
	Baseline DoD Scenario	**Alternative 2 - Include Missing Contractor Data to Baseline Case**	**Alternative 3 - Move OSSG using Onboard Personnel and Contractor Personnel**	**Alternative 4 - Onboard Personnel plus RDT&E Portion of OSSG moves**
Net Present Value	- $229M	+$119M	+$413M	+$.98M
Payback Period	8 years	51 years	Never	48 years
Issues	Authorized versus onboard; No contractors included	Contractors 50% of the workforce	Working capital funding onboard versus authorized with no funds	Long time for payback
Impact	No real savings	Includes reality of contractors in the analysis	Cost plus mission degradation	Completes C4ISR COE alignment

- Major issues from initial review of the DOD COBRA
  - No data in the COBRA Model on contractor support and the associated costs
    - Approximately 940 contractors (approximately 50 percent of the OSSG workforce) working in Montgomery both on-site and off-site directly supporting the OSSG.
    - Preliminary review of contractor support costs by labor man-hour between the two geographic areas (Montgomery, AL, and Boston, MA) indicates at least a 30 to 35 percent increase in the cost for a man-hour of support
  - COBRA Model calls for Military Construction (MILCON) funds in FY06 and FY07
    - Based on statutory requirement to Congress of MILCON requests two years prior to execution and the fact that the FY06 budget is under Congressional review now, it appears the proposed realignment could not take place any earlier than FY09
  - OSSG is working capital funded vice mission funded
    - Authorized Military and Civilian end strength was taken as savings although already removed

New Information Since 23 June 2005

- Substantial savings from reductions of Military & Civilian workforce are probably not going to accrue
  - Reductions taken in DOD COBRA take 393 billets as savings
    - There is information that billets were intended to be outsourced as part of restructuring workforce for a "Most Efficient Organization"
    - Therefore authorizations are not available for savings
  - COBRA run adding this data including workforce additions required at both locations yielded following results
    - Data inputs
      - Used 393 end strength at $100K as savings from Maxwell, took 10% efficiency reduction by moving to Hanscom, and used a 30% cost increase factor for contractors in MA
      - This was a change to Alt 3 (previously submitted) (MEO Adj)
    - **COBRA results are:**
      - **Payback Year: Never**
      - **NPV in 2025 ($K): 470,747**
      - **1-Time Cost ($K): 250,928**
    - General cost of living in Boston is 68% higher than in Montgomery
      - Contractor costs from previous alternative COBRA runs continues to be conservative



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Summary & Conclusions

- As more information as become available the recommendation to move the OSSG from Maxwell to Hanscom continues to escalate in cost
- From an economic perspective the recommendation appears to be flawed because
  - Contractors were not considered
  - Outcome of the MEO was not fully understood

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United States Air Force

Electronic Systems Center, Air Force Materiel Command, Hanscom AFB, Mass. 01731
Office of Public Affairs (781) 377-5078

Organizations being realigned to Hanscom AFB, Mass.

1. The Development and Fielding Systems Group (DFSG), based at Wright-Patterson Air Force Base, Ohio and formerly known as the Materiel Systems Group, provides responsive information systems to support more efficient and effective logistics, contracting and comm-computer capabilities AF-wide. Provides life cycle management for standard information systems. Primarily located in Ohio, there are also operating locations at Maxwell AFB, Ala., and Randolph AFB, Texas. Administers contracts valued at $1.5B

Military Assigned: 55
Civilian Assigned: 228
Group Total: 287

2. The Operations and Sustainment Systems Group (OSSG), based at Maxwell Air Force Base's Gunter Anne, in Alabama and formerly known as Standard Systems Group, provides responsive information systems to support more efficient and effective logistics, contracting and communications and computer capabilities Air Force-wide. Also sustains comm-computer capabilities for Unified Commands services and specified DoD and non-DoD organizations. Primarily located at Maxwell AFB, Ala., with Operating Locations at Wright-Patterson AFB, Ohio; Hill AFB, Utah; and Tinker AFB, Okla. Administers contracts valued at $1.5B

Military Assigned: 488
Civilian Assigned: 596
Group Total: 1084

3.**The Engineering and Integration Systems Squadron (EISS)**, also located at Maxwell Air Force Base's Gunter Annex, in concert with OSD and other joint partners, provides global engineering, architecture and technical support for over 146 Air Force, DoD and other agency systems. Designs and develops systems ensuring standards of integration and architecture are utilized on secure information and force protection systems across multiple domains deployed worldwide. Primarily located at Maxwell with support located at Wright Patterson AFB, Ohio and Hanscom AFB, Mass.

Military Assigned: 36
Civilian Assigned: 175
Squadron Total: 211

4. The Cryptologic Systems Group, located at Lackland AFB, Texas, provides a wide range of acquisition and sustainment services for information assurance, intelligence and force protection missions.

(Only a portion of this group will come to Hanscom. 49 positions are scheduled to transfer.)

5. AFRL Information Systems Directorate, Wright-Patterson AFB, Ohio,

The Information Directorate's state-of-the-art Command and Control Technologies Center integrates the research of several laboratory facilities into a high technology test and demonstration environment unequaled at any other Air Force facility. Using the latest electronic and computer technology, scientists and engineers are demonstrating new ways to provide commanders with the most accurate and timely information.

(Only a portion of this group will come to Hanscom. 69 positions are scheduled to transfer.)

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Fact Sheet

United States Air Force

Electronic Systems Center, Air Force Materiel Command, Hanscom AFB, Mass. 01731
Office of Public Affairs (781) 377-4110

Operations Support Systems Wing

The Operations Support Systems Wing, a unit of the Air Force Electronic Systems Center at Hanscom AFB, Mass., develops, fields sustains and operates worldwide communications-computer and force protection systems and capabilities for the President and Secretary of Defense, CJCS, unified combatant commanders, services and specified DoD and non-DoD agencies to direct military forces. Administers contracts for the procurement of information technology systems and services supporting DoD wide customers. The Operations support systems wing consists of two groups and two direct report squadrons.

1. Development and Fielding Systems Group
2. Operations and Sustainment Systems Group
3. Engineering and Integration Systems Squadron
4. Force Protections Systems Squadron

Military Assigned: 625
Civilian Assigned: 1,024
Contractor Assigned: 1,589
OSS Wing Total: 3,238

1. The Development and Fielding Systems Group (DFSG), based at Wright-Patterson Air Force Base, Ohio and formerly known as the Materiel Systems Group, provides responsive information systems to support more efficient and effective logistics, contracting and comm-computer capabilities AF-wide. Provides life cycle management for standard information systems. Primarily located in Ohio, there are also operating locations at Maxwell AFB, AL and Randolph AFB, TX. Administers contracts valued at $1.5B

Military Assigned: 55
Civilian Assigned: 228
Contractor Assigned: 472
Group Total: 755

2. The Operations and Sustainment Systems Group (OSSG), based at Maxwell Air Force Base Gunter Annex, Alabama and formerly known as Standard Systems Group, provides responsive information systems to support more efficient and effective logistics, contracting and comm-computer capabilities AF wide. Sustains comm-computer capabilities for Unified Commands services and specified DoD and non-DoD organizations. Primarily located at Maxwell AFB, AL with Operating Locations at Wright-Patterson AFB, OH; Hill AFB, UT; and Tinker AFB, OK. Administers contracts valued at $1.5B

Military Assigned: 488

Civilian Assigned: 596
Contractors: 822
Group Total: 1906

3. **The Engineering and Integration Systems Squadron (EISS)**, also located at Maxwell Air Force Base Gunter Annex, in concert with OSD and other joint partners, provides global engineering, architecture and technical support for over 146 AF DoD and other agency systems. Designs and develops systems ensuring standards of integration and architecture are utilized on secure information and force protection systems across multiple domains deployed worldwide. Primarily located at Maxwell AFB, AL with support located at Wright Patterson AFB, OH and Hanscom AFB, MA. Contracts administered through DFSG and OSSG.

   Military Assigned: 36
   Civilian Assigned: 175
   Contractors: 235
   Squadron Total: 446

4. **The Force Protection Systems Squadron (FPSS)**, located at Hanscom AFB, Mass., develops and fields force protection command and control systems for military installations world-wide, delivering integrated Force Protection solutions that enable users to "See First, Understand First and Act First."

   Military Assigned: 46
   Civilian Assigned: 25
   Contractors: 60
   Squadron Total: 131

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Talking Paper
On
Modifying the BRAC Recommendation
And
Retaining the Operational Activities of the Operations and Sustainment Systems Group (OSSG)
At
Maxwell-Gunter AFB

- Purpose of the BRAC recommendation is to create a "Center of Excellence" for Research, Development and Acquisition of Information Technology Systems.
  -- However, OSSG is not a Research and Development Organization. It does Operations and Sustainment of Information Technology Support Systems for the Air Force.
  -- OSSG has a real world mission of operating the Air Force Network Operations Center, which provides operations support to the warfighter. This is a 24-hour per day, 7 days a week mission that includes a call center and the monitoring the worldwide network which supports the warfighter.

- To move OSSG to Hanscom AFB merges disparate missions and workforces and puts at risk the corporate knowledge of the current workforce.
  -- Since many of the workers will not move. The synergy of 30 years of shared knowledge and experience of the OSSG workforce would be lost.
  -- The age of current IT systems demands functional expertise and accumulated experience to keep them operating since many of the software programs are written in computer languages that are no longer used or taught.
  -- The workforce for Operations & Sustainment is different than the R&D workforce and the mission would have to be recreated at Hanscom AFB with little or no reduction in the workforce.

- Risks loosing the physical synergy with the Defense Information Systems Agency (DISA)
  -- DISA does similar operations for the Department of Defense and maintains the network backbone on which the Air Force systems run.
  -- These two organizations jointly operate systems & equipment that is critical to the mission.
  -- They have shared their workforces and experience over the years. People move from one organization to the other and they have personal working relationships and knowledge of each other's systems that has developed over the years. The four top leaders of DISA came from the OSSG.
  -- During the crisis of September 11, 2001, OSSG and DISA worked jointly to restore network operations to the Pentagon after it was attacked. This could not have been done virtually. This is common of crisis situations.

- This move costs the government money rather than saves money
  -- The lost intellectual capital – CAN'T BE COSTED. Opertions and Sustainment capability comes from experience and interaction with users.
  -- MIT / Harvard grads will seek cutting edge jobs for Research and Development, but it will cost the government more to hire a workforce at Hanscom AFB to do Operations and Sustainment work.
  -- DOD Cost Analysis Was Limited In Scope and Inaccurate
    --- Did Not Cost Contractor Workforce. There are 713 contractors that work on the installation and 133 contractors off base doing the same work as the DoD workforce that were not costed.
    --- Did Not Cost "MEO" Sized Workforce. The organization was recently downsized to a most efficient organization (MEO) and the BRAC recommendation took savings for positions that are not currently filled or funded.
    --- Did Not Cost Dual Ops During Lengthy Transition. The network operation center operates 24/7 and would need to be up and operating before the Maxwell-Gunter operation could be shut down.
    --- They also took a saving from the current onboard number of 1224 at OSSG to the stated 839 at Hanscom as saving. However, they intended to outsource the 393 positions in the Central Design Activity and did not account for the cost to contract that activity.
    --- There are no personnel reductions, they are merely recreating the OSSG activity in it's entirety at Hanscom AFB
  --- **If costed correctly, this move would never produce a cost saving and would in fact cost more than $400 million over 20 years to implement.**

- A Research and Development "Center of Excellence" can still be created at Hanscom AFB without the operational activities of the OSSG and still sustain (and in fact enhance) the quality of the mission.
  -- It will have no domino effect on any other of the BRAC recommendation.
  -- It will cost $400 million less and retains the synergies with the existing DISA facility at Maxwell-Gunter.
  -- It will retain the ability to execute the Air Force future plans to consolidate network activities using the Gunter network operations center as one of those intended locations.
  -- It will allow DISA to execute future plans to create Information Technology Mission Centers, which is even more important with the consolidation of Air Force facilities.
  -- This modification to the BRAC recommendation will still allow the transfer of 353 positions to Hanscom from Gunter that are not operationally oriented and perform the Research and Development mission, while retaining 1035 DoD personnel and 682 Contractors at Maxwell-Gunter that do operational and operational support activities that are still under the administrative control of the headquarters at Hanscom AFB.

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Talking Points for BRAC

1. This is a clean change for the BRAC Commission to make because:
    a. It does not unravel any other of OSD's recommendation to create a center of excellence for research, development and acquisition
    b. It does not jeopardize the movement of other missions to Hanscom AFB associated with the Research and Development mission
    c. It is backed up by actual data that shows this was a poor decision (i.e., cost vs. savings and decreases in military value)
    d. The OSD Technical Joint Cross Service Group has already stated that they did not intend to transfer the operational activities of the OSSG in a June 30, 2005 letter to Chairman Principi
2. The OSD Technical Joint Cross Service Group did a poor job of analyzing the costs of the move:
    a. Did not include the costs of moving the contractors
    b. Grossly underestimated physical plant costs
    c. Took savings for slots that are unfilled and unfunded
    d. Took savings for 393 positions they planned to outsource and did not include the contract cost to outsource those positions
3. Value to the Air Force: It puts at least 60 to 80 percent of the knowledge that sustains these important systems at risk while we are at war:
    a. Documented studies show only 20% to 40% of workforce will move
    b. Operations and sustainment is all about acquired experience over time—It can't be bought somewhere else
    c. Did not account for synergy with the Defense Information Systems agency on Maxwell-Gunter—An OSD Agency that shares resources with OSSG
4. Questions to ask the Air Force Senior Leadership:
    a. In the Technical Joint Cross Service Group letter to Chairman Principi, dated June 30, 2005, you attempted to state what elements would transfer from OSSG to Hanscom AFB, please clarify what is meant by operational activities that should remain at OSSG and what elements should be transferred to Hanscom AFB. In that same letter, it stated that the Air Force Materiel Command would provide the exact authorizations that will remain at Maxwell-Gunter and what will transfer to Hanscom AFB from OSSG. We have not received that information. Please provide this data.
    b. Is the movement of OSSG in line with the Air Force's future plans to consolidate network operations and how does that relate to the network operations center currently at Maxwell-Gunter? Also, is it in line with DISA's plans to create Mission Centers that will interact with service network operations centers?

DCN:11659

Farrington, Lester, CIV, WSO-BRAC

From: Joe Greene [Jgreene@montgomerychamber.com]
Sent: Thursday, August 04, 2005 4:46 PM
To: 'Lester. Farrington (E-mail)
Subject: Corona Top Briefing to Show Network Consolidation at Maxwell-Gunter AFB
Attachments: CORONA Top 05 INOSC.pdf

Les--Here is the briefing that I promised you that shows the Air Force plans to consolidate all network operations at two locations. If you look at slide 5, it shows that Maxwell-Gunter is one of those two proposed locations. To move the operational pieces away from Maxwell-Gunter would derail the future plans for the Air Force and DISA. If you need this to come attached to a formal letter to Chairman Principi from our Congressional Delegation to certify this, I can do that. Senator Sessions also discussed this with Air Force senior leadership to confirm their plans and could attest to that in the letter.

Hope all is going well. Will call you to see that you got this alright.

Take care, Joe Greene
Montgomery Area Chamber of Commerce
<<CORONA Top 05 INOSC.pdf>>

Pre-decisional

Headquarters U.S. Air Force

Integrity - Service - Excellence

Integrated Network Operations and Security Center (I-NOSC) Update

Pre-decisional

Lt General Bruce Carlson
AFNETOPS/CC

DCN:11659

DCN 11659

Purpose

- CORONA South tasker:
  - Develop a plan for an appropriate number of AF I-NOSCs to standardize AFNETOPS
- Proposed Solution
  - Approve AFNETOPS/CC as AF Network DAA
  - Approve I-NOSC transformation roadmap
- Direct AFNETOPS/CC to stand up a DRU reporting to CSAF
  - Assign AF Network Operations and Security Center (AFNOSC) to WFHQ

Proprietary

AFNETOPS Future

DCN:11659

Mission

Command and Control, operation, and defense of AF Nets

Additional steps necessary to operationalize Air Force Net Control System

- AFNETOPS as WFHQ or DRU
- Stand-up I-NOSCs
  - Move NOD/NSD capabilities to CONUS I-NOSCs (COOP)
- Standardize Tools
- Review lead command responsibilities
- Review PE structure

Air Force Net Control System

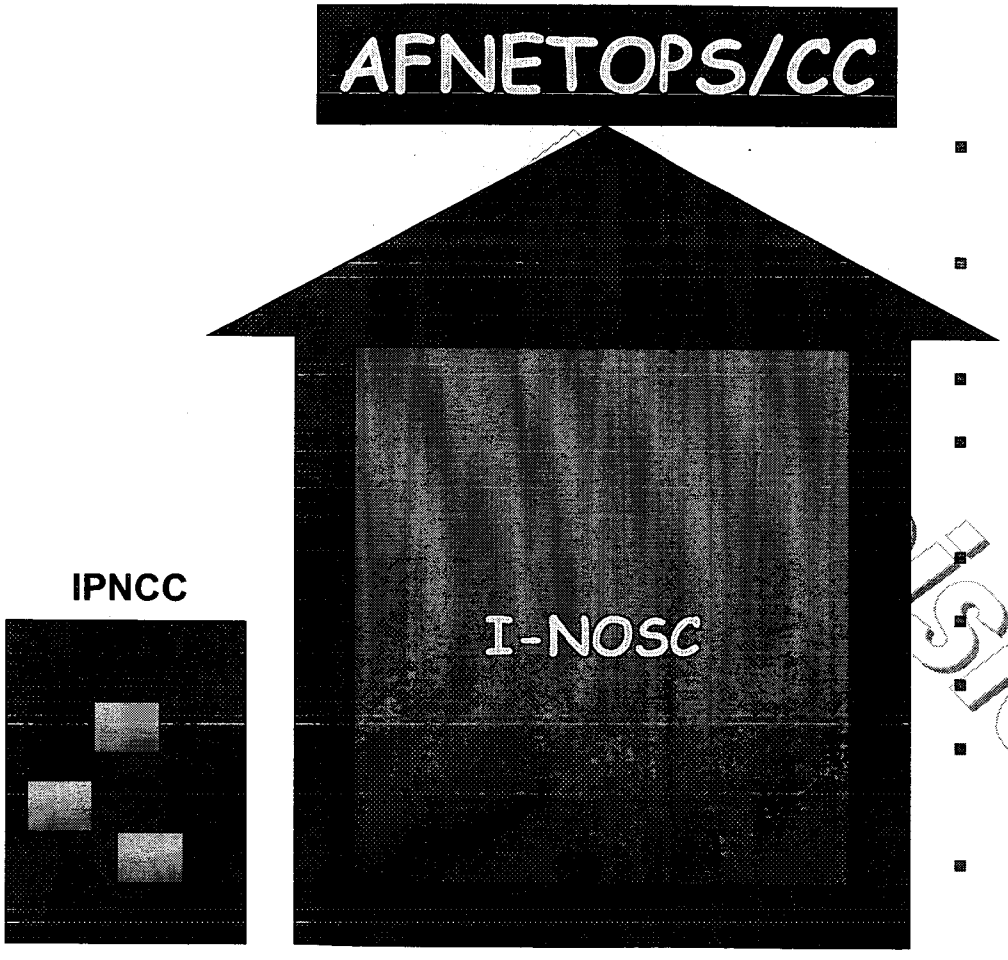
- Jan 05 — BLACK DEMON CAOC
- Mar 05 — BLACK DEMON 05
- Jun 05 — Identify Net Warfare Operators
- Mar 06 — PURPLE DEMON
- Oct 06 — NWO Basic/Intermediate Schools

2005 2006 2007

Preliminary Deliberational

Integrity - Service - Excellence

I-NOSC Desired End State (FY09+)

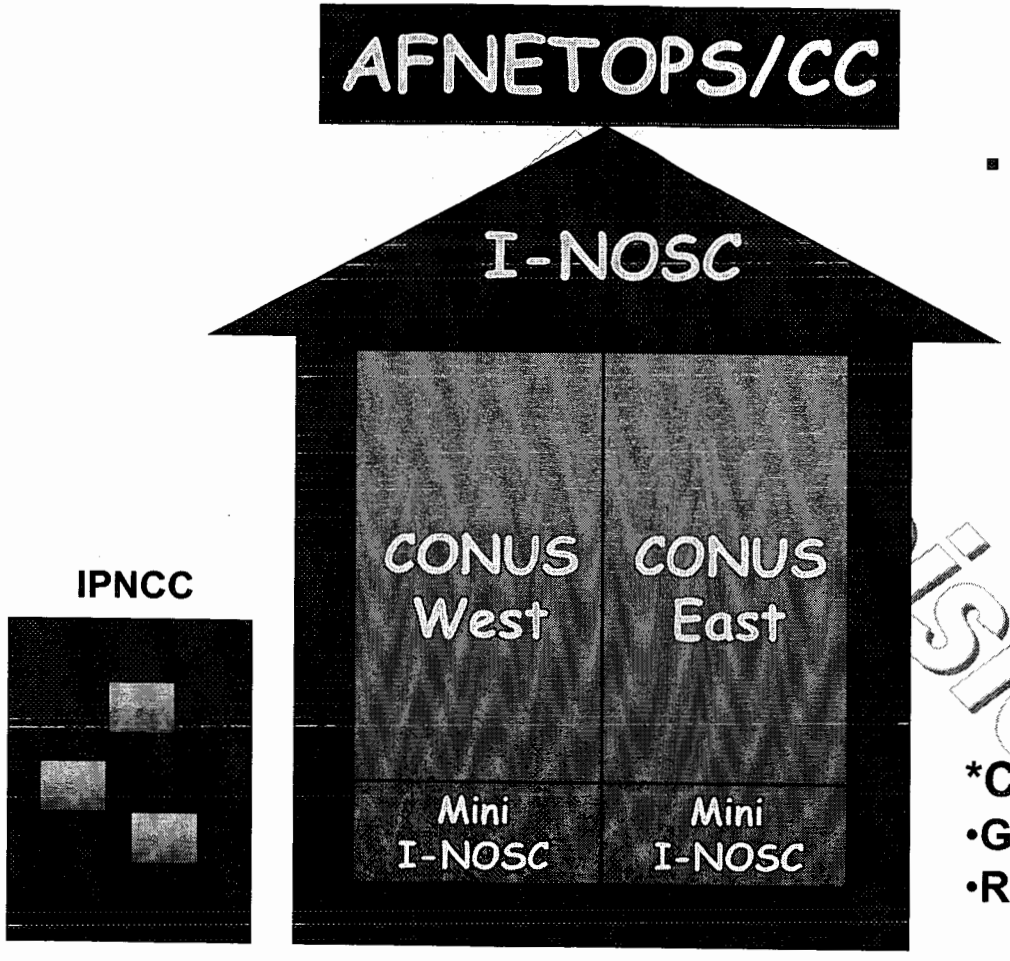


- Unity of command (centralized control / de-centralized execution)
- MAJCOMS retain control of unique / functional systems
- AF Net managed as an enterprise
- Fewer sites to operate, maintain, and modernize
- Less duplication of effort
- Improved C2 & security
- Postured for ConstellationNet
- Consistent presentation of AFNETOPS forces to JTF-GNO
- Single I-NOSC is a high-payoff target for adversary – need at least two locations

Disclosure

DCN:11659

I-NOSC Interim State (FY08)



- Short-term limitations require an additional 2 locations
  - 2 I-NOSCs*
    - CONUS-East
    - CONUS-West
  - 2 Mini-I-NOSCs
    - Interim locations TBD
    - Geographically focused

*Currently proposed locations are:
•Gunter Annex
•Randolph or Lackland AFB

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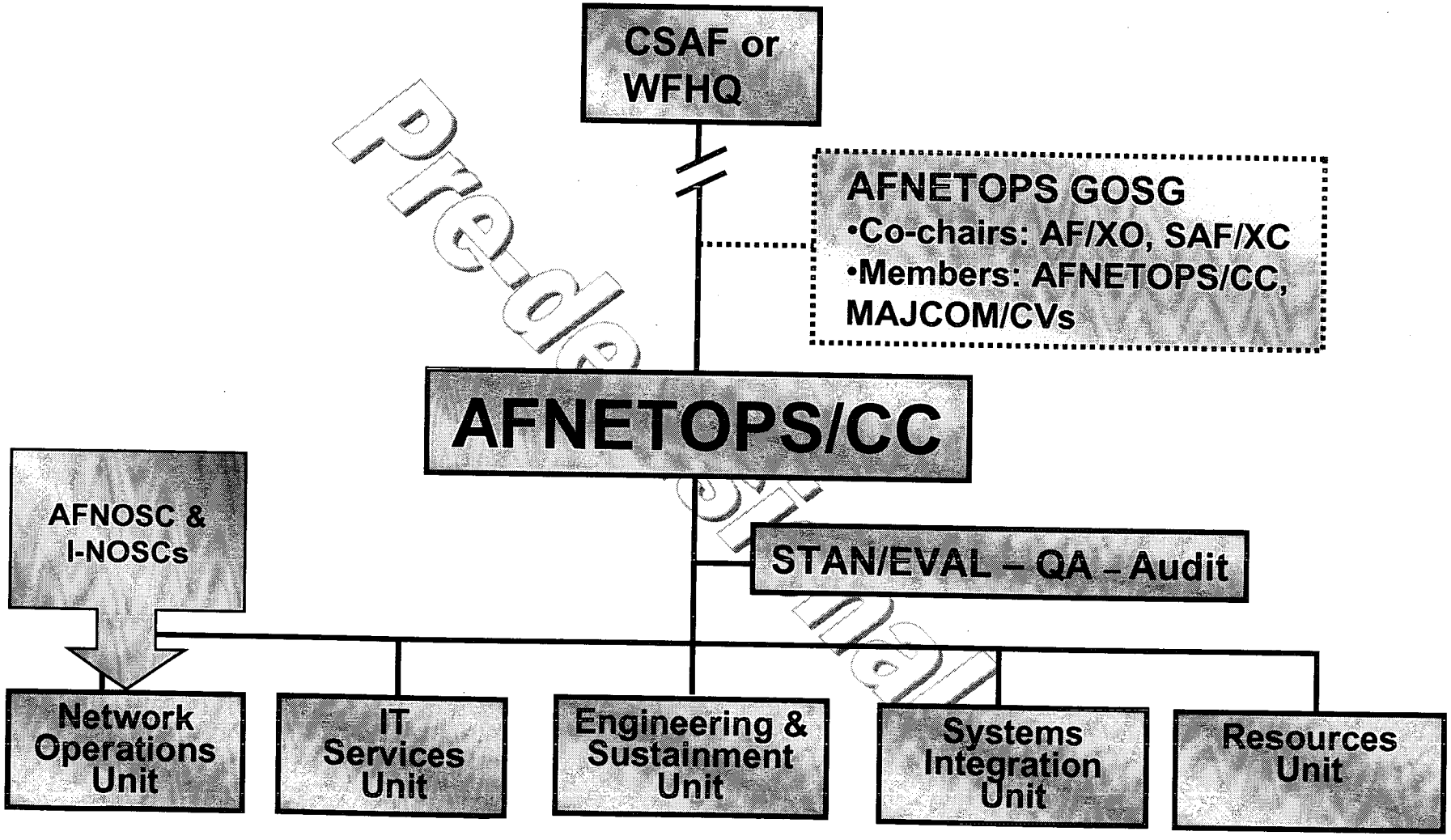
I-NOSC Operational Considerations

- ✓ AFNOSC Security Division & Ops Division are essential I-NOSC capabilities
- ✓ Near-term overseas requirements: Customer proximity, industry models, contingencies, excellent "I-NOSC launching points"
- ✓ Leverage existing capabilities (bandwidth and infrastructure)
- ✓ Establish COOP capability
- ✓ Minimize migration risks
- ✓ Mitigate vulnerability (environmental risks)
- ✓ Leverage economy (skilled/affordable/stable workforce)

Predecisional

DCN:11659

Notional AFNETOPS Organization



Pre-decisional

Integrity - Service - Excellence

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DCN 11659

I-NOSC Transformation Roadmap

Today	MC -- 06	FMC -- 07	08 and Beyond
17+ NOSCs & Network Centers	10 MAJCOM NOSCs	AFNOSC, I-NOSCs, IPNCCs	2+2 I-NOSCs, X IPNCCs

Unity of Command
- Approve I-NOSC Concept
- ***AFNETOPS DRU/WFHQ***
- POM for money/manpower
- Review PE structure

Unity of Effort
- ***AFNETOPS/CC as DAA***
- Standardize Procedures
- Standup "missionized" centers
- Standardize NOSC tools
- Develop 13-series AFI's
- Implement S/E & QA

Consolidation
- I-NOSC Migration Complete
- ***Integrate Ground, Air, and Space Nets***
- Consolidate IT Services

I-NOSC Transformation Roadmap

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17 NOSCs & Network Centers — **Today**

10 MAJCOM NOSCs — **MC -- 06**

AFNOSC, I-NOSCs, IPNCCs — **FMC -- 07**

2+2 I-NOSCs, X IPNCCs — **08 and Beyond**

Unity of Command
- Approve I-NOSC Concept
- ***AFNETOPS DRU/WFHQ***
- POM for money/manpower
- Review PE structure

Unity of Effort
- ***AFNETOPS/CC as Network DAA***
- Standardize Procedures
- Transition to IPNCCs
- Standardize NOSC tools
- Develop 13-series AFI's
- Implement S/E & QA

Consolidation
- I-NOSC Migration Complete
- ***Integrate Ground, Air, and Space Nets***
- Consolidate IT Services

Integrity - Service - Excellence

Network Designated Approval Authority (DAA)

DCN:11659

- Per CJCSI 6510.01D, "…a DAA will be designated as responsible for overall network security and will determine security and protection requirements for system connections to the network." Enclosure D, Section 12, Paragraph b., Subparagraph (3)
- AF Enterprise Network is a trusted Community of Interest/Enclaves requiring a strategic approving authority
- AF Network DAA ensures systems have met minimum security requirements before allowing connection to the network

Provisional

Way Ahead

- Approve AFNETOPS/CC as AF Network DAA
- Approve I-NOSC transformation roadmap
  - Report on reduction from 17 to 10 NOSCs at CORONA Fall
  - Brief plan for continued consolidation and further AFNETOPS transformation at CORONA Fall
- Direct AFNETOPS/CC to stand up a DRU reporting to CSAF
  - Assign AF Network Operations and Security Center (AFNOSC) to WFHQ

Pre-decisional

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Executive Correspondence

DCN:11659

OFFICE OF THE DIRECTOR OF
DEFENSE RESEARCH AND ENGINEERING
3040 DEFENSE PENTAGON
WASHINGTON, DC 20301-3040

JUN 3 0 2005 RECEIVED

The Honorable Anthony Principi
Chairman
Defense Base Closure and Realignment Commission
2521 South Clark Street, Suite 600
Arlington, VA 22202

07052005

Dear Chairman Principi:

During a Base Realignment and Closure Commission visit to Wright-Patterson Air Force Base, your staff asked several questions that the hosts were unable to answer. Technical Joint Cross Service Group responses to these questions are attached.

If you need further assistance please do not hesitate to contact us.

Sincerely,

Alan R. Shaffer
Executive Director
Technical Joint Cross-Service Group

Attachment:
As stated.

DCN:11659

Wright-Patterson Air Force Base Visit
Defense Base Closure and Realignment Commission 4 Questions and
Technical Joint Cross-Service Group Response
(Prepared June 27, 2005)

Question 1

How many people support the sensors directorate effort at: Wright-Patterson Air Force Base (WP AFB)? Rome Laboratory? Hanscom Air Force Base?

Answer

Air Force Materiel Command host personnel provided the following updated information to the previously provided certified data: Off/Enl/Civ/Tot authorizations: Wright-Patterson Air Force Base-94/1/431/526; Rome-11/0/69/80; Hanscom-33/0/79/112; Total-138/1/579/718. This information is more current than the TJCSG 30 Sep 03 certified data. The Air Force Materiel Command response should be supported and used during implementation planning.

Question 2

Clarify what elements move from WP AFB (DFSG, OSSG, EIS), Gunter Annex with Maxwell AFB (OSSG), and Lackland AFB (CPSG) to Hanscom AFB. Additionally, please provide the precise unit names and numbers of authorizations for this effort.

Answer

The element to move from WP AFB is the DFSG (Development & Fielding Systems Group); the element to move from Gunter Annex is the OSSG (Operations and Sustainment Systems Group) not including any operational activities; and the element to move from Lackland AFB is the RDAT&E (Research, Development & Acquisition, and Test & Evaluation) portion of the CPSG (Crytologic Systems Group). The current number of authorizations involved is not available. The TJCSG is waiting for this data from the Air Force Material Command.

Question 3

Clarify ambiguity with the V-22 and Personnel Recovery Vehicle (PRV) move from WP AFB to Patuxent River.

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Answer

This recommendation will relocate Wright-Patterson Air Force Base Aeronautical Systems Center activities related to Rotary Wing Air Platform Development & Acquisition, including V-22 and Personnel Recovery Vehicle, to Naval Air Warfare Center Aircraft Division Patuxent River.

Question 4

Provide precise terms and recommendations for 46th Test Wing move to China Lake. What will move? Will the 20 over hires and 101 contractors be identified for the move?

Answer

The TJCSG recommended the movement of work and functions or work load to Naval Air Weapons Division China Lake, but did not make specific recommendations concerning over-hires or contractors. The TJCSG expects that recommendation specificity, in general, will increase during implementation planning. The live fire survivability functions to be received by Naval Air Weapons Division China Lake will be accommodated by the construction of additional facilities. Adequate space is available at Naval Air Weapons Division China Lake to support the required building construction, and test site improvements will be done in an area already dedicated to functions that are similar to the work being moved in from Wright-Patterson Air Force Base.

LIVE FIRE

DCN:11659 Baseline COBRA TECH-6 Adder

ADDER COMBINED SUMMARY REPORT (ADDER v6.10) - Page 1/2 (Figures agree with DON report rec)

Report Created 5/5/2005 8:33:43 AM

ADDER Data File: Z:\COBRA Database\TECH-0042\TECH-0042 Part 8\6.10\5 May update\Part 7 and 8 ADDER\C4ISR Air and Space ADDER.ADR

Starting Year : 2006
Final Year : 2008
Payback Year : 2016 (8 Years)

NPV in 2025($K): -238,009
1-Time Cost($K): 254,364

-ongoing to pt 7 > add
1 less yr to pay iD

Net Costs in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	19,729	111,596	0	0	0	0	131,325	0
Person	1,356	-8,657	-15,426	-38,799	-38,799	-38,799	-139,122	-38,799
Overhd	1,841	3,694	1,193	-221	-221	-221	6,063	-221
Moving	28,113	0	34,768	0	0	0	62,881	0
Missio	0	0	0	0	0	0	0	0
Other	1,210	193	28,659	2,857	18,329	2,857	54,105	2,857
TOTAL	52,250	106,826	49,195	-36,163	-20,691	-36,163	115,253	-36,163

	2006	2007	2008	2009	2010	2011	Total
POSITIONS ELIMINATED							
Off	27	0	52	0	0	0	79
Enl	3	0	203	0	0	0	206
Civ	199	0	179	0	0	0	378
TOT	229	0	434	0	0	0	663
POSITIONS REALIGNED							
Off	20	0	137	0	0	0	157
Enl	3	0	381	0	0	0	384
Stu	0	0	0	0	0	0	0
Civ	42	0	763	0	0	0	805
TOT	65	0	1,281	0	0	0	1,346

3390 personnel savings

79
206 > Military

1946
663
2609

79
206
285

378
805
1183 > 732

189

ADDER COMBINED SUMMARY REPORT (ADDER v6.10) - Page 2/2
Report Created 5/5/2005 8:33:43 AM

ADDER Data File: Z:\COBRA Database\TECH-0042\TECH-0042 Part 8\6.10\5 May update\Part 7 and 8 ADDER\C4ISR Air and Space ADDER.ADR

Costs in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	19,729	111,596	0	0	0	0	131,325	0
Person	10,290	8,764	24,383	18,574	18,574	18,574	99,159	18,574
Overhd	3,668	5,521	14,898	13,483	13,483	13,483	64,538	13,483
Moving	28,201	0	35,951	0	0	0	64,152	0
Missio	0	0	0	0	0	0	0	0
Other	1,210	193	28,659	2,857	18,329	2,857	54,105	2,857
TOTAL	63,099	126,075	103,891	34,914	50,386	34,914	413,280	34,914

Savings in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	8,934	17,421	39,808	57,373	57,373	57,373	238,281	57,373
Overhd	1,827	1,827	13,705	13,705	13,705	13,705	58,474	13,705
Moving	88	0	1,183	0	0	0	1,271	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	10,849	19,248	54,696	71,078	71,078	71,078	298,027	71,078

57,373
18,574
38,799

ADDER COMBINED ONE-TIME COST REPORT (ADDER v6.10)
Report Created 5/5/2005 8:33:43 AM

(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	131,325,000	
Total - Construction		131,325,000
Personnel		
Civilian RIF	7,976,183	
Civilian Early Retirement	1,156,176	
Eliminated Military PCS	1,651,424	
Unemployment	614,238	
Total - Personnel		11,398,021
Overhead		
Program Planning Support	4,795,575	
Support Contract Termination	0	
Mothball / Shutdown	301,922	
Total - Overhead		5,097,497
Moving		
Civilian Moving	32,210,553	
Civilian PPP	2,768,688	
Military Moving	2,860,312	
Freight	792,809	
Information Technologies	9,211,000	
One-Time Moving Costs	16,309,000	
Total - Moving		64,152,361
Other		
HAP / RSE	3,573,280	
Environmental Mitigation Costs	536,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	38,282,000	
Total - Other		42,391,280
Total One-Time Costs		254,364,159
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	1,271,317	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		1,271,317
Total Net One-Time Costs		253,092,842

MILCON ~~MILITARYCON~~

From losing organization

For infrastructure upgrade mil prioritized housing parking systems furniture

ADDER ECONOMIC IMPACT REPORT (ADDER v6.10)
Report Created 5/5/2005 8:33:43 AM

Installation: FSPM Edwards AFB

State: CA Service: Air Force Year: 2006

Current Base Pers- Off: 573, Enl: 2,413, Civ: 2,879, Stu: 0

Action: Realignment

	2006	2007	2008	2009	2010	2011	2012	2013
Mil Reloc(OUT)	0	0	0	0	0	0	0	0
Mil Dis (OUT)	0	0	0	0	0	0	0	0
Civ Reloc(OUT)	0	0	0	0	0	0	0	0
Civ Dis (OUT)	0	0	0	0	0	0	0	0
Stu Reloc(OUT)	0	0	0	0	0	0	0	0
Mil Reloc (IN)	23	0	0	0	0	0	0	0
Civ Reloc (IN)	42	0	0	0	0	0	0	0
Stu Reloc (IN)	0	0	0	0	0	0	0	0

ADDER ECONOMIC IMPACT REPORT (ADDER v6.10) - Page 2
Report Created 5/5/2005 8:33:43 AM

Installation: FTFA Eglin AFB

State: FL Service: Air Force Year: 2006

Current Base Pers- Off: 1,369, Enl: 6,513, Civ: 3,718, Stu: 132

Action: Realignment

	2006	2007	2008	2009	2010	2011	2012	2013
Mil Reloc(OUT)	23	0	0	0	0	0	0	0
Mil Dis (OUT)	5	0	0	0	0	0	0	0
Civ Reloc(OUT)	42	0	0	0	0	0	0	0
Civ Dis (OUT)	8	0	0	0	0	0	0	0
Stu Reloc(OUT)	0	0	0	0	0	0	0	0
Mil Reloc (IN)	0	0	0	0	0	0	0	0
Civ Reloc (IN)	0	0	0	0	0	0	0	0
Stu Reloc (IN)	0	0	0	0	0	0	0	0

ADDER ECONOMIC IMPACT REPORT (ADDER v6.10) - Page 3
Report Created 5/5/2005 8:33:43 AM

Installation: MPLS Lackland AFB

State: TX Service: Air Force Year: 2006

Current Base Pers- Off: 2,207, Enl: 7,232, Civ: 5,254, Stu: 6,026

Action: Realignment

	2006	2007	2008	2009	2010	2011	2012	2013
Mil Reloc(OUT)	0	0	10	0	0	0	0	0
Mil Dis (OUT)	2	0	0	0	0	0	0	0
Civ Reloc(OUT)	0	0	34	0	0	0	0	0
Civ Dis (OUT)	8	0	0	0	0	0	0	0
Stu Reloc(OUT)	0	0	0	0	0	0	0	0
Mil Reloc (IN)	0	0	0	0	0	0	0	0
Civ Reloc (IN)	0	0	0	0	0	0	0	0
Stu Reloc (IN)	0	0	0	0	0	0	0	0

ADDER ECONOMIC IMPACT REPORT (ADDER v6.10) - Page 4
Report Created 5/5/2005 8:33:43 AM

Installation: MXRD Hanscom AFB

State: MA Service: Air Force Year: 2006

Current Base Pers- Off: 767, Enl: 513, Civ: 1,509, Stu: 0

Action: Realignment

	2006	2007	2008	2009	2010	2011	2012	2013
Mil Reloc(OUT)	0	0	0	0	0	0	0	0
Mil Dis (OUT)	0	0	0	0	0	0	0	0
Civ Reloc(OUT)	0	0	0	0	0	0	0	0
Civ Dis (OUT)	0	0	0	0	0	0	0	0
Stu Reloc(OUT)	0	0	0	0	0	0	0	0
Mil Reloc (IN)	0	0	518	0	0	0	0	0
Civ Reloc (IN)	0	0	763	0	0	0	0	0
Stu Reloc (IN)	0	0	0	0	0	0	0	0

ADDER ECONOMIC IMPACT REPORT (ADDER v6.10) - Page 5
Report Created 5/5/2005 8:33:43 AM

Installation: PNQS Maxwell AFB

State: AL Service: Air Force Year: 2006

Current Base Pers- Off: 1,186, Enl: 2,056, Civ: 2,226, Stu: 1,037

Action: Realignment

	2006	2007	2008	2009	2010	2011	2012	2013
Mil Reloc(OUT)	0	0	469	0	0	0	0	0
Mil Dis (OUT)	0	0	255	0	0	0	0	0
Civ Reloc(OUT)	0	0	370	0	0	0	0	0
Civ Dis (OUT)	0	0	179	0	0	0	0	0
Stu Reloc(OUT)	0	0	0	0	0	0	0	0
Mil Reloc (IN)	0	0	0	0	0	0	0	0
Civ Reloc (IN)	0	0	0	0	0	0	0	0
Stu Reloc (IN)	0	0	0	0	0	0	0	0

ADDER ECONOMIC IMPACT REPORT (ADDER v6.10) - Page 6
Report Created 5/5/2005 8:33:43 AM

Installation: ZHTV Wright-Patterson AFB

State: OH Service: Air Force Year: 2006

Current Base Pers- Off: 2,388, Enl: 2,528, Civ: 10,941, Stu: 28

Action: Realignment

	2006	2007	2008	2009	2010	2011	2012	2013
Mil Reloc(OUT)	0	0	39	0	0	0	0	0
Mil Dis (OUT)	23	0	0	0	0	0	0	0
Civ Reloc(OUT)	0	0	359	0	0	0	0	0
Civ Dis (OUT)	183	0	0	0	0	0	0	0
Stu Reloc(OUT)	0	0	0	0	0	0	0	0
Mil Reloc (IN)	0	0	0	0	0	0	0	0
Civ Reloc (IN)	0	0	0	0	0	0	0	0
Stu Reloc (IN)	0	0	0	0	0	0	0	0

ADDER INPUT DATA REPORT (ADDER v6.10)
Report Created 5/5/2005 8:33:43 AM

ADDER Data File: Z:\COBRA Database\TECH-0042\TECH-0042 Part 8\6.10\5 May update\Part 7 and 8 ADDER\C4ISR Air and Space ADDER.ADR

COBRA Scenario Files used:
E:\Database\COBRA Database\TECH-0042\TECH-0042 Part 7\6.10\J1 - C4ISR RDAT&E Consolidation Tech042pt7_scrubbed_updated1APR2005(6.10).CBR
Z:\COBRA Database\TECH-0042\TECH-0042 Part 8\6.10\5 May update\J2 - C4ISR RDAT&E Consolidation_no_Holloman_Environmental_scrubbed_(6.10)_5May05.CBR

ADDER DETAIL REPORT (ADDER v6.10) - Page 1/3
Report Created 5/5/2005 8:33:43 AM

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	19,729	111,596	0	0	0	0	131,325
O&M							
CIV SALARY							
Civ RIF	4,692	0	3,284	0	0	0	7,976
Civ Retire	241	0	915	0	0	0	1,156
CIV MOVING							
Per Diem	192	0	5,108	0	0	0	5,299
POV Miles	14	0	138	0	0	0	152
Home Purch	354	0	12,540	0	0	0	12,894
HHG	219	0	3,299	0	0	0	3,517
Misc	34	0	635	0	0	0	669
House Hunt	150	0	3,252	0	0	0	3,401
PPP	1,455	0	1,313	0	0	0	2,769
RITA	208	0	6,068	0	0	0	6,277
FREIGHT							
Packing	3	0	72	0	0	0	75
Freight	113	0	604	0	0	0	717
Vehicles	0	0	0	0	0	0	0
Unemployment	360	0	254	0	0	0	614
OTHER							
Info Tech	8,980	0	231	0	0	0	9,211
Prog Manage	2,118	1,530	1,147	0	0	0	4,795
Supt Contrac	0	0	0	0	0	0	0
Mothball	35	0	267	0	0	0	302
1-Time Move	16,309	0	0	0	0	0	16,309
MIL PERSONNEL							
MIL MOVING							
Per Diem	21	0	438	0	0	0	460
POV Miles	9	0	126	0	0	0	136
HHG	115	0	1,608	0	0	0	1,723
Misc	23	0	518	0	0	0	541
OTHER							
Elim PCS	295	0	1,356	0	0	0	1,651
OTHER							
HAP / RSE	581	0	2,992	0	0	0	3,573
Environmental	486	50	0	0	0	0	536
Msn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	22,810	0	15,472	0	38,282
TOTAL ONE-TIME	56,739	113,176	68,977	0	15,472	0	249,870

ADDER DETAIL REPORT (ADDER v6.10) - Page 2/3
Report Created 5/5/2005 8:33:43 AM

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	117	1,587	1,587	1,587	1,587	1,587	8,054	1,587
Recap	80	1,085	1,085	1,085	1,085	1,085	5,507	1,085
BOS	1,318	1,318	10,811	10,811	10,811	10,811	45,880	10,811
Civ Salary	2,371	4,511	7,065	7,065	7,065	7,065	35,142	7,065
TRICARE	143	143	2,857	2,857	2,857	2,857	11,714	2,857
MIL PERSONNEL								
Off Salary	687	1,375	1,375	1,375	1,375	1,375	7,561	1,375
Enl Salary	1,236	2,472	2,472	2,472	2,472	2,472	13,596	2,472
House Allow	407	407	7,662	7,662	7,662	7,662	31,463	7,662
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	6,360	12,899	34,914	34,914	34,914	34,914	158,915	34,914
TOTAL COST	63,099	126,075	103,891	34,914	50,386	34,914	413,280	34,914

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	88	0	1,183	0	0	0	1,271
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	88	0	1,183	0	0	0	1,271

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	171	171	2,603	2,603	2,603	2,603	10,754	2,603
Recap	193	193	1,623	1,623	1,623	1,623	6,881	1,623
BOS	1,462	1,462	9,479	9,479	9,479	9,479	40,839	9,479
Civ Salary	6,676	13,353	19,304	25,256	25,256	25,256	115,101	25,256
MIL PERSONNEL								
Off Salary	1,687	3,374	6,623	9,873	9,873	9,873	41,303	9,873
Enl Salary	123	247	8,611	16,974	16,974	16,974	59,904	16,974
House Allow	446	446	5,270	5,270	5,270	5,270	21,973	5,270
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	10,761	19,248	53,513	71,078	71,078	71,078	296,755	71,078
TOTAL SAVINGS	10,849	19,248	54,696	71,078	71,078	71,078	298,027	71,078

ADDER DETAIL REPORT (ADDER v6.10) - Page 3/3
Report Created 5/5/2005 8:33:43 AM

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	19,729	111,596	0	0	0	0	131,325
O&M							
Civ Retir/RIF	4,933	0	4,199	0	0	0	9,132
Civ Moving	2,743	0	33,029	0	0	0	35,772
Info Tech	8,980	0	231	0	0	0	9,211
Other	18,822	1,530	1,668	0	0	0	22,021
MIL PERSONNEL							
Mil Moving	375	0	2,865	0	0	0	3,240
OTHER							
HAP / RSE	581	0	2,992	0	0	0	3,573
Environmental	486	50	0	0	0	0	536
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	22,810	0	15,472	0	38,282
TOTAL ONE-TIME	56,651	113,176	67,794	0	15,472	0	253,093

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	-54	1,416	-1,015	-1,015	-1,015	-1,015	-2,700	-1,015
Recap	-113	892	-538	-538	-538	-538	-1,374	-538
BOS	-144	-144	1,332	1,332	1,332	1,332	5,040	1,332
Civ Salary	-4,305	-8,842	-12,239	-18,191	-18,191	-18,191	-79,959	-18,191
TRICARE	143	143	2,857	2,857	2,857	2,857	11,714	2,857
MIL PERSONNEL								
Mil Salary	113	225	-11,387	-23,000	-23,000	-23,000	-80,051	-23,000
House Allow	-40	-40	2,392	2,392	2,392	2,392	9,490	2,392
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	-4,401	-6,349	-18,599	-36,163	-36,163	-36,163	-137,840	-36,163
TOTAL NET COST	52,250	106,826	49,195	-36,163	-20,691	-36,163	115,253	-36,163

ADDER COMBINED NET PRESENT VALUES REPORT (ADDER v6.10)
Report Created 5/5/2005 8:33:43 AM

Year	Cost($)	Adjusted Cost($)	NPV($)
2006	52,249,993	51,533,505	51,533,505
2007	106,826,430	102,491,781	154,025,286
2008	49,194,872	45,913,146	199,938,432
2009	-36,163,486	-32,831,777	167,106,655
2010	-20,691,486	-18,273,539	148,833,116
2011	-36,163,486	-31,067,633	117,765,483
2012	-36,163,486	-30,221,433	87,544,050
2013	-36,163,486	-29,398,281	58,145,770
2014	-36,163,486	-28,597,549	29,548,220
2015	-36,163,486	-27,818,628	1,729,592
2016	-36,163,486	-27,060,922	-25,331,329
2017	-36,163,486	-26,323,854	-51,655,183
2018	-36,163,486	-25,606,862	-77,262,045
2019	-36,163,486	-24,909,399	-102,171,444
2020	-36,163,486	-24,230,933	-126,402,377
2021	-36,163,486	-23,570,946	-149,973,323
2022	-36,163,486	-22,928,936	-172,902,259
2023	-36,163,486	-22,304,412	-195,206,671
2024	-36,163,486	-21,696,899	-216,903,570
2025	-36,163,486	-21,105,933	-238,009,504

TOTAL COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10)
Data As Of 5/5/2005 8:05:06 AM, Report Created 5/5/2005 8:05:07 AM

Department : Technical JCSG
Scenario File : Z:\COBRA Database\TECH-0042\TECH-0042 Part 8\6.10\5 May update\J2 - C4ISR RDAT&E Consolidation_no_Holloman_Environmental_scrubbed_(6.10)_5May05.CBR
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

All values in 2005 Constant Dollars

Base Name	Total MilCon*	Milcon Cost Avoidence	Total Net Costs
Eglin AFB	0	0	0
Edwards AFB	0	0	0
Totals:	0	0	0

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

TOTAL COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10)
Data As Of 4/20/2005 4:12:53 PM, Report Created 4/20/2005 4:41:49 PM

Department : Technical JCSG
Scenario File : E:\Database\COBRA Database\TECH-0042\TECH-0042 Part 7\6.10\J1 - C4ISR RDAT&E Consolidation Tech042pt7_scrubbed_updated1APR2005(6.10).CBR
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : E:\Database\COBRA 6.10\BRAC2005.SFF

All values in 2005 Constant Dollars

Base Name	Total MilCon*	Milcon Cost Avoidence	Total Net Costs
Wright-Patterson AFB	0	0	0
Lackland AFB	0	0	0
Maxwell AFB	0	0	0
Hanscom AFB	131,325,000	0	131,325,000
Totals:	131,325,000	0	131,325,000

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10) - Page 2
Data As Of 4/20/2005 4:12:53 PM, Report Created 4/20/2005 4:41:49 PM

Department : Technical JCSG
Scenario File : E:\Database\COBRA Database\TECH-0042\TECH-0042 Part 7\6.10\J1 - C4ISR RDAT&E Consolidation Tech042pt7_scrubbed_updated1APR2005(6.10).CBR
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : E:\Database\COBRA 6.10\BRAC2005.SFF

MilCon for Base: Hanscom AFB, MA (MXRD)

All values in 2005 Constant Dollars ($K)

FAC	Title	UM	New MilCon	New Cost*	Using Rehab	Rehab Type	Rehab Cost*	Total Cost*
2172	Electronic and Communication Maintenance	SF	15,000	n/a**	0	Default	n/a**	6,750
3171	Electronic and Communication RDT&E Facili	SF	30,000	n/a**	0	Default	n/a**	9,000
6100	General Administrative Building	SF	570,292	n/a**	0	Default	n/a**	115,575

Total Construction Cost:	131,325
- Construction Cost Avoid:	0
Total Net Milcon Cost:	131,325

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

**No New Milcon / Rehabilitation Cost breakdown is available if Total Cost was entered by the user.

DCN:11659

Baseline

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 1/2
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Starting Year : 2006
Final Year : 2008
Payback Year : 2016 (8 Years)

NPV in 2025($K): -229,057
1-Time Cost($K): 252,369

Net Costs in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	19,729	111,596	0	0	0	0	131,325	0
Person	1,603	-7,546	-14,315	-37,688	-37,688	-37,688	-133,324	-37,688
Overhd	1,538	3,469	968	-447	-447	-447	4,635	-447
Moving	26,742	0	34,768	0	0	0	61,511	0
Missio	0	0	0	0	0	0	0	0
Other	944	0	28,516	2,714	18,186	2,714	53,073	2,714
TOTAL	50,557	107,518	49,937	-35,421	-19,949	-35,421	117,219	-35,421

	2006	2007	2008	2009	2010	2011	Total
POSITIONS ELIMINATED							
Off	22	0	52	0	0	0	74
Enl	3	0	203	0	0	0	206
Civ	191	0	179	0	0	0	370
TOT	216	0	434	0	0	0	650
POSITIONS REALIGNED							
Off	0	0	137	0	0	0	137
Enl	0	0	381	0	0	0	381
Stu	0	0	0	0	0	0	0
Civ	0	0	763	0	0	0	763
TOT	0	0	1,281	0	0	0	1,281

35,421
742
36,163

Summary:

Realign Wright-Patterson Air Force Base, OH, Maxwell Air Force Base, AL, and Lackland Air Force Base, TX, by relocating Air & Space Information Systems Research and Development & Acquisition to Hanscom Air Force Base, MA. Realign Eglin Air Force Base, FL, by relocating Air & Space Sensors, Electronic Warfare & Electronics and Information Systems Test & Evaluation to Edwards Air Force Base, CA.

Source Files:
1. TECH 0042 p7 USAF Complete 4 Jan 2005
2. Assumptions 5 Jan 2005 Approved TJCSG Telecon
3. Assumptions 10 Jan 2005 Approved TJCSG Telecon
4. Reduction Distribution (Dtd 31 Mar 05)
5. (Lackland tonnage file) SDD from USAF
6. TJCSG Telecon Minutes dtd 30Mar2005
7. TECH-0042p7with Hanscom CE(1).xls
8. OSD Database Question 3013
9. USAF document JS-609

650
1281 = 33%
1931

Source file 2 eliminated Rome Laboratory from scenario subsequent to the receipt of source file 1.
Source file 2 eliminated Brooks City-Base from scenario subsequent to the receipt of source file 1.
Source file 3 eliminated NAS PATUXENT River from scenario.

Transfers from Maxwell to Hanscom
4 officers
8 enlisted
57 civilians
76 contractors
141 transfers vs 1281 = 11% of output claimed in COBRA

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COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 2/2
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Costs in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	19,729	111,596	0	0	0	0	131,325	0
Person	9,724	8,484	24,102	18,293	18,293	18,293	97,189	18,293
Overhd	3,028	4,958	14,335	12,921	12,921	12,921	61,084	12,921
Moving	26,742	0	35,951	0	0	0	62,693	0
Missio	0	0	0	0	0	0	0	0
Other	944	0	28,516	2,714	18,186	2,714	53,073	2,714
TOTAL	60,167	125,038	102,905	33,927	49,399	33,927	405,365	33,927

Savings in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	8,121	16,030	38,417	55,981	55,981	55,981	230,513	55,981
Overhd	1,490	1,490	13,367	13,367	13,367	13,367	56,449	13,367
Moving	0	0	1,183	0	0	0	1,183	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	9,611	17,519	52,968	69,349	69,349	69,349	288,145	69,349

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TOTAL COBRA ONE-TIME COST REPORT (COBRA v6.10) - Page 1/5
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Department : Technical JCSG
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	131,325,000	
Total - Construction		131,325,000
Personnel		
Civilian RIF	7,803,988	
Civilian Early Retirement	1,108,220	
Eliminated Military PCS	1,599,036	
Unemployment	600,885	
Total - Personnel		11,112,130
Overhead		
Program Management Cost	4,717,650	
Support Contract Termination	0	
Mothball / Shutdown	301,922	
Total - Overhead		5,019,572
Moving		
Civilian Moving	31,039,270	
Civilian PPP	2,697,696	
Military Moving	2,691,500	
Freight	756,325	
Information Technologies	9,199,600	
One-Time Moving Costs	16,309,000	
Total - Moving		62,693,392
Other		
HAP / RSE	3,450,583	
Environmental Mitigation Costs	486,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	38,282,000	
Total - Other		42,218,583
Total One-Time Costs		252,368,676
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	1,182,757	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		1,182,757
Total Net One-Time Costs		251,185,919

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COBRA ONE-TIME COST REPORT (COBRA v6.10) - Page 2/5
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Wright-Patterson AFB, OH (ZHTV)
(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	5,622,855	
Civilian Early Retirement	532,748	
Eliminated Military PCS	221,547	
Unemployment	431,747	
Total - Personnel		6,808,897
Overhead		
Program Management Cost	1,667,193	
Support Contract Termination	0	
Mothball / Shutdown	102,130	
Total - Overhead		1,769,323
Moving		
Civilian Moving	12,615,437	
Civilian PPP	1,313,352	
Military Moving	196,676	
Freight	182,349	
Information Technologies	61,600	
One-Time Moving Costs	0	
Total - Moving		14,369,415
Other		
HAP / RSB	1,282,894	
Environmental Mitigation Costs	0	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		1,282,894
Total One-Time Costs		24,230,531
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	150,392	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		150,392
Total Net One-Time Costs		24,080,139

COBRA ONE-TIME COST REPORT (COBRA v6.10) - Page 3/5
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Base: Lackland AFB, TX (MPLS)
(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	286,991	
Civilian Early Retirement	47,956	
Eliminated Military PCS	20,955	
Unemployment	22,255	
Total - Personnel		378,157
Overhead		
Program Management Cost	86,729	
Support Contract Termination	0	
Mothball / Shutdown	0	
Total - Overhead		86,729
Moving		
Civilian Moving	1,357,196	
Civilian PPP	70,992	
Military Moving	89,950	
Freight	70,615	
Information Technologies	7,000	
One-Time Moving Costs	0	
Total - Moving		1,595,753
Other		
HAP / RSE	118,647	
Environmental Mitigation Costs	0	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		118,647
Total One-Time Costs		2,179,286
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	36,703	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		36,703
Total Net One-Time Costs		2,142,584

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COBRA ONE-TIME COST REPORT (COBRA v6.10) - Page 4/5
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Base: Maxwell AFB, AL (PNQS)
(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	1,894,142	
Civilian Early Retirement	527,516	
Eliminated Military PCS	1,356,534	
Unemployment	146,883	
Total - Personnel		3,925,075
Overhead		
Program Management Cost	2,963,728	
Support Contract Termination	0	
Mothball / Shutdown	199,792	
Total - Overhead		3,163,519
Moving		
Civilian Moving	17,066,637	
Civilian PPP	1,313,352	
Military Moving	2,404,874	
Freight	503,360	
Information Technologies	162,000	
One-Time Moving Costs	0	
Total - Moving		21,450,224
Other		
HAP / RSE	2,049,041	
Environmental Mitigation Costs	0	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		2,049,041
Total One-Time Costs		30,587,859
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	995,663	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		995,663
Total Net One-Time Costs		29,592,197

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Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Hanscom AFB, MA (MXRD)
(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	131,325,000	
Total - Construction		131,325,000
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Management Cost	0	
Support Contract Termination	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPP	0	
Military Moving	0	
Freight	0	
Information Technologies	8,969,000	
One-Time Moving Costs	16,309,000	
Total - Moving		25,278,000
Other		
HAP / RSE	0	
Environmental Mitigation Costs	486,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	38,282,000	
Total - Other		38,768,000
Total One-Time Costs		195,371,000
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		195,371,000

for review?

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TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 1/15
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Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	19,729	111,596	0	0	0	0	131,325
O&M							
CIV SALARY							
Civ RIF	4,520	0	3,284	0	0	0	7,804
Civ Retire	194	0	915	0	0	0	1,108
CIV MOVING							
Per Diem	0	0	5,108	0	0	0	5,108
POV Miles	0	0	138	0	0	0	138
Home Purch	0	0	12,540	0	0	0	12,540
HHG	0	0	3,299	0	0	0	3,299
Misc	0	0	635	0	0	0	635
House Hunt	0	0	3,252	0	0	0	3,252
PPP	1,384	0	1,313	0	0	0	2,698
RITA	0	0	6,068	0	0	0	6,068
FREIGHT							
Packing	0	0	72	0	0	0	72
Freight	80	0	604	0	0	0	684
Vehicles	0	0	0	0	0	0	0
Unemployment	347	0	254	0	0	0	601
OTHER							
Info Tech	8,969	0	231	0	0	0	9,200
Prog Manage	2,040	1,530	1,147	0	0	0	4,718
Supt Contrac	0	0	0	0	0	0	0
Mothball	35	0	267	0	0	0	302
1-Time Move	16,309	0	0	0	0	0	16,309
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	438	0	0	0	438
POV Miles	0	0	126	0	0	0	126
HHG	0	0	1,608	0	0	0	1,608
Misc	0	0	518	0	0	0	518
OTHER							
Elim PCS	242	0	1,356	0	0	0	1,599
OTHER							
HAP / RSE	458	0	2,992	0	0	0	3,450
Environmental	486	0	0	0	0	0	486
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	22,810	0	15,472	0	38,282
TOTAL ONE-TIME	54,794	113,126	68,977	0	15,472	0	252,369

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TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 2/15
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	117	1,587	1,587	1,587	1,587	1,587	8,054	1,587
Recap	80	1,085	1,085	1,085	1,085	1,085	5,507	1,085
BOS	756	756	10,248	10,248	10,248	10,248	42,504	10,248
Civ Salary	2,140	4,279	6,833	6,833	6,833	6,833	33,752	6,833
TRICARE	0	0	2,714	2,714	2,714	2,714	10,854	2,714
MIL PERSONNEL								
Off Salary	687	1,375	1,375	1,375	1,375	1,375	7,561	1,375
Enl Salary	1,236	2,472	2,472	2,472	2,472	2,472	13,596	2,472
House Allow	358	358	7,613	7,613	7,613	7,613	31,168	7,613
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	5,373	11,912	33,927	33,927	33,927	33,927	152,996	33,927
TOTAL COST	60,167	125,038	102,905	33,927	49,399	33,927	405,365	33,927

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	1,183	0	0	0	1,183
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	1,183	0	0	0	1,183

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	171	171	2,603	2,603	2,603	2,603	10,754	2,603
Recap	193	193	1,623	1,623	1,623	1,623	6,881	1,623
BOS	1,125	1,125	9,141	9,141	9,141	9,141	38,814	9,141
Civ Salary	6,410	12,821	18,772	24,724	24,724	24,724	112,175	24,724
MIL PERSONNEL								
Off Salary	1,375	2,749	5,999	9,248	9,248	9,248	37,866	9,248
Enl Salary	123	247	8,611	16,974	16,974	16,974	59,904	16,974
House Allow	212	212	5,036	5,036	5,036	5,036	20,567	5,036
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	9,611	17,519	51,785	69,349	69,349	69,349	286,962	69,349
TOTAL SAVINGS	9,611	17,519	52,968	69,349	69,349	69,349	288,145	69,349

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TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 3/15
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	19,729	111,596	0	0	0	0	131,325
O&M							
Civ Retir/RIF	4,713	0	4,199	0	0	0	8,912
Civ Moving	1,464	0	33,029	0	0	0	34,493
Info Tech	8,969	0	231	0	0	0	9,200
Other	18,731	1,530	1,668	0	0	0	21,929
MIL PERSONNEL							
Mil Moving	242	0	2,865	0	0	0	3,108
OTHER							
HAP / RSE	458	0	2,992	0	0	0	3,450
Environmental	486	0	0	0	0	0	486
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	22,810	0	15,472	0	38,282
TOTAL ONE-TIME	54,794	113,126	67,794	0	15,472	0	250,700

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	-54	1,416	-1,015	-1,015	-1,015	-1,015	-2,700	-1,015
Recap	-113	892	-538	-538	-538	-538	-1,374	-538
BOS	-369	-369	1,107	1,107	1,107	1,107	3,690	1,107
Civ Salary	-4,271	-8,542	-11,939	-17,890	-17,890	-17,890	-78,424	-17,890
TRICARE	0	0	2,714	2,714	2,714	2,714	10,854	2,714
MIL PERSONNEL								
Mil Salary	425	850	-10,763	-22,375	-22,375	-22,375	-76,614	-22,375
House Allow	145	145	2,578	2,578	2,578	2,578	10,602	2,578
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	-4,237	-5,607	-17,857	-35,421	-35,421	-35,421	-133,966	-35,421
TOTAL NET COST	50,557	107,518	49,937	-35,421	-19,949	-35,421	117,219	-35,421

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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Wright-Patterson AFB, OH (ZHTV)

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	4,347	0	1,275	0	0	0	5,623
Civ Retire	182	0	351	0	0	0	533
CIV MOVING							
Per Diem	0	0	2,112	0	0	0	2,112
POV Miles	0	0	43	0	0	0	43
Home Purch	0	0	5,216	0	0	0	5,216
HHG	0	0	1,149	0	0	0	1,149
Misc	0	0	269	0	0	0	269
House Hunt	0	0	1,318	0	0	0	1,318
PPP	1,313	0	0	0	0	0	1,313
RITA	0	0	2,508	0	0	0	2,508
FREIGHT							
Packing	0	0	19	0	0	0	19
Freight	15	0	148	0	0	0	163
Vehicles	0	0	0	0	0	0	0
Unemployment	334	0	98	0	0	0	432
OTHER							
Info Tech	0	0	62	0	0	0	62
Prog Manage	721	541	405	0	0	0	1,667
Supt Contrac	0	0	0	0	0	0	0
Mothball	35	0	67	0	0	0	102
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	22	0	0	0	22
POV Miles	0	0	6	0	0	0	6
HHG	0	0	129	0	0	0	129
Misc	0	0	39	0	0	0	39
OTHER							
Elim PCS	221	0	0	0	0	0	221
OTHER							
HAP / RSE	436	0	847	0	0	0	1,283
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	7,605	541	16,085	0	0	0	24,230

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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Wright-Patterson AFB, OH (ZHTV)

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	7,605	541	16,085	0	0	0	24,230	0

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	150	0	0	0	150
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	150	0	0	0	150

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	171	171	503	503	503	503	2,353	503
Recap	193	193	567	567	567	567	2,657	567
BOS	1,094	1,094	3,208	3,208	3,208	3,208	15,020	3,208
Civ Salary	6,145	12,289	12,289	12,289	12,289	12,289	67,591	12,289
MIL PERSONNEL								
Off Salary	1,250	2,499	2,499	2,499	2,499	2,499	13,747	2,499
Enl Salary	123	247	247	247	247	247	1,359	247
House Allow	198	198	535	535	535	535	2,538	535
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	9,175	16,693	19,849	19,849	19,849	19,849	105,265	19,849
TOTAL SAVINGS	9,175	16,693	19,999	19,849	19,849	19,849	105,416	19,849

DCN:11659

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 6/15
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Wright-Patterson AFB, OH (ZHTV)

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	4,529	0	1,626	0	0	0	6,156
Civ Moving	1,329	0	12,782	0	0	0	14,111
Info Tech	0	0	62	0	0	0	62
Other	1,090	541	571	0	0	0	2,201
MIL PERSONNEL							
Mil Moving	221	0	46	0	0	0	268
OTHER							
HAP / RSE	436	0	847	0	0	0	1,283
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	7,605	541	15,934	0	0	0	24,080

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	-171	-171	-503	-503	-503	-503	-2,353	-503
Recap	-193	-193	-567	-567	-567	-567	-2,657	-567
BOS	-1,094	-1,094	-3,208	-3,208	-3,208	-3,208	-15,020	-3,208
Civ Salary	-6,145	-12,289	-12,289	-12,289	-12,289	-12,289	-67,591	-12,289
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	-1,373	-2,747	-2,747	-2,747	-2,747	-2,747	-15,106	-2,747
House Allow	-198	-198	-535	-535	-535	-535	-2,538	-535
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	-9,175	-16,693	-19,849	-19,849	-19,849	-19,849	-105,265	-19,849
TOTAL NET COST	-1,570	-16,153	-3,915	-19,849	-19,849	-19,849	-81,185	-19,849

DCN:11659

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 7/15
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Lackland AFB, TX (MPLS)

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	172	0	115	0	0	0	287
Civ Retire	12	0	36	0	0	0	48
CIV MOVING							
Per Diem	0	0	217	0	0	0	217
POV Miles	0	0	10	0	0	0	10
Home Purch	0	0	500	0	0	0	500
HHG	0	0	206	0	0	0	206
Misc	0	0	25	0	0	0	25
House Hunt	0	0	146	0	0	0	146
PPP	71	0	0	0	0	0	71
RITA	0	0	252	0	0	0	252
FREIGHT							
Packing	0	0	2	0	0	0	2
Freight	46	0	22	0	0	0	68
Vehicles	0	0	0	0	0	0	0
Unemployment	13	0	9	0	0	0	22
OTHER							
Info Tech	0	0	7	0	0	0	7
Prog Manage	37	28	21	0	0	0	87
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	14	0	0	0	14
POV Miles	0	0	4	0	0	0	4
HHG	0	0	62	0	0	0	62
Misc	0	0	10	0	0	0	10
OTHER							
Elim PCS	21	0	0	0	0	0	21
OTHER							
HAP / RSE	22	0	96	0	0	0	119
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	395	28	1,756	0	0	0	2,179

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COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 8/15
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Lackland AFB, TX (MPLS)

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	395	28	1,756	0	0	0	2,179	0

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	37	0	0	0	37
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	37	0	0	0	37

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	30	30	165	165	165	165	721	165
Civ Salary	266	532	532	532	532	532	2,926	532
MIL PERSONNEL								
Off Salary	125	250	250	250	250	250	1,375	250
Enl Salary	0	0	0	0	0	0	0	0
House Allow	14	14	107	107	107	107	454	107
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	435	826	1,054	1,054	1,054	1,054	5,476	1,054
TOTAL SAVINGS	435	826	1,090	1,054	1,054	1,054	5,512	1,054

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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Lackland AFB, TX (MPLS)

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	184	0	151	0	0	0	335
Civ Moving	117	0	1,382	0	0	0	1,499
Info Tech	0	0	7	0	0	0	7
Other	51	28	30	0	0	0	109
MIL PERSONNEL							
Mil Moving	21	0	53	0	0	0	74
OTHER							
HAP / RSE	22	0	96	0	0	0	119
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	395	28	1,719	0	0	0	2,142

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	-30	-30	-165	-165	-165	-165	-721	-165
Civ Salary	-266	-532	-532	-532	-532	-532	-2,926	-532
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	-125	-250	-250	-250	-250	-250	-1,375	-250
House Allow	-14	-14	-107	-107	-107	-107	-454	-107
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	-435	-826	-1,054	-1,054	-1,054	-1,054	-5,476	-1,054
TOTAL NET COST	-40	-798	665	-1,054	-1,054	-1,054	-3,333	-1,054

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COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 10/15
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Maxwell AFB, AL (PNQS)

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	1,894	0	0	0	1,894
Civ Retire	0	0	527	0	0	0	527
CIV MOVING							
Per Diem	0	0	2,779	0	0	0	2,779
POV Miles	0	0	84	0	0	0	84
Home Purch	0	0	6,823	0	0	0	6,823
HHG	0	0	1,943	0	0	0	1,943
Misc	0	0	341	0	0	0	341
House Hunt	0	0	1,787	0	0	0	1,787
PPP	0	0	1,313	0	0	0	1,313
RITA	0	0	3,308	0	0	0	3,308
FREIGHT							
Packing	0	0	50	0	0	0	50
Freight	18	0	434	0	0	0	453
Vehicles	0	0	0	0	0	0	0
Unemployment	0	0	147	0	0	0	147
OTHER							
Info Tech	0	0	162	0	0	0	162
Prog Manage	1,282	961	721	0	0	0	2,964
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	200	0	0	0	200
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	403	0	0	0	403
POV Miles	0	0	116	0	0	0	116
HHG	0	0	1,417	0	0	0	1,417
Misc	0	0	469	0	0	0	469
OTHER							
Elim PCS	0	0	1,356	0	0	0	1,356
OTHER							
HAP / RSE	0	0	2,049	0	0	0	2,049
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	1,300	961	28,326	0	0	0	30,588

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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated lapr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Maxwell AFB, AL (PNQS)

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	1,300	961	28,326	0	0	0	30,588	0

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	996	0	0	0	996
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	996	0	0	0	996

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	2,100	2,100	2,100	2,100	8,401	2,100
Recap	0	0	1,056	1,056	1,056	1,056	4,224	1,056
BOS	0	0	5,768	5,768	5,768	5,768	23,073	5,768
Civ Salary	0	0	5,951	11,902	11,902	11,902	41,659	11,902
MIL PERSONNEL								
Off Salary	0	0	3,249	6,498	6,498	6,498	22,745	6,498
Enl Salary	0	0	8,363	16,727	16,727	16,727	58,544	16,727
House Allow	0	0	4,394	4,394	4,394	4,394	17,575	4,394
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	30,882	48,446	48,446	48,446	176,221	48,446
TOTAL SAVINGS	0	0	31,878	48,446	48,446	48,446	177,217	48,446

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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated lapr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Maxwell AFB, AL (PNQS)

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	2,422	0	0	0	2,422
Civ Moving	18	0	18,865	0	0	0	18,883
Info Tech	0	0	162	0	0	0	162
Other	1,282	961	1,067	0	0	0	3,310
MIL PERSONNEL							
Mil Moving	0	0	2,766	0	0	0	2,766
OTHER							
HAP / RSE	0	0	2,049	0	0	0	2,049
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	1,300	961	27,331	0	0	0	29,592

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	-2,100	-2,100	-2,100	-2,100	-8,401	-2,100
Recap	0	0	-1,056	-1,056	-1,056	-1,056	-4,224	-1,056
BOS	0	0	-5,768	-5,768	-5,768	-5,768	-23,073	-5,768
Civ Salary	0	0	-5,951	-11,902	-11,902	-11,902	-41,659	-11,902
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	-11,613	-23,225	-23,225	-23,225	-81,289	-23,225
House Allow	0	0	-4,394	-4,394	-4,394	-4,394	-17,575	-4,394
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	-30,882	-48,446	-48,446	-48,446	-176,221	-48,446
TOTAL NET COST	1,300	961	-3,551	-48,446	-48,446	-48,446	-146,629	-48,446

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COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 13/15
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Pctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Hanscom AFB, MA (MXRD)

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	19,729	111,596	0	0	0	0	131,325
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPP	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Info Tech	8,969	0	0	0	0	0	8,969
Prog Manage	0	0	0	0	0	0	0
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	16,309	0	0	0	0	0	16,309
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	486	0	0	0	0	0	486
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	22,810	0	15,472	0	38,282
TOTAL ONE-TIME	45,493	111,596	22,810	0	15,472	0	195,371

DCN:11659

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 14/15
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Hanscom AFB, MA (MXRD)

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	117	1,587	1,587	1,587	1,587	1,587	8,054	1,587
Recap	80	1,085	1,085	1,085	1,085	1,085	5,507	1,085
BOS	756	756	10,248	10,248	10,248	10,248	42,504	10,248
Civ Salary	2,140	4,279	6,833	6,833	6,833	6,833	33,752	6,833
TRICARE	0	0	2,714	2,714	2,714	2,714	10,854	2,714
MIL PERSONNEL								
Off Salary	687	1,375	1,375	1,375	1,375	1,375	7,561	1,375
Enl Salary	1,236	2,472	2,472	2,472	2,472	2,472	13,596	2,472
House Allow	358	358	7,613	7,613	7,613	7,613	31,168	7,613
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	5,373	11,912	33,927	33,927	33,927	33,927	152,996	33,927
TOTAL COSTS	50,867	123,508	56,737	33,927	49,399	33,927	348,367	33,927

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	0	0	0	0	0	0	0	0

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COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 15/15
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Hanscom AFB, MA (MXRD)

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	19,729	111,596	0	0	0	0	131,325
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Info Tech	8,969	0	0	0	0	0	8,969
Other	16,309	0	0	0	0	0	16,309
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	486	0	0	0	0	0	486
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	22,810	0	15,472	0	38,282
TOTAL ONE-TIME	45,493	111,596	22,810	0	15,472	0	195,371

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	117	1,587	1,587	1,587	1,587	1,587	8,054	1,587
Recap	80	1,085	1,085	1,085	1,085	1,085	5,507	1,085
BOS	756	756	10,248	10,248	10,248	10,248	42,504	10,248
Civ Salary	2,140	4,279	6,833	6,833	6,833	6,833	33,752	6,833
TRICARE	0	0	2,714	2,714	2,714	2,714	10,854	2,714
MIL PERSONNEL								
Mil Salary	1,923	3,847	3,847	3,847	3,847	3,847	21,157	3,847
House Allow	358	358	7,613	7,613	7,613	7,613	31,168	7,613
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	5,373	11,912	33,927	33,927	33,927	33,927	152,996	33,927
TOTAL NET COST	50,867	123,508	56,737	33,927	49,399	33,927	348,367	33,927

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COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10)
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Personnel

Base	Start*	Finish*	Change	%Change
Wright-Patterson AFB	15,885	15,281	-604	-4%
Lackland AFB	20,719	20,665	-54	0%
Maxwell AFB	6,505	5,232	-1,273	-20%
Hanscom AFB	2,789	4,172	1,383	50%
TOTAL	45,898	45,350	-548	-1%

Square Footage

Base	Start	Finish	Change	%Change	Chg/Per
Wright-Patterson AFB	13,341,000	13,114,044	-226,956	-2%	376
Lackland AFB	6,210,000	6,210,000	0	0%	0
Maxwell AFB	3,496,000	3,052,018	-443,982	-13%	349
Hanscom AFB	3,292,000	3,907,292	615,292	19%	445
TOTAL	26,339,000	26,283,354	-55,646	0%	101

Base Operations Support (2005$)

Base	Start*	Finish*	Change	%Change	Chg/Per
Wright-Patterson AFB	100,469,454	97,261,569	-3,207,884	-3%	5,311
Lackland AFB	72,616,691	72,451,590	-165,100	0%	3,057
Maxwell AFB	43,214,333	37,446,078	-5,768,255	-13%	4,531
Hanscom AFB	43,133,946	53,382,056	10,248,110	24%	7,410
TOTAL	259,434,424	260,541,294	1,106,870	0%	-2,020

Sustainment (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Wright-Patterson AFB	29,545,343	29,042,720	-502,623	-2%	832
Lackland AFB	2,642,451	2,642,451	0	0%	0
Maxwell AFB	16,537,061	14,436,901	-2,100,159	-13%	1,650
Hanscom AFB	13,581,241	15,168,622	1,587,381	12%	1,148
TOTAL	62,306,096	61,290,695	-1,015,401	-2%	1,853

Recapitalization (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Wright-Patterson AFB	33,360,037	32,792,518	-567,518	-2%	939
Lackland AFB	15,004,230	15,004,230	0	0%	0
Maxwell AFB	8,315,121	7,259,124	-1,055,996	-13%	829
Hanscom AFB	8,813,565	9,898,895	1,085,330	12%	785
TOTAL	65,492,952	64,954,768	-538,184	-1%	982

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COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10) - Page 2
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated lapr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Sustain + Recap + BOS (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Wright-Patterson AFB	163,374,834	159,096,808	-4,278,026	-3%	7,083
Lackland AFB	90,263,372	90,098,271	-165,100	0%	3,057
Maxwell AFB	68,066,515	59,142,104	-8,924,411	-13%	7,010
Hanscom AFB	65,528,752	78,449,573	12,920,821	20%	9,343
TOTAL	387,233,472	386,786,757	-446,715	0%	815

Plant Replacement Value (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Wright-Patterson AFB	4,036,564,439	3,967,894,735	-68,669,704	-2%	113,691
Lackland AFB	1,815,511,833	1,815,511,833	0	0%	0
Maxwell AFB	1,006,129,610	878,354,027	-127,775,582	-13%	100,373
Hanscom AFB	1,066,441,328	1,197,766,328	131,325,000	12%	94,957
TOTAL	7,924,647,210	7,859,526,924	-65,120,286	-1%	118,833

* "Start" and "Finish" values for Personnel and BOS both include the Programmed Installation Population (non-BRAC) Changes, so that only changes attributable to the BRAC action are reflected in the "Change" columns of this report.

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TOTAL COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v5.10)
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

All values in 2005 Constant Dollars

Base Name	Total MilCon*	Milcon Cost Avoidence	Total Net Costs
Wright-Patterson AFB	0	0	0
Lackland AFB	0	0	0
Maxwell AFB	0	0	0
Hanscom AFB	131,325,000	0	131,325,000
Totals:	131,325,000	0	131,325,000

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

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COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10) - Page 2
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

MilCon for Base: Hanscom AFB, MA (MXRD)

All values in 2005 Constant Dollars ($K)

FAC	Title	UM	New MilCon	New Cost*	Using Rehab	Rehab Type	Rehab Cost*	Total Cost*
2172	Electronic and Communication Maintenance	SF	15,000	n/a**	0	Default	n/a**	6,750
3171	Electronic and Communication RDT&E Facili	SF	30,000	n/a**	0	Default	n/a**	9,000
6100	General Administrative Building	SF	570,292	n/a**	0	Default	n/a**	115,575

Total Construction Cost:	131,325
- Construction Cost Avoid:	0
Total Net Milcon Cost:	131,325

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

**No New Milcon / Rehabilitation Cost breakdown is available if Total Cost was entered by the user.

DCN:11659

COBRA NET PRESENT VALUES REPORT (COBRA v6.10)
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Year	Cost($)	Adjusted Cost($)	NPV($)
2006	50,556,665	49,863,396	49,863,396
2007	107,518,433	103,155,705	153,019,102
2008	49,936,875	46,605,651	199,624,753
2009	-35,421,483	-32,158,134	167,466,619
2010	-19,949,483	-17,618,245	149,848,374
2011	-35,421,483	-30,430,186	119,418,188
2012	-35,421,483	-29,601,349	89,816,839
2013	-35,421,483	-28,795,086	61,021,753
2014	-35,421,483	-28,010,784	33,010,968
2015	-35,421,483	-27,247,845	5,763,124
2016	-35,421,483	-26,505,685	-20,742,562
2017	-35,421,483	-25,783,741	-46,526,302
2018	-35,421,483	-25,081,460	-71,607,762
2019	-35,421,483	-24,398,307	-96,006,069
2020	-35,421,483	-23,733,762	-119,739,831
2021	-35,421,483	-23,087,317	-142,827,148
2022	-35,421,483	-22,458,479	-165,285,628
2023	-35,421,483	-21,846,770	-187,132,398
2024	-35,421,483	-21,251,722	-208,384,120
2025	-35,421,483	-20,672,881	-229,057,001

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TOTAL COBRA PERSONNEL IMPACT REPORT (COBRA v6.10) - Page 1/5
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	763	0	0	0	763
Early Retirement*	8.10%	0	0	62	0	0	0	62
Regular Retirement*	1.67%	0	0	13	0	0	0	13
Civilian Turnover*	9.16%	0	0	70	0	0	0	70
Civs Not Moving (RIFs)*	6.00%	0	0	46	0	0	0	46
Civilians Moving (the remainder)		0	0	572	0	0	0	572
Civilian Positions Available		0	0	191	0	0	0	191
CIVILIAN POSITIONS ELIMINATED		191	0	179	0	0	0	370
Early Retirement	8.10%	16	0	14	0	0	0	30
Regular Retirement	1.67%	3	0	3	0	0	0	6
Civilian Turnover	9.16%	18	0	16	0	0	0	34
Civs Not Moving (RIFs)*	6.00%	11	0	11	0	0	0	22
Priority Placement#	39.97%	76	0	72	0	0	0	148
Civilians Available to Move		67	0	63	0	0	0	130
Civilians Moving		0	0	63	0	0	0	63
Civilian RIFs (the remainder)		67	0	0	0	0	0	67
CIVILIAN POSITIONS REALIGNING IN		0	0	763	0	0	0	763
Civilians Moving		0	0	635	0	0	0	635
New Civilians Hired		0	0	128	0	0	0	128
Other Civilian Additions		61	0	0	0	0	0	61
TOTAL CIVILIAN EARLY RETIREMENTS		16	0	76	0	0	0	92
TOTAL CIVILIAN RIFS		78	0	57	0	0	0	135
TOTAL CIVILIAN PRIORITY PLACEMENTS#		76	0	72	0	0	0	148
TOTAL CIVILIAN NEW HIRES		61	0	128	0	0	0	189

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPP placements involving a PCS is 50.70%

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COBRA PERSONNEL IMPACT REPORT (COBRA v6.10) - Page 2/5
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated lapr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Wright-Patterson AFB, OH (ZHTV)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	359	0	0	0	359	
Early Retirement*	8.10%	0	29	0	0	0	29	
Regular Retirement*	1.67%	0	6	0	0	0	6	
Civilian Turnover*	9.16%	0	33	0	0	0	33	
Civs Not Moving (RIFs)*	6.00%	0	22	0	0	0	22	
Civilians Moving (the remainder)		0	269	0	0	0	269	
Civilian Positions Available		0	90	0	0	0	90	
CIVILIAN POSITIONS ELIMINATED		183	0	0	0	0	0	183
Early Retirement	8.10%	15	0	0	0	0	0	15
Regular Retirement	1.67%	3	0	0	0	0	0	3
Civilian Turnover	9.16%	17	0	0	0	0	0	17
Civs Not Moving (RIFs)*	6.00%	11	0	0	0	0	0	11
Priority Placement#	39.97%	73	0	0	0	0	0	73
Civilians Available to Move		64	0	0	0	0	0	64
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		64	0	0	0	0	0	64
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		15	0	29	0	0	0	44
TOTAL CIVILIAN RIFS		75	0	22	0	0	0	97
TOTAL CIVILIAN PRIORITY PLACEMENTS#		73	0	0	0	0	0	73
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPP placements involving a PCS is 50.70%

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COBRA PERSONNEL IMPACT REPORT (COBRA v6.10) - Page 3/5
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Lackland AFB, TX (MPLS)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	34	0	0	0	34
Early Retirement*	8.10%	0	0	3	0	0	0	3
Regular Retirement*	1.67%	0	0	1	0	0	0	1
Civilian Turnover*	9.16%	0	0	3	0	0	0	3
Civs Not Moving (RIFs)*	6.00%	0	0	2	0	0	0	2
Civilians Moving (the remainder)		0	0	25	0	0	0	25
Civilian Positions Available		0	0	9	0	0	0	9
CIVILIAN POSITIONS ELIMINATED		8	0	0	0	0	0	8
Early Retirement	8.10%	1	0	0	0	0	0	1
Regular Retirement	1.67%	0	0	0	0	0	0	0
Civilian Turnover	9.16%	1	0	0	0	0	0	1
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	39.97%	3	0	0	0	0	0	3
Civilians Available to Move		3	0	0	0	0	0	3
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		3	0	0	0	0	0	3
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		1	0	3	0	0	0	4
TOTAL CIVILIAN RIFS		3	0	2	0	0	0	5
TOTAL CIVILIAN PRIORITY PLACEMENTS#		3	0	0	0	0	0	3
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPP placements involving a PCS is 50.70%

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COBRA PERSONNEL IMPACT REPORT (COBRA v6.10) - Page 4/5
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Maxwell AFB, AL (PNQS)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	370	0	0	0	370
Early Retirement*	8.10%	0	0	30	0	0	0	30
Regular Retirement*	1.67%	0	0	6	0	0	0	6
Civilian Turnover*	9.16%	0	0	34	0	0	0	34
Civs Not Moving (RIFs)*	6.00%	0	0	22	0	0	0	22
Civilians Moving (the remainder)		0	0	278	0	0	0	278
Civilian Positions Available		0	0	92	0	0	0	92
CIVILIAN POSITIONS ELIMINATED		0	0	179	0	0	0	179
Early Retirement	8.10%	0	0	14	0	0	0	14
Regular Retirement	1.67%	0	0	3	0	0	0	3
Civilian Turnover	9.16%	0	0	16	0	0	0	16
Civs Not Moving (RIFs)*	6.00%	0	0	11	0	0	0	11
Priority Placement#	39.97%	0	0	72	0	0	0	72
Civilians Available to Move		0	0	63	0	0	0	63
Civilians Moving		0	0	63	0	0	0	63
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	44	0	0	0	44
TOTAL CIVILIAN RIFS		0	0	33	0	0	0	33
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	72	0	0	0	72
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPP placements involving a PCS is 50.70%

DCN:11659

COBRA PERSONNEL IMPACT REPORT (COBRA v6.10) - Page 5/5
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Hanscom AFB, MA (MXRD)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	8.10%	0	0	0	0	0	0	0
Regular Retirement*	1.67%	0	0	0	0	0	0	0
Civilian Turnover*	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	8.10%	0	0	0	0	0	0	0
Regular Retirement	1.67%	0	0	0	0	0	0	0
Civilian Turnover	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	39.97%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	763	0	0	0	763
Civilians Moving		0	0	635	0	0	0	635
New Civilians Hired		0	0	128	0	0	0	128
Other Civilian Additions		61	0	0	0	0	0	61
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		61	0	128	0	0	0	189

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPP placements involving a PCS is 50.70%

DCN:11659

COBRA PERSONNEL YEARLY PERCENTAGES REPORT (COBRA v6.10) - Page 1/2
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Wright-Patterson AFB, OH (ZHTV)

Year	Pers Moved In/Added Total	Pers Moved In/Added Percent	MilCon TimePhase	Pers Moved Out/Eliminated Total	Pers Moved Out/Eliminated Percent	ShutDn TimePhase
2006	0	0.00%	66.67%	206	34.11%	34.11%
2007	0	0.00%	33.33%	0	0.00%	0.00%
2008	0	0.00%	0.00%	398	65.89%	65.89%
2009	0	0.00%	0.00%	0	0.00%	0.00%
2010	0	0.00%	0.00%	0	0.00%	0.00%
2011	0	0.00%	0.00%	0	0.00%	0.00%
TOTALS	0	0.00%	100.00%	604	100.00%	100.00%

Base: Lackland AFB, TX (MPLS)

Year	Pers Moved In/Added Total	Pers Moved In/Added Percent	MilCon TimePhase	Pers Moved Out/Eliminated Total	Pers Moved Out/Eliminated Percent	ShutDn TimePhase
2006	0	0.00%	66.67%	10	18.52%	18.52%
2007	0	0.00%	33.33%	0	0.00%	0.00%
2008	0	0.00%	0.00%	44	81.48%	81.48%
2009	0	0.00%	0.00%	0	0.00%	0.00%
2010	0	0.00%	0.00%	0	0.00%	0.00%
2011	0	0.00%	0.00%	0	0.00%	0.00%
TOTALS	0	0.00%	100.00%	54	100.00%	100.00%

Base: Maxwell AFB, AL (PNQS)

Year	Pers Moved In/Added Total	Pers Moved In/Added Percent	MilCon TimePhase	Pers Moved Out/Eliminated Total	Pers Moved Out/Eliminated Percent	ShutDn TimePhase
2006	0	0.00%	66.67%	0	0.00%	0.00%
2007	0	0.00%	33.33%	0	0.00%	0.00%
2008	0	0.00%	0.00%	1,273	100.00%	100.00%
2009	0	0.00%	0.00%	0	0.00%	0.00%
2010	0	0.00%	0.00%	0	0.00%	0.00%
2011	0	0.00%	0.00%	0	0.00%	0.00%
TOTALS	0	0.00%	100.00%	1273	100.00%	100.00%

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COBRA PERSONNEL YEARLY PERCENTAGES REPORT (COBRA v6.10) - Page 2/2
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Base: Hanscom AFB, MA (MXRD)

	Pers Moved In/Added		MilCon	Pers Moved Out/Eliminated		ShutDn
Year	Total	Percent	TimePhase	Total	Percent	TimePhase
2006	102	7.38%	7.38%	0	0.00%	16.67%
2007	0	0.00%	92.62%	0	0.00%	16.67%
2008	1,281	92.62%	0.00%	0	0.00%	16.67%
2009	0	0.00%	0.00%	0	0.00%	16.67%
2010	0	0.00%	0.00%	0	0.00%	16.67%
2011	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	1383	100.00%	100.00%	0	0.00%	100.00%

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COBRA TOTAL PERSONNEL SUMMARY REPORT (COBRA v6.10)
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

TOTAL SCENARIO POPULATION (FY 2005, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
6,548	12,329	7,091	19,930

TOTAL PERSONNEL REALIGNMENTS, ENTIRE SCENARIO):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	137	0	0	0	137
Enlisted	0	0	381	0	0	0	381
Students	0	0	0	0	0	0	0
Civilians	0	0	763	0	0	0	763
TOTAL	0	0	1,281	0	0	0	1,281

TOTAL SCENARIO POSITION CHANGES, ENTIRE SCENARIO:

	2006	2007	2008	2009	2010	2011	Total
Officers	-11	0	-52	0	0	0	-63
Enlisted	27	0	-203	0	0	0	-176
Civilians	-130	0	-179	0	0	0	-309
TOTAL	-114	0	-434	0	0	0	-548

TOTAL SCENARIO POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
6,485	12,153	7,091	19,621

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COBRA PERSONNEL SUMMARY REPORT (COBRA v6.10) - Page 2
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

PERSONNEL SUMMARY FOR: Wright-Patterson AFB, OH (ZHTV)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: Wright-Patterson AFB, OH (ZHTV)

Officers	Enlisted	Students	Civilians
2,388	2,528	28	10,941

PERSONNEL REALIGNMENTS:
To Base: Hanscom AFB, MA (MXRD)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	34	0	0	0	34
Enlisted	0	0	5	0	0	0	5
Students	0	0	0	0	0	0	0
Civilians	0	0	359	0	0	0	359
TOTAL	0	0	398	0	0	0	398

TOTAL PERSONNEL REALIGNMENTS (Out of Wright-Patterson AFB, OH (ZHTV)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	34	0	0	0	34
Enlisted	0	0	5	0	0	0	5
Students	0	0	0	0	0	0	0
Civilians	0	0	359	0	0	0	359
TOTAL	0	0	398	0	0	0	398

SCENARIO POSITION CHANGES FOR: Wright-Patterson AFB, OH (ZHTV)

	2006	2007	2008	2009	2010	2011	Total
Officers	-20	0	0	0	0	0	-20
Enlisted	-3	0	0	0	0	0	-3
Civilians	-183	0	0	0	0	0	-183
TOTAL	-206	0	0	0	0	0	-206

BASE POPULATION (After BRAC Action) FOR: Wright-Patterson AFB, OH (ZHTV)

Officers	Enlisted	Students	Civilians
2,334	2,520	28	10,399

PERSONNEL SUMMARY FOR: Lackland AFB, TX (MPLS)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: Lackland AFB, TX (MPLS)

Officers	Enlisted	Students	Civilians
2,207	7,232	6,026	5,254

PERSONNEL REALIGNMENTS:
To Base: Hanscom AFB, MA (MXRD)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	8	0	0	0	8
Enlisted	0	0	2	0	0	0	2
Students	0	0	0	0	0	0	0
Civilians	0	0	34	0	0	0	34
TOTAL	0	0	44	0	0	0	44

TOTAL PERSONNEL REALIGNMENTS (Out of Lackland AFB, TX (MPLS)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	8	0	0	0	8
Enlisted	0	0	2	0	0	0	2
Students	0	0	0	0	0	0	0
Civilians	0	0	34	0	0	0	34
TOTAL	0	0	44	0	0	0	44

DCN:11659

COBRA PERSONNEL SUMMARY REPORT (COBRA v6.10) - Page 3
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated lapr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

SCENARIO POSITION CHANGES FOR: Lackland AFB, TX (MPLS)

	2006	2007	2008	2009	2010	2011	Total
Officers	-2	0	0	0	0	0	-2
Enlisted	0	0	0	0	0	0	0
Civilians	-8	0	0	0	0	0	-8
TOTAL	-10	0	0	0	0	0	-10

BASE POPULATION (After BRAC Action) FOR: Lackland AFB, TX (MPLS)

Officers	Enlisted	Students	Civilians
2,197	7,230	6,026	5,212

PERSONNEL SUMMARY FOR: Maxwell AFB, AL (PNQS)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: Maxwell AFB, AL (PNQS)

Officers	Enlisted	Students	Civilians
1,186	2,056	1,037	2,226

2226
1677
549

PERSONNEL REALIGNMENTS:
To Base: Hanscom AFB, MA (MXRD)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	95	0	0	0	95
Enlisted	0	0	374	0	0	0	374
Students	0	0	0	0	0	0	0
Civilians	0	0	370	0	0	0	370
TOTAL	0	0	839	0	0	0	839

839
434

TOTAL PERSONNEL REALIGNMENTS (Out of Maxwell AFB, AL (PNQS)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	95	0	0	0	95
Enlisted	0	0	374	0	0	0	374
Students	0	0	0	0	0	0	0
Civilians	0	0	370	0	0	0	370
TOTAL	0	0	839	0	0	0	839

839
434
1273

SCENARIO POSITION CHANGES FOR: Maxwell AFB, AL (PNQS)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	-52	0	0	0	-52
Enlisted	0	0	-203	0	0	0	-203
Civilians	0	0	-179	0	0	0	-179
TOTAL	0	0	-434	0	0	0	-434

34% reduction

Elimination

BASE POPULATION (After BRAC Action) FOR: Maxwell AFB, AL (PNQS)

Officers	Enlisted	Students	Civilians
1,039	1,479	1,037	1,677

PERSONNEL SUMMARY FOR: Hanscom AFB, MA (MXRD)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: Hanscom AFB, MA (MXRD)

Officers	Enlisted	Students	Civilians
767	513	0	1,509

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COBRA PERSONNEL SUMMARY REPORT (COBRA v6.10) - Page 4
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

PERSONNEL REALIGNMENTS:

From Base: Wright-Patterson AFB, OH (ZHTV)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	34	0	0	0	34
Enlisted	0	0	5	0	0	0	5
Students	0	0	0	0	0	0	0
Civilians	0	0	359	0	0	0	359
TOTAL	0	0	398	0	0	0	398

398
44
839
1281

From Base: Lackland AFB, TX (MPLS)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	8	0	0	0	8
Enlisted	0	0	2	0	0	0	2
Students	0	0	0	0	0	0	0
Civilians	0	0	34	0	0	0	34
TOTAL	0	0	44	0	0	0	44

From Base: Maxwell AFB, AL (PNQS)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	95	0	0	0	95
Enlisted	0	0	374	0	0	0	374
Students	0	0	0	0	0	0	0
Civilians	0	0	370	0	0	0	370
TOTAL	0	0	839	0	0	0	839

TOTAL PERSONNEL REALIGNMENTS (Into Hanscom AFB, MA (MXRD)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	137	0	0	0	137
Enlisted	0	0	381	0	0	0	381
Students	0	0	0	0	0	0	0
Civilians	0	0	763	0	0	0	763
TOTAL	0	0	1,281	0	0	0	1,281

SCENARIO POSITION CHANGES FOR: Hanscom AFB, MA (MXRD)

	2006	2007	2008	2009	2010	2011	Total
Officers	11	0	0	0	0	0	11
Enlisted	30	0	0	0	0	0	30
Civilians	61	0	0	0	0	0	61
TOTAL	102	0	0	0	0	0	102

BASE POPULATION (After BRAC Action) FOR: Hanscom AFB, MA (MXRD)

Officers	Enlisted	Students	Civilians
915	924	0	2,333

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COBRA SUSTAINMENT/RECAP/BOS/HOUSING CHANGE REPORT (COBRA v6.10)
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Net Change($K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	-54	1,416	-1,015	-1,015	-1,015	-1,015	-2,700	-1,015
Recap Change	-113	892	-538	-538	-538	-538	-1,374	-538
BOS Change	-369	-369	1,107	1,107	1,107	1,107	3,690	1,107
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	-537	1,939	-447	-447	-447	-447	-385	-447

Wright-Patterson AFB, OH (ZHTV)

Net Change($K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	-171	-171	-503	-503	-503	-503	-2,353	-503
Recap Change	-193	-193	-567	-567	-567	-567	-2,657	-567
BOS Change	-1,094	-1,094	-3,208	-3,208	-3,208	-3,208	-15,020	-3,208
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	-1,459	-1,459	-4,278	-4,278	-4,278	-4,278	-20,030	-4,278

Lackland AFB, TX (MPLS)

Net Change($K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	0	0	0	0	0	0	0
Recap Change	0	0	0	0	0	0	0	0
BOS Change	-30	-30	-165	-165	-165	-165	-721	-165
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	-30	-30	-165	-165	-165	-165	-721	-165

Maxwell AFB, AL (PNQS)

Net Change($K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	0	-2,100	-2,100	-2,100	-2,100	-8,401	-2,100
Recap Change	0	0	-1,056	-1,056	-1,056	-1,056	-4,224	-1,056
BOS Change	0	0	-5,768	-5,768	-5,768	-5,768	-23,073	-5,768
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	0	-8,924	-8,924	-8,924	-8,924	-35,698	-8,924

Hanscom AFB, MA (MXRD)

Net Change($K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	117	1,587	1,587	1,587	1,587	1,587	8,054	1,587
Recap Change	80	1,085	1,085	1,085	1,085	1,085	5,507	1,085
BOS Change	756	756	10,248	10,248	10,248	10,248	42,504	10,248
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	953	3,428	12,921	12,921	12,921	12,921	56,065	12,921

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COBRA INPUT DATA REPORT (COBRA v6.10)
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 2006
Model does Time-Phasing of Construction/Shutdown: Yes

Base Name, ST (Code)	Strategy:
Wright-Patterson AFB, OH (ZHTV)	Realignment
Lackland AFB, TX (MPLS)	Realignment
Maxwell AFB, AL (PNQS)	Realignment
Hanscom AFB, MA (MXRD)	Realignment

INPUT SCREEN TWO - DISTANCE TABLE
(Only shows distances where personnel or equipment are moving)

Point A:	Point B:	Distance:
Wright-Patterson AFB, OH (ZHTV)	Hanscom AFB, MA (MXRD)	808 mi
Lackland AFB, TX (MPLS)	Hanscom AFB, MA (MXRD)	2,005 mi
Maxwell AFB, AL (PNQS)	Hanscom AFB, MA (MXRD)	1,237 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from Wright-Patterson AFB, OH (ZHTV) to Hanscom AFB, MA (MXRD)

	2006	2007	2008	2009	2010	2011
Officer Positions:	0	0	34	0	0	0
Enlisted Positions:	0	0	5	0	0	0
Civilian Positions:	0	0	359	0	0	0
Student Positions:	0	0	0	0	0	0
NonVeh Missn Eqpt(tons):	32	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

Transfers from Lackland AFB, TX (MPLS) to Hanscom AFB, MA (MXRD)

	2006	2007	2008	2009	2010	2011
Officer Positions:	0	0	8	0	0	0
Enlisted Positions:	0	0	2	0	0	0
Civilian Positions:	0	0	34	0	0	0
Student Positions:	0	0	0	0	0	0
NonVeh Missn Eqpt(tons):	50	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

DCN:11659

COBRA INPUT DATA REPORT (COBRA v6.10) - Page 2
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from Maxwell AFB, AL (PNQS) to Hanscom AFB, MA (MXRD)

	2006	2007	2008	2009	2010	2011
Officer Positions:	0	0	95	0	0	0
Enlisted Positions:	0	0	374	0	0	0
Civilian Positions:	0	0	370	0	0	0
Student Positions:	0	0	0	0	0	0
NonVeh Missn Eqpt(tons):	29	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: Wright-Patterson AFB, OH (ZHTV)

Total Officer Employees:	2,388	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	2,528	Total Sustainment($K/Year):	54,802
Total Student Employees:	28	Sustain Payroll ($K/Year):	25,257
Total Civilian Employees:	10,941	BOS Non-Payroll ($K/Year):	100,469
Accomp Mil not Receiving BAH:	10.8%	BOS Payroll ($K/Year):	89,138
Officer Housing Units Avail:	0	Family Housing ($K/Year):	4,895
Enlisted Housing Units Avail:	0	Installation PRV($K):	4,036,564
Starting Facilities(KSF):	13,341	Svc/Agcy Recap Rate (Years):	121
Officer BAH ($/Month):	1,081	Homeowner Assistance Program:	Yes
Enlisted BAH ($/Month):	704		
Civ Locality Pay Factor:	1.120		
Area Cost Factor:	0.96		
Per Diem Rate ($/Day):	107		
Freight Cost ($/Ton/Mile):	0.44		
Vehicle Cost ($/Lift/Mile):	4.84		
Latitude:	39.820750		
Longitude:	-84.035764		

TRICARE	In-Pat Admits	Out-Pat Visits	Prescrip
CostFactor	5,767.77	89.23	14.74
Actv MTF	1,247	139,459	138,428
Actv Purch	308	20,005	
Retiree	974	116,340	311,049
Retiree65+	1,093	59,819	310,106

Name: Lackland AFB, TX (MPLS)

Total Officer Employees:	2,207	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	7,232	Total Sustainment($K/Year):	37,220
Total Student Employees:	6,026	Sustain Payroll ($K/Year):	34,577
Total Civilian Employees:	5,254	BOS Non-Payroll ($K/Year):	72,617
Accomp Mil not Receiving BAH:	10.7%	BOS Payroll ($K/Year):	71,282
Officer Housing Units Avail:	0	Family Housing ($K/Year):	5,812
Enlisted Housing Units Avail:	0	Installation PRV($K):	1,815,512
Starting Facilities(KSF):	6,210	Svc/Agcy Recap Rate (Years):	121
Officer BAH ($/Month):	1,138	Homeowner Assistance Program:	Yes
Enlisted BAH ($/Month):	918		
Civ Locality Pay Factor:	1.109		
Area Cost Factor:	0.90		
Per Diem Rate ($/Day):	138		
Freight Cost ($/Ton/Mile):	0.27		
Vehicle Cost ($/Lift/Mile):	4.84		
Latitude:	29.385043		
Longitude:	-98.626672		

TRICARE	In-Pat Admits	Out-Pat Visits	Prescrip
CostFactor	7,942.68	106.85	18.90
Actv MTF	8,002	461,642	349,599
Actv Purch	229	44,930	
Retiree	3,902	191,102	335,454
Retiree65+	3,959	160,589	428,177

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COBRA INPUT DATA REPORT (COBRA v6.10) - Page 3
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: Maxwell AFB, AL (PNQS)

Total Officer Employees:	1,186	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	2,056	Total Sustainment($K/Year):	17,534
Total Student Employees:	1,037	Sustain Payroll ($K/Year):	997
Total Civilian Employees:	2,226	BOS Non-Payroll ($K/Year):	43,214
Accomp Mil not Receiving BAH:	27.8%	BOS Payroll ($K/Year):	22,276
Officer Housing Units Avail:	0	Family Housing ($K/Year):	6,167
Enlisted Housing Units Avail:	0	Installation PRV($K):	1,006,130
Starting Facilities(KSF):	3,496	Svc/Agcy Recap Rate (Years):	121
Officer BAH ($/Month):	1,137	Homeowner Assistance Program:	Yes
Enlisted BAH ($/Month):	776		
Civ Locality Pay Factor:	1.109		
Area Cost Factor:	0.81		
Per Diem Rate ($/Day):	100		
Freight Cost ($/Ton/Mile):	0.16		
Vehicle Cost ($/Lift/Mile):	4.84		
Latitude:	32.382399		
Longitude:	-86.356860		

TRICARE	In-Pat Admits	Out-Pat Visits	Prescrip
CostFactor	3,263.93	91.12	0.48
Actv MTF	0	74,052	98,167
Actv Purch	1,008	44,653	
Retiree	0	23,633	128,718
Retiree65+	0	2,324	144,502

Name: Hanscom AFB, MA (MXRD)

Total Officer Employees:	767	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	513	Total Sustainment($K/Year):	14,142
Total Student Employees:	0	Sustain Payroll ($K/Year):	561
Total Civilian Employees:	1,509	BOS Non-Payroll ($K/Year):	43,134
Accomp Mil not Receiving BAH:	69.7%	BOS Payroll ($K/Year):	24,130
Officer Housing Units Avail:	0	Family Housing ($K/Year):	9,278
Enlisted Housing Units Avail:	0	Installation PRV($K):	1,066,441
Starting Facilities(KSF):	3,292	Svc/Agcy Recap Rate (Years):	121
Officer BAH ($/Month):	2,215	Homeowner Assistance Program:	No
Enlisted BAH ($/Month):	1,835		
Civ Locality Pay Factor:	1.170		
Area Cost Factor:	1.16		
Per Diem Rate ($/Day):	243		
Freight Cost ($/Ton/Mile):	0.37		
Vehicle Cost ($/Lift/Mile):	4.84		
Latitude:	42.459953		
Longitude:	-71.277800		

TRICARE	In-Pat Admits	Out-Pat Visits	Prescrip
CostFactor	5,930.73	148.82	24.16
Actv MTF	0	23,094	33,628
Actv Purch	464	34,601	
Retiree	0	4,411	24,917
Retiree65+	0	511	50,184

COBRA INPUT DATA REPORT (COBRA v6.10) - Page 4
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated lapr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: Wright-Patterson AFB, OH (ZHTV)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misn Contract Start($K):	0	0	0	0	0	0
Misn Contract Term ($K):	0	0	0	0	0	0
Supt Contract Term ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
One-Time IT Costs ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0

MTF Closure Action: None Fac ShDn(KSF): 227 FH ShDn: 0.000%

Name: Lackland AFB, TX (MPLS)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misn Contract Start($K):	0	0	0	0	0	0
Misn Contract Term ($K):	0	0	0	0	0	0
Supt Contract Term ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
One-Time IT Costs ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0

MTF Closure Action: None Fac ShDn(KSF): 0 FH ShDn: 0.000%

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COBRA INPUT DATA REPORT (COBRA v6.10) - Page 5
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: Maxwell AFB, AL (PNQS)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misn Contract Start($K):	0	0	0	0	0	0
Misn Contract Term ($K):	0	0	0	0	0	0
Supt Contract Term ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
One-Time IT Costs ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0

MTF Closure Action: None Fac ShDn(KSF): 444 FH ShDn: 0.000%

Name: Hanscom AFB, MA (MXRD)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost ($K):	0	0	22,810	0	15,472	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	16,309	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	486	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misn Contract Start($K):	0	0	0	0	0	0
Misn Contract Term ($K):	0	0	0	0	0	0
Supt Contract Term ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
One-Time IT Costs ($K):	8,969	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0

MTF Closure Action: None Fac ShDn(KSF): 0 FH ShDn: 0.000%

22,810 x 11% = 2,509,000 amount for 141 transfer from Maxwell

15,472 x 11% = 1,702,000 amount for 141 transfer from Maxwell

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COBRA INPUT DATA REPORT (COBRA v6.10) - Page 6
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: Wright-Patterson AFB, OH (ZHTV)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	-20	0	0	0	0	0
Enl Scenario Change:	-3	0	0	0	0	0
Civ Scenario Change:	-183	0	0	0	0	0
Off Prog nonBRAC Change:	0	0	0	0	0	0
Enl Prog nonBRAC Change:	0	0	0	0	0	0
Civ Prog nonBRAC Change:	0	0	0	0	0	0
Stu Prog nonBRAC Change:	0	0	0	0	0	0
Prog FH Privatization:	100%	0%	0%	0%	0%	0%

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: Lackland AFB, TX (MPLS)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	-2	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	-8	0	0	0	0	0
Off Prog nonBRAC Change:	0	0	0	0	0	0
Enl Prog nonBRAC Change:	0	0	0	0	0	0
Civ Prog nonBRAC Change:	0	0	0	0	0	0
Stu Prog nonBRAC Change:	0	0	0	0	0	0
Prog FH Privatization:	100%	0%	0%	0%	0%	0%

Name: Maxwell AFB, AL (PNQS)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	-52	0	0	0
Enl Scenario Change:	0	0	-203	0	0	0
Civ Scenario Change:	0	0	-179	0	0	0
Off Prog nonBRAC Change:	0	0	0	0	0	0
Enl Prog nonBRAC Change:	0	0	0	0	0	0
Civ Prog nonBRAC Change:	0	0	0	0	0	0
Stu Prog nonBRAC Change:	0	0	0	0	0	0
Prog FH Privatization:	100%	0%	0%	0%	0%	0%

52
203
179
434

Name: Hanscom AFB, MA (MXRD)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	11	0	0	0	0	0
Enl Scenario Change:	30	0	0	0	0	0
Civ Scenario Change:	61	0	0	0	0	0
Off Prog nonBRAC Change:	0	0	0	0	0	0
Enl Prog nonBRAC Change:	0	0	0	0	0	0
Civ Prog nonBRAC Change:	0	0	0	0	0	0
Stu Prog nonBRAC Change:	0	0	0	0	0	0
Prog FH Privatization:	100%	0%	0%	0%	0%	0%

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COBRA INPUT DATA REPORT (COBRA v6.10) - Page 7
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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

INPUT SCREEN SEVEN - BASE MILITARY CONSTRUCTION INFORMATION

Name: Hanscom AFB, MA (MXRD)

FAC	UM	New MilCon	Rehab MilCon	TotCost($K)	FPG Con CF	FPG Sust CF
2172	SF	15,000	0 Default	6,750	147.68	2.01
3171	SF	30,000	0 Default	9,000	193.57	2.72
6100	SF	570,292	0 Default	115,575	138.78	2.52

STANDARD FACTORS SCREEN ONE - PERSONNEL 134,325

SF File Descrip:

Perc Officers Accompanied:	72.00%	Priority Placement Program:	39.97%
Perc Enlisted Accompanied:	55.00%	PPP Actions Involving PCS:	50.70%
Officer Salary($/Year):	124,971.93	Civilian PCS Costs ($):	35,496.00
Enlisted Salary($/Year):	82,399.09	Home Sale Reimburse Rate:	10.00%
Civilian Salary($/Year):	59,959.18	Max Home Sale Reimburs($):	50,000.00
Avg Unemploy Cost($/Week):	272.90	Home Purch Reimburse Rate:	5.00%
Unemployment Eligibility(Weeks):	16	Max Home Purch Reimburs($):	25,000.00
Civilians Not Willing To Move:	6.00%	Civilian Homeowning Rate:	68.40%
Civilian Turnover Rate:	9.16%	HAP Home Value Reimburse Rate:	13.46%
Civilian Early Retire Rate:	8.10%	HAP Homeowner Receiving Rate:	18.44%
Civilian Regular Retire Rate:	1.67%	RSE Home Value Reimburse Rate:	0.00%
Civilian RIF Pay Factor:	86.32%	RSE Homeowner Receiving Rate:	0.00%
Civ Early Retire Pay Factor:	18.03%		

STANDARD FACTORS SCREEN TWO - FACILITIES

	Army	Navy	Air Force	Marines
Service Sustainment Rate	87.00%	93.00%	92.00%	97.00%
Unit Cost Adjustment (BOS)	10332.00	8879.00	3032.00	3904.00

Program Management Factor:	10.00	MilCon Site Prep Cost ($/SF):	0.74
Mothball (Close) ($/SF):	0.18	MilCon Contingency Plan Rate:	5.00%
Mothball (Deac/Realn) ($/SF):	0.45	MilCon Design Rate (Medical):	13.00%
Rehab vs. MilCon (Default):	47.00%	MilCon Design Rate (Other):	9.00%
Rehab vs. MilCon (Red):	64.00%	MilCon SIOH Rate:	6.00%
Rehab vs. MilCon (Amber):	29.00%	Discount Rate for NPV/Payback:	2.80%

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Mil (Lb):	710	Storage-In-Transit ($/Pers):	373.76
HHG Per Off Accomp (Lb):	15,290.00	POV Reimburse($/Mile):	0.20
HHG Per Enl Accomp (Lb):	9,204.00	Air Transport ($/Pass Mile):	0.20
HHG Per Off Unaccomp (Lb):	13,712.00	IT Connect ($/Person):	200.00
HHG Per Enl Unaccomp (Lb):	6,960.00	Misc Exp($/Direct Employee):	1,000.00
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Months):	30.02
Total HHG Cost ($/100Lb):	8.78	One-Time Off PCS Cost($):	10,477.58
Equip Pack & Crate($/Ton):	180.67	One-Time Enl PCS Cost($):	3,998.52

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Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated lapr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

FOOTNOTES FOR SCREEN ONE
==========
Realign Wright-Patterson Air Force Base, OH, Maxwell Air Force Base, AL, and Lackland Air Force Base, TX, by relocating Air & Space Information Systems Research and Development & Acquisition to Hanscom Air Force Base, MA. Realign Eglin Air Force Base, FL, by relocating Air & Space Sensors, Electronic Warfare & Electronics and Information Systems Test & Evaluation to Edwards Air Force Base, CA.

Source Files:
1. TECH 0042 p7 USAF Complete 4 Jan 2005
2. Assumptions 5 Jan 2005 Approved TJCSG Telecon
3. Assumptions 10 Jan 2005 Approved TJCSG Telecon
4. Reduction Distribution (Dtd 31 Mar 05)
5. (Lackland tonnage file) SDD from USAF
6. TJCSG Telecon Minutes dtd 30Mar2005
7. TECH-0042p7with Hanscom CE(1).xls
8. OSD Database Question 3013
9. USAF document JS-609

Source file 2 eliminated Rome Laboratory from scenario subsequent to the receipt of source file 1.
Source file 2 eliminated Brooks City-Base from scenario subsequent to the receipt of source file 1.
Source file 3 eliminated NAS PATUXENT River from scenario.

FOOTNOTES FOR SCREEN THREE
==========
LACKLAND
Source file 1 identified 9 officers, 2 listed, and 40 civilian moved to Hanscom. 1166 tons unitemized mission eqp.
Assumptions
Source file 3 directed elimination of 7 personnel.
Source file 4 distributed the elimination proportionally across officer, enlisted and civilian. Officers by 1, Enlisted by 0, and Civilian by 6.
Source file 5 adjusted non-vehicle mission tonnage to 50.

Wright Pat
Source file 1 identified 50 officers, 7 listed, and 521 civilians moved to Hanscom. 32 tons unitemized non-vehicle mission eqp.
Assumptions
Source file 3 directed elimination of 180 personnel.
Source file 4 distributed the elimination proportionally across officer, enlisted and civilian. Officer's by 16, Enlisted by 2, and Civilian by 162.

Maxwell
Source file 1 identified 135 officers, 534 listed, and 528 civilians moved to Hanscom. 29 tons unitemized non-vehicle mission eqp.

Assumptions
Source file 6 approved the application of a 30% reduction.

FOOTNOTES FOR SCREEN FIVE
==========
Hanscom
Source file 1 identified:
One time unique cost
$72,481K associated with milcon proposed in screen 7 (infrastructure upgrade & furniture)

One time moving cost
$292,890K (Ron explain)

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Environ non-milcon
$250K unitemized

One time IT cost
$8,969K

Maxwell
Source File 8 identifed 443.982KSF available for Facility Closure

Wright Patterson AFB
Source File 9 identifed 226.956KSF available for Facility Closure

Assumptions
Source file 3 eliminated $276,581 of one time move cost with the elimination of Rome.
USAF criteria 8 response adjusted environ to $486K.
Source file 7 updated Source File 1 to accomadate the changes to the Scenario.

FOOTNOTES FOR SCREEN SIX
==========
Lackland
Source file 1 identified reductions Officer's by 1, Enlisted by 0, Civilian by 2.
Assumptions
Source file 3 directed elimination of 7 personnel.
Source file 4 distributed the elimination proportionally across officer, enlisted and civilian. Officers by 1, Enlisted by 0, and Civilian by 2.

Maxwell
Source file 1 identified reductions Officer's by 11, Enlisted by 43, Civilian by 21
Assumptions
Source file 3 directed elimination of 85 personnel.
Source file 4 distributed the elimination proportionally across officer, enlisted and civilian. Officers by 10, Enlisted by 38, and Civilian by 37.

Wright Pat
Source file 1 identified reductions Officer's by 16, Enlisted by 2, Civilian by 162
Assumptions
Source file 3 directed elimination of 180 personnel.
Source file 4 distributed the elimination proportionally across officer, enlisted and civilian. Officers by 16, Enlisted by 2, and Civilian by 162.

Hanscom
Source file 1 identified an increase of officers by 21, enlisted by 46, civilian by 69
Assumption:
Source File 4 applied the Air Force 8% factor to identified personnel being moved into Hanscom.

FOOTNOTES FOR SCREEN SEVEN
==========
Source file 1 identified multiple facilities associated with either mission activities or support infrastructure.
Source file 7 adjusted Source file 1 to accomodate scenario changes.

Assumptions

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COBRA ECONOMIC IMPACT REPORT (COBRA v6.10)
Data As Of 4/20/2005 4:42:23 PM, Report Created 6/22/2005 4:40:38 PM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\asack\Desktop\Cobra\J1 - C4ISR RDAT&E Tech042pt7_scrubbed_updated 1apr
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\asack\Desktop\Cobra\BRAC2005.SFF

Wright-Patterson AFB, OH (ZHTV)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	0	0	0	0	0
Jobs Lost-Mil	23	0	39	0	0	0	62
NET CHANGE-Mil	-23	0	-39	0	0	0	-62
Jobs Gained-Civ	0	0	0	0	0	0	0
Jobs Lost-Civ	183	0	359	0	0	0	542
NET CHANGE-Civ	-183	0	-359	0	0	0	-542
Jobs Gained-Stu	0	0	0	0	0	0	0
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	0	0	0	0	0

Lackland AFB, TX (MPLS)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	0	0	0	0	0
Jobs Lost-Mil	2	0	10	0	0	0	12
NET CHANGE-Mil	-2	0	-10	0	0	0	-12
Jobs Gained-Civ	0	0	0	0	0	0	0
Jobs Lost-Civ	8	0	34	0	0	0	42
NET CHANGE-Civ	-8	0	-34	0	0	0	-42
Jobs Gained-Stu	0	0	0	0	0	0	0
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	0	0	0	0	0

Maxwell AFB, AL (PNQS)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	0	0	0	0	0
Jobs Lost-Mil	0	0	724	0	0	0	724
NET CHANGE-Mil	0	0	-724	0	0	0	-724
Jobs Gained-Civ	0	0	0	0	0	0	0
Jobs Lost-Civ	0	0	549	0	0	0	549
NET CHANGE-Civ	0	0	-549	0	0	0	-549
Jobs Gained-Stu	0	0	0	0	0	0	0
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	0	0	0	0	0

1273 baseline

Hanscom AFB, MA (MXRD)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	41	0	518	0	0	0	559
Jobs Lost-Mil	0	0	0	0	0	0	0
NET CHANGE-Mil	41	0	518	0	0	0	559
Jobs Gained-Civ	61	0	763	0	0	0	824
Jobs Lost-Civ	0	0	0	0	0	0	0
NET CHANGE-Civ	61	0	763	0	0	0	824
Jobs Gained-Stu	0	0	0	0	0	0	0
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	0	0	0	0	0

DCN:11659

TECH-6

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 1/2
Data As Of 5/5/2005 8:05:06 AM, Report Created 5/5/2005 8:05:08 AM

Department : Technical JCSG
Scenario File : Z:\COBRA Database\TECH-0042\TECH-0042 Part 8\6.10\5 May update\J2 - C4ISR RDAT&E Consolidation_no_Holloman_Environmental_scrubbed_(6.10)_5May05.CBR
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

Starting Year : 2006
Final Year : 2006
Payback Year : 2009 (3 Years)

NPV in 2025($K): -8,952
1-Time Cost($K): 1,995

Net Costs in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	-246	-1,110	-1,110	-1,110	-1,110	-1,110	-5,798	-1,110
Overhd	303	225	225	225	225	225	1,429	225
Moving	1,370	0	0	0	0	0	1,370	0
Missio	0	0	0	0	0	0	0	0
Other	266	193	143	143	143	143	1,032	143
TOTAL	1,693	-692	-742	-742	-742	-742	-1,967	-742

	2006	2007	2008	2009	2010	2011	Total
POSITIONS ELIMINATED							
Off	5	0	0	0	0	0	5
Enl	0	0	0	0	0	0	0
Civ	8	0	0	0	0	0	8
TOT	13	0	0	0	0	0	13
POSITIONS REALIGNED							
Off	20	0	0	0	0	0	20
Enl	3	0	0	0	0	0	3
Stu	0	0	0	0	0	0	0
Civ	42	0	0	0	0	0	42
TOT	65	0	0	0	0	0	65

Eglin to Edwards transfers and elimination

Summary:

Realign Wright-Patterson Air Force Base, OH, Maxwell Air Force Base, AL, and Lackland Air Force Base, TX, by relocating Air & Space Information Systems Research and Development & Acquisition to Hanscom Air Force Base, MA. Realign Eglin Air Force Base, FL, by relocating Air & Space Sensors, Electronic Warfare & Electronics and Information Systems Test & Evaluation to Edwards Air Force Base, CA.

Based on Assumptions approved by the TJCSG on 5 Jan 2005:

Elimiinate Patuxent River from scenario, as they invoked the "Maritime exclusion" and reported no positions to move. All work will be addressed by the Navy in Part 2 of TECH-0008/0042

Source Files:
1. TECH 0042 p8 USAF Complete 28 Dec 2004
2. Assumptions 5 Jan 2005 Approved TJCSG Telecon
3. Assumptions 10 Jan 2005 Approved TJCSG Telecon
4. Reduction Distribution (dtd 31 Mar 2005)
5. (Lackland tonnage file)SDD from USAF
6. Elimination of Holloman AFB

65
13
78

16.67%

Source file 3 eliminated NAS PATUXENT River from scenario.
Source file 6 eliminated Holloman AFB from scenario.

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 2/2
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

Costs in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	567	281	281	281	281	281	1,970	281
Overhd	640	562	562	562	562	562	3,453	562
Moving	1,459	0	0	0	0	0	1,459	0
Missio	0	0	0	0	0	0	0	0
Other	266	193	143	143	143	143	1,032	143
TOTAL	2,932	1,037	987	987	987	987	7,915	987

Savings in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	813	1,391	1,391	1,391	1,391	1,391	7,768	1,391
Overhd	337	337	337	337	337	337	2,025	337
Moving	88	0	0	0	0	0	88	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	1,239	1,729	1,729	1,729	1,729	1,729	9,882	1,729

TOTAL COBRA ONE-TIME COST REPORT (COBRA v6.10) - Page 1/3
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Scenario File : Z:\COBRA Database\TECH-0042\TECH-0042 Part 8\6.10\5 May update\J2 - C4ISR RDAT&E Consolidation_no_Holloman_Environmental_scrubbed_(6.10)_5May05.CBR
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(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	172,195	
Civilian Early Retirement	47,956	
Eliminated Military PCS	52,388	
Unemployment	13,353	
Total - Personnel		285,892
Overhead		
Program Management Cost	77,925	
Support Contract Termination	0	
Mothball / Shutdown	0	
Total - Overhead		77,925
Moving		
Civilian Moving	1,171,282	
Civilian PPP	70,992	
Military Moving	168,811	
Freight	36,484	
Information Technologies	11,400	
One-Time Moving Costs	0	
Total - Moving		1,458,969
Other		
HAP / RSE	122,697	
Environmental Mitigation Costs	50,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		172,697
Total One-Time Costs		1,995,483
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	88,560	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		88,560
Total Net One-Time Costs		1,906,923

COBRA ONE-TIME COST REPORT (COBRA v6.10) - Page 2/3
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Option Pkg Name: C4ISR RDAT&E Consolidation
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Base: Eglin AFB, FL (FTFA)
(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	172,195	
Civilian Early Retirement	47,956	
Eliminated Military PCS	52,388	
Unemployment	13,353	
Total - Personnel		285,892
Overhead		
Program Management Cost	77,925	
Support Contract Termination	0	
Mothball / Shutdown	0	
Total - Overhead		77,925
Moving		
Civilian Moving	1,171,282	
Civilian PPP	70,992	
Military Moving	168,811	
Freight	36,484	
Information Technologies	11,400	
One-Time Moving Costs	0	
Total - Moving		1,458,969
Other		
HAP / RSE	122,697	
Environmental Mitigation Costs	0	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		122,697
Total One-Time Costs		1,945,483
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	88,560	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		88,560
Total Net One-Time Costs		1,856,923

COBRA ONE-TIME COST REPORT (COBRA v6.10) - Page 3/3
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

Base: Edwards AFB, CA (FSPM)
(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Management Cost	0	
Support Contract Termination	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPP	0	
Military Moving	0	
Freight	0	
Information Technologies	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	50,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		50,000
Total One-Time Costs		50,000
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		50,000

COBRA TOTAL PERSONNEL SUMMARY REPORT (COBRA v6.10)
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Department : Technical JCSG
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

TOTAL SCENARIO POPULATION (FY 2005, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
1,942	8,926	132	6,597

TOTAL PERSONNEL REALIGNMENTS, ENTIRE SCENARIO):

	2006	2007	2008	2009	2010	2011	Total
Officers	20	0	0	0	0	0	20
Enlisted	3	0	0	0	0	0	3
Students	0	0	0	0	0	0	0
Civilians	42	0	0	0	0	0	42
TOTAL	65	0	0	0	0	0	65

TOTAL SCENARIO POSITION CHANGES, ENTIRE SCENARIO:

	2006	2007	2008	2009	2010	2011	Total
Officers	-5	0	0	0	0	0	-5
Enlisted	0	0	0	0	0	0	0
Civilians	-8	0	0	0	0	0	-8
TOTAL	-13	0	0	0	0	0	-13

TOTAL SCENARIO POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
1,937	8,926	132	6,589

COBRA PERSONNEL SUMMARY REPORT (COBRA v6.10) - Page 2
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PERSONNEL SUMMARY FOR: Eglin AFB, FL (FTFA)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: Eglin AFB, FL (FTFA)

Officers	Enlisted	Students	Civilians
1,369	6,513	132	3,718

PERSONNEL REALIGNMENTS:
To Base: Edwards AFB, CA (FSPM)

	2006	2007	2008	2009	2010	2011	Total
Officers	20	0	0	0	0	0	20
Enlisted	3	0	0	0	0	0	3
Students	0	0	0	0	0	0	0
Civilians	42	0	0	0	0	0	42
TOTAL	65	0	0	0	0	0	65

TOTAL PERSONNEL REALIGNMENTS (Out of Eglin AFB, FL (FTFA)):

	2006	2007	2008	2009	2010	2011	Total
Officers	20	0	0	0	0	0	20
Enlisted	3	0	0	0	0	0	3
Students	0	0	0	0	0	0	0
Civilians	42	0	0	0	0	0	42
TOTAL	65	0	0	0	0	0	65

Eglin to Edwards

SCENARIO POSITION CHANGES FOR: Eglin AFB, FL (FTFA)

	2006	2007	2008	2009	2010	2011	Total
Officers	-5	0	0	0	0	0	-5
Enlisted	0	0	0	0	0	0	0
Civilians	-8	0	0	0	0	0	-8
TOTAL	-13	0	0	0	0	0	-13

BASE POPULATION (After BRAC Action) FOR: Eglin AFB, FL (FTFA)

Officers	Enlisted	Students	Civilians
1,344	6,510	132	3,668

PERSONNEL SUMMARY FOR: Edwards AFB, CA (FSPM)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: Edwards AFB, CA (FSPM)

Officers	Enlisted	Students	Civilians
573	2,413	0	2,879

PERSONNEL REALIGNMENTS:
From Base: Eglin AFB, FL (FTFA)

	2006	2007	2008	2009	2010	2011	Total
Officers	20	0	0	0	0	0	20
Enlisted	3	0	0	0	0	0	3
Students	0	0	0	0	0	0	0
Civilians	42	0	0	0	0	0	42
TOTAL	65	0	0	0	0	0	65

TOTAL PERSONNEL REALIGNMENTS (Into Edwards AFB, CA (FSPM)):

	2006	2007	2008	2009	2010	2011	Total
Officers	20	0	0	0	0	0	20
Enlisted	3	0	0	0	0	0	3
Students	0	0	0	0	0	0	0
Civilians	42	0	0	0	0	0	42
TOTAL	65	0	0	0	0	0	65

COBRA PERSONNEL SUMMARY REPORT (COBRA v6.10) - Page 3
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BASE POPULATION (After BRAC Action) FOR: Edwards AFB, CA (FSPM)

Officers	Enlisted	Students	Civilians
593	2,416	0	2,921

COBRA ECONOMIC IMPACT REPORT (COBRA v6.10)
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Option Pkg Name: C4ISR RDAT&E Consolidation
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Eglin AFB, FL (FTFA)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	0	0	0	0	0
Jobs Lost-Mil	28	0	0	0	0	0	28
NET CHANGE-Mil	-28	0	0	0	0	0	-28
Jobs Gained-Civ	0	0	0	0	0	0	0
Jobs Lost-Civ	50	0	0	0	0	0	50
NET CHANGE-Civ	-50	0	0	0	0	0	-50
Jobs Gained-Stu	0	0	0	0	0	0	0
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	0	0	0	0	0

Edwards AFB, CA (FSPM)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	23	0	0	0	0	0	23
Jobs Lost-Mil	0	0	0	0	0	0	0
NET CHANGE-Mil	23	0	0	0	0	0	23
Jobs Gained-Civ	42	0	0	0	0	0	42
Jobs Lost-Civ	0	0	0	0	0	0	0
NET CHANGE-Civ	42	0	0	0	0	0	42
Jobs Gained-Stu	0	0	0	0	0	0	0
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	0	0	0	0	0

SCENARIO ERROR REPORT (COBRA v6.10)

Data As Of 5/5/2005 8:05:06 AM, Report Created 5/5/2005 8:05:07 AM

Department : Technical JCSG
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

SCENARIO DATA:
"Technical JCSG" is not a recognized Department.

COBRA INPUT DATA REPORT (COBRA v6.10)
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Department : Technical JCSG
Scenario File : Z:\COBRA Database\TECH-0042\TECH-0042 Part 8\6.10\5 May update\J2 - C4ISR RDAT&E Consolidation_no_Holloman_Environmental_scrubbed_(6.10)_5May05.CBR
Option Pkg Name: C4ISR RDAT&E Consolidation
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INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 2006
Model does Time-Phasing of Construction/Shutdown: Yes

Base Name, ST (Code)	Strategy:
Eglin AFB, FL (FTFA)	Realignment
Edwards AFB, CA (FSPM)	Realignment

INPUT SCREEN TWO - DISTANCE TABLE
(Only shows distances where personnel or equipment are moving)

Point A:	Point B:	Distance:
Eglin AFB, FL (FTFA)	Edwards AFB, CA (FSPM)	2,073 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from Eglin AFB, FL (FTFA) to Edwards AFB, CA (FSPM)

	2006	2007	2008	2009	2010	2011
Officer Positions:	20	0	0	0	0	0
Enlisted Positions:	3	0	0	0	0	0
Civilian Positions:	42	0	0	0	0	0
Student Positions:	0	0	0	0	0	0
NonVeh Missn Eqpt(tons):	1	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: Eglin AFB, FL (FTFA)

Total Officer Employees:	1,369	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	6,513	Total Sustainment($K/Year):	29,179
Total Student Employees:	132	Sustain Payroll ($K/Year):	22,941
Total Civilian Employees:	3,718	BOS Non-Payroll ($K/Year):	63,878
Accomp Mil not Receiving BAH:	32.7%	BOS Payroll ($K/Year):	53,329
Officer Housing Units Avail:	0	Family Housing ($K/Year):	9,444
Enlisted Housing Units Avail:	0	Installation PRV($K):	2,416,517
Starting Facilities(KSF):	6,183	Svc/Agcy Recap Rate (Years):	121
Officer BAH ($/Month):	1,001	Homeowner Assistance Program:	Yes
Enlisted BAH ($/Month):	754		
Civ Locality Pay Factor:	1.109		
Area Cost Factor:	0.80		
Per Diem Rate ($/Day):	153		
Freight Cost ($/Ton/Mile):	0.27		
Vehicle Cost ($/Lift/Mile):	4.84		
Latitude:	30.483182		
Longitude:	-86.500627		

TRICARE	In-Pat Admits	Out-Pat Visits	Prescrip
CostFactor	5,031.93	98.16	25.74
Actv MTF	2,844	187,372	169,167
Actv Purch	350	31,048	
Retiree	819	70,242	226,053
Retiree65+	409	19,879	233,406

COBRA INPUT DATA REPORT (COBRA v6.10) - Page 2
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: Edwards AFB, CA (FSPM)

Total Officer Employees:	573	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	2,413	Total Sustainment($K/Year):	52,753
Total Student Employees:	0	Sustain Payroll ($K/Year):	15,620
Total Civilian Employees:	2,879	BOS Non-Payroll ($K/Year):	77,006
Accomp Mil not Receiving BAH:	70.3%	BOS Payroll ($K/Year):	51,106
Officer Housing Units Avail:	0	Family Housing ($K/Year):	17,057
Enlisted Housing Units Avail:	0	Installation PRV($K):	4,366,992
Starting Facilities(KSF):	6,586	Svc/Agcy Recap Rate (Years):	121
Officer BAH ($/Month):	1,022	Homeowner Assistance Program:	Yes
Enlisted BAH ($/Month):	821		
Civ Locality Pay Factor:	1.201		
Area Cost Factor:	1.28		
Per Diem Rate ($/Day):	157		
Freight Cost ($/Ton/Mile):	0.26		
Vehicle Cost ($/Lift/Mile):	4.84		
Latitude:	34.922388		
Longitude:	-117.887038		

TRICARE	In-Pat Admits	Out-Pat Visits	Prescrip
CostFactor	5,744.15	162.81	6.17
Actv MTF	0	34,976	43,491
Actv Purch	728	18,253	
Retiree	0	6,785	32,900
Retiree65+	0	531	25,167

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: Eglin AFB, FL (FTFA)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misn Contract Start($K):	0	0	0	0	0	0
Misn Contract Term ($K):	0	0	0	0	0	0
Supt Contract Term ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
One-Time IT Costs ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0

MTF Closure Action: None Fac ShDn(KSF): 0 FH ShDn: 0.000%

COBRA INPUT DATA REPORT (COBRA v6.10) - Page 3
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: Edwards AFB, CA (FSPM)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	50	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misn Contract Start($K):	0	0	0	0	0	0
Misn Contract Term ($K):	0	0	0	0	0	0
Supt Contract Term ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
One-Time IT Costs ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0

MTF Closure Action: None Fac ShDn(KSF): 0 FH ShDn: 0.000%

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: Eglin AFB, FL (FTFA)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	-5	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	-8	0	0	0	0	0
Off Prog nonBRAC Change:	0	0	0	0	0	0
Enl Prog nonBRAC Change:	0	0	0	0	0	0
Civ Prog nonBRAC Change:	0	0	0	0	0	0
Stu Prog nonBRAC Change:	0	0	0	0	0	0
Prog FH Privatization:	100%	0%	0%	0%	0%	0%

STANDARD FACTORS SCREEN ONE - PERSONNEL

SF File Descrip:

Perc Officers Accompanied:	72.00%	Priority Placement Program:	39.97%
Perc Enlisted Accompanied:	55.00%	PPP Actions Involving PCS:	50.70%
Officer Salary($/Year):	124,971.93	Civilian PCS Costs ($):	35,496.00
Enlisted Salary($/Year):	82,399.09	Home Sale Reimburse Rate:	10.00%
Civilian Salary($/Year):	59,959.18	Max Home Sale Reimburs($):	50,000.00
Avg Unemploy Cost($/Week):	272.90	Home Purch Reimburse Rate:	5.00%
Unemployment Eligibility(Weeks):	16	Max Home Purch Reimburs($):	25,000.00
Civilians Not Willing To Move:	6.00%	Civilian Homeowning Rate:	68.40%
Civilian Turnover Rate:	9.16%	HAP Home Value Reimburse Rate:	13.46%
Civilian Early Retire Rate:	8.10%	HAP Homeowner Receiving Rate:	18.44%
Civilian Regular Retire Rate:	1.67%	RSE Home Value Reimburse Rate:	0.00%
Civilian RIF Pay Factor:	86.32%	RSE Homeowner Receiving Rate:	0.00%
Civ Early Retire Pay Factor:	18.03%		

COBRA INPUT DATA REPORT (COBRA v6.10) - Page 4
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

STANDARD FACTORS SCREEN TWO - FACILITIES

	Army	Navy	Air Force	Marines
Service Sustainment Rate	87.00%	93.00%	92.00%	97.00%
Unit Cost Adjustment (BOS)	10332.00	8879.00	3032.00	3904.00

Program Management Factor:	10.00	MilCon Site Prep Cost ($/SF):	0.74
Mothball (Close) ($/SF):	0.18	MilCon Contingency Plan Rate:	5.00%
Mothball (Deac/Realn) ($/SF):	0.45	MilCon Design Rate (Medical):	13.00%
Rehab vs. MilCon (Default):	47.00%	MilCon Design Rate (Other):	9.00%
Rehab vs. MilCon (Red):	64.00%	MilCon SIOH Rate:	6.00%
Rehab vs. MilCon (Amber):	29.00%	Discount Rate for NPV/Payback:	2.80%

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Mil (Lb):	710	Storage-In-Transit ($/Pers):	373.76
HHG Per Off Accomp (Lb):	15,290.00	POV Reimburse($/Mile):	0.20
HHG Per Enl Accomp (Lb):	9,204.00	Air Transport ($/Pass Mile):	0.20
HHG Per Off Unaccomp (Lb):	13,712.00	IT Connect ($/Person):	200.00
HHG Per Enl Unaccomp (Lb):	6,960.00	Misc Exp($/Direct Employee):	1,000.00
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Months):	30.02
Total HHG Cost ($/100Lb):	8.78	One-Time Off PCS Cost($):	10,477.58
Equip Pack & Crate($/Ton):	180.67	One-Time Enl PCS Cost($):	3,998.52

COBRA INPUT DATA REPORT (COBRA v6.10) - Page 5
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

FOOTNOTES FOR SCREEN ONE
==========
Realign Wright-Patterson Air Force Base, OH, Maxwell Air Force Base, AL, and Lackland Air Force Base, TX, by relocating Air & Space Information Systems Research and Development & Acquisition to Hanscom Air Force Base, MA. Realign Eglin Air Force Base, FL, by relocating Air & Space Sensors, Electronic Warfare & Electronics and Information Systems Test & Evaluation to Edwards Air Force Base, CA.

Based on Assumptions approved by the TJCSG on 5 Jan 2005:

Elimiinate Patuxent River from scenario, as they invoked the "Maritime exclusion" and reported no positions to move. All work will be addressed by the Navy in Part 2 of TECH-0008/0042

Source Files:
1. TECH 0042 p8 USAF Complete 28 Dec 2004
2. Assumptions 5 Jan 2005 Approved TJCSG Telecon
3. Assumptions 10 Jan 2005 Approved TJCSG Telecon
4. Reduction Distribution (dtd 31 Mar 2005)
5. (Lackland tonnage file)SDD from USAF
6. Elimination of Holloman AFB

Source file 3 eliminated NAS PATUXENT River from scenario.
Source file 6 eliminated Holloman AFB from scenario.

FOOTNOTES FOR SCREEN THREE
==========
Source file 1 identified 23 officers, 3 enlisted, 48 civilian, and 1-ton non-vehicle mission eqp.
Assumptions
Source file 3 directed elimination of 13 personnel.
Source file 4 distributed the elimination proportionally across officer, enlisted and civilian. Officer's by 3, Enlisted by 0, and Civilian by 6.

FOOTNOTES FOR SCREEN FIVE
==========
Edwards
Source file 1 identified:
One time unique cost
$1,997K associated with milcon proposed in screen 7 (environment & furniture)
$335K without footnote cannot tie to milcon

One time moving cost removed as they are tied to Holloman.
$27M

One time IT cost.
$2,251K

Assumptions
Source file 3 disallowed all Edwards one time unique Costs due to No MILCON required.
Removed One Time IT Costs. They were for activities included in COBRA's allowance per person moved.
USAF criteria 8 response added environ of $50K.

FOOTNOTES FOR SCREEN SIX
==========
Eglin
Source file 1 identified reductions Officer's by 2, Enlisted by 0, Civilian by 2.
Assumptions

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Option Pkg Name: C4ISR RDAT&E Consolidation
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Source file 3 directed elimination of 13 personnel.
Source file 4 distributed the elimination proportionally across officer, enlisted and civilian. Officer's by 3, Enlisted by 0, and Civilian by 6.

Edwards
Source file 1 identified increase of Officer's by 4, Enlisted by 0, Civilian by 4.

FOOTNOTES FOR SCREEN SEVEN
==========
Source file 1 identified multiple facilities associated with either mission activities or support infrastructure.
Assumptions
Source file 3 eliminated mission facilities based on capacity analysis.
Source file 3 eliminated support infrastructure because it is premature to estimate any costs for increases to support infrastructure such as Child Care Facility additions, etc.

COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10)
Data As Of 5/5/2005 8:05:06 AM, Report Created 5/5/2005 8:05:07 AM

Department : Technical JCSG
Scenario File : Z:\COBRA Database\TECH-0042\TECH-0042 Part 8\6.10\5 May update\J2 - C4ISR RDAT&E Consolidation_no_Holloman_Environmental_scrubbed_(6.10)_5May05.CBR
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

Personnel

Base	Start*	Finish*	Change	%Change
Eglin AFB	11,732	11,654	-78	-1%
Edwards AFB	5,865	5,930	65	1%
TOTAL	17,597	17,584	-13	0%

Square Footage

Base	Start	Finish	Change	%Change	Chg/Per
Eglin AFB	6,183,000	6,183,000	0	0%	0
Edwards AFB	6,586,000	6,586,000	0	0%	0
TOTAL	12,769,000	12,769,000	0	0%	0

Base Operations Support (2005$)

Base	Start*	Finish*	Change	%Change	Chg/Per
Eglin AFB	63,877,931	63,540,456	-337,475	-1%	4,327
Edwards AFB	77,005,624	77,568,214	562,590	1%	8,655
TOTAL	140,883,555	141,108,670	225,115	0%	-17,316

Sustainment (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Eglin AFB	6,238,251	6,238,251	0	0%	0
Edwards AFB	37,133,089	37,133,089	0	0%	0
TOTAL	43,371,340	43,371,340	0	0%	0

Recapitalization (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Eglin AFB	19,971,215	19,971,215	0	0%	0
Edwards AFB	36,090,844	36,090,844	0	0%	0
TOTAL	56,062,059	56,062,059	0	0%	0

Sustain + Recap + BOS (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Eglin AFB	90,087,397	89,749,922	-337,475	0%	4,327
Edwards AFB	150,229,557	150,792,147	562,590	0%	8,655
TOTAL	240,316,954	240,542,070	225,115	0%	-17,316

Plant Replacement Value (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Eglin AFB	2,416,517,034	2,416,517,034	0	0%	0
Edwards AFB	4,366,992,157	4,366,992,157	0	0%	0
TOTAL	6,783,509,191	6,783,509,191	0	0%	0

COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10) - Page 2
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

* "Start" and "Finish" values for Personnel and BOS both include the Programmed Installation Population (non-BRAC) Changes, so that only changes attributable to the BRAC action are reflected in the "Change" columns of this report.

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 1/9
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	172	0	0	0	0	0	172
Civ Retire	48	0	0	0	0	0	48
CIV MOVING							
Per Diem	192	0	0	0	0	0	192
POV Miles	14	0	0	0	0	0	14
Home Purch	354	0	0	0	0	0	354
HHG	219	0	0	0	0	0	219
Misc	34	0	0	0	0	0	34
House Hunt	150	0	0	0	0	0	150
PPP	71	0	0	0	0	0	71
RITA	208	0	0	0	0	0	208
FREIGHT							
Packing	3	0	0	0	0	0	3
Freight	33	0	0	0	0	0	33
Vehicles	0	0	0	0	0	0	0
Unemployment	13	0	0	0	0	0	13
OTHER							
Info Tech	11	0	0	0	0	0	11
Prog Manage	78	0	0	0	0	0	78
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	21	0	0	0	0	0	21
POV Miles	9	0	0	0	0	0	9
HHG	115	0	0	0	0	0	115
Misc	23	0	0	0	0	0	23
OTHER							
Elim PCS	52	0	0	0	0	0	52
OTHER							
HAP / RSE	123	0	0	0	0	0	123
Environmental	0	50	0	0	0	0	50
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	1,945	50	0	0	0	0	1,995

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 2/9
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Option Pkg Name: C4ISR RDAT&E Consolidation
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RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	562	562	562	562	562	562	3,375	562
Civ Salary	232	232	232	232	232	232	1,390	232
TRICARE	143	143	143	143	143	143	860	143
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	49	49	49	49	49	49	294	49
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	987	987	987	987	987	987	5,920	987
TOTAL COST	2,932	1,037	987	987	987	987	7,915	987

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	88	0	0	0	0	0	88
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	88	0	0	0	0	0	88

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	337	337	337	337	337	337	2,025	337
Civ Salary	266	532	532	532	532	532	2,926	532
MIL PERSONNEL								
Off Salary	312	625	625	625	625	625	3,437	625
Enl Salary	0	0	0	0	0	0	0	0
House Allow	234	234	234	234	234	234	1,406	234
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	1,150	1,729	1,729	1,729	1,729	1,729	9,793	1,729
TOTAL SAVINGS	1,239	1,729	1,729	1,729	1,729	1,729	9,882	1,729

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 3/9
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	220	0	0	0	0	0	220
Civ Moving	1,279	0	0	0	0	0	1,279
Info Tech	11	0	0	0	0	0	11
Other	91	0	0	0	0	0	91
MIL PERSONNEL							
Mil Moving	133	0	0	0	0	0	133
OTHER							
HAP / RSE	123	0	0	0	0	0	123
Environmental	0	50	0	0	0	0	50
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	1,857	50	0	0	0	0	1,857

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	225	225	225	225	225	225	1,351	225
Civ Salary	-34	-300	-300	-300	-300	-300	-1,536	-300
TRICARE	143	143	143	143	143	143	860	143
MIL PERSONNEL								
Mil Salary	-312	-625	-625	-625	-625	-625	-3,437	-625
House Allow	-185	-185	-185	-185	-185	-185	-1,111	-185
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	-163	-742	-742	-742	-742	-742	-3,874	-742
TOTAL NET COST	1,693	-692	-742	-742	-742	-742	-1,967	-742

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Base: Eglin AFB, FL (FTFA)

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	172	0	0	0	0	0	172
Civ Retire	48	0	0	0	0	0	48
CIV MOVING							
Per Diem	192	0	0	0	0	0	192
POV Miles	14	0	0	0	0	0	14
Home Purch	354	0	0	0	0	0	354
HHG	219	0	0	0	0	0	219
Misc	34	0	0	0	0	0	34
House Hunt	150	0	0	0	0	0	150
PPP	71	0	0	0	0	0	71
RITA	208	0	0	0	0	0	208
FREIGHT							
Packing	3	0	0	0	0	0	3
Freight	33	0	0	0	0	0	33
Vehicles	0	0	0	0	0	0	0
Unemployment	13	0	0	0	0	0	13
OTHER							
Info Tech	11	0	0	0	0	0	11
Prog Manage	78	0	0	0	0	0	78
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	21	0	0	0	0	0	21
POV Miles	9	0	0	0	0	0	9
HHG	115	0	0	0	0	0	115
Misc	23	0	0	0	0	0	23
OTHER							
Elim PCS	52	0	0	0	0	0	52
OTHER							
HAP / RSE	123	0	0	0	0	0	123
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	1,945	0	0	0	0	0	1,945

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 5/9
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

Base: Eglin AFB, FL (FTFA)

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	1,945	0	0	0	0	0	1,945	0

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	88	0	0	0	0	0	88
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	88	0	0	0	0	0	88

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	337	337	337	337	337	337	2,025	337
Civ Salary	266	532	532	532	532	532	2,926	532
MIL PERSONNEL								
Off Salary	312	625	625	625	625	625	3,437	625
Enl Salary	0	0	0	0	0	0	0	0
House Allow	234	234	234	234	234	234	1,406	234
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	1,150	1,729	1,729	1,729	1,729	1,729	9,793	1,729
TOTAL SAVINGS	1,239	1,729	1,729	1,729	1,729	1,729	9,882	1,729

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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

Base: Eglin AFB, FL (FTFA)

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	220	0	0	0	0	0	220
Civ Moving	1,279	0	0	0	0	0	1,279
Info Tech	11	0	0	0	0	0	11
Other	91	0	0	0	0	0	91
MIL PERSONNEL							
Mil Moving	133	0	0	0	0	0	133
OTHER							
HAP / RSE	123	0	0	0	0	0	123
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	1,857	0	0	0	0	0	1,857

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	-337	-337	-337	-337	-337	-337	-2,025	-337
Civ Salary	-266	-532	-532	-532	-532	-532	-2,926	-532
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	-312	-625	-625	-625	-625	-625	-3,437	-625
House Allow	-234	-234	-234	-234	-234	-234	-1,406	-234
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	-1,150	-1,729	-1,729	-1,729	-1,729	-1,729	-9,793	-1,729
TOTAL NET COST	707	-1,729	-1,729	-1,729	-1,729	-1,729	-7,936	-1,729

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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

Base: Edwards AFB, CA (FSPM)

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPP	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Info Tech	0	0	0	0	0	0	0
Prog Manage	0	0	0	0	0	0	0
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	50	0	0	0	0	50
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	50	0	0	0	0	50

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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

Base: Edwards AFB, CA (FSPM)

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	562	562	562	562	562	562	3,375	562
Civ Salary	232	232	232	232	232	232	1,390	232
TRICARE	143	143	143	143	143	143	860	143
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	49	49	49	49	49	49	294	49
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	987	987	987	987	987	987	5,920	987
TOTAL COSTS	987	1,037	987	987	987	987	5,970	987

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	0	0	0	0	0	0	0	0

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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

Base: Edwards AFB, CA (FSPM)

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Info Tech	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	50	0	0	0	0	50
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	50	0	0	0	0	50

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	562	562	562	562	562	562	3,375	562
Civ Salary	232	232	232	232	232	232	1,390	232
TRICARE	143	143	143	143	143	143	860	143
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	49	49	49	49	49	49	294	49
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	987	987	987	987	987	987	5,920	987
TOTAL NET COST	987	1,037	987	987	987	987	5,970	987

TOTAL COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10)
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

All values in 2005 Constant Dollars

Base Name	Total MilCon*	Milcon Cost Avoidence	Total Net Costs
Eglin AFB	0	0	0
Edwards AFB	0	0	0
Totals:	0	0	0

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

COBRA NET PRESENT VALUES REPORT (COBRA v6.10)
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

Year	Cost($)	Adjusted Cost($)	NPV($)
2006	1,693,329	1,670,108	1,670,108
2007	-692,003	-663,924	1,006,184
2008	-742,003	-692,505	313,679
2009	-742,003	-673,643	-359,963
2010	-742,003	-655,295	-1,015,258
2011	-742,003	-637,446	-1,652,704
2012	-742,003	-620,084	-2,272,788
2013	-742,003	-603,194	-2,875,983
2014	-742,003	-586,765	-3,462,748
2015	-742,003	-570,783	-4,033,531
2016	-742,003	-555,236	-4,588,768
2017	-742,003	-540,113	-5,128,881
2018	-742,003	-525,402	-5,654,283
2019	-742,003	-511,091	-6,165,375
2020	-742,003	-497,171	-6,662,545
2021	-742,003	-483,629	-7,146,175
2022	-742,003	-470,456	-7,616,631
2023	-742,003	-457,642	-8,074,273
2024	-742,003	-445,177	-8,519,451
2025	-742,003	-433,052	-8,952,503

COBRA SUSTAINMENT/RECAP/BOS/HOUSING CHANGE REPORT (COBRA v6.10)
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

Net Change($K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	0	0	0	0	0	0	0
Recap Change	0	0	0	0	0	0	0	0
BOS Change	225	225	225	225	225	225	1,351	225
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	225	225	225	225	225	225	1,351	225

Eglin AFB, FL (FTFA)

Net Change($K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	0	0	0	0	0	0	0
Recap Change	0	0	0	0	0	0	0	0
BOS Change	-337	-337	-337	-337	-337	-337	-2,025	-337
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	-337	-337	-337	-337	-337	-337	-2,025	-337

Edwards AFB, CA (FSPM)

Net Change($K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	0	0	0	0	0	0	0
Recap Change	0	0	0	0	0	0	0	0
BOS Change	562	562	562	562	562	562	3,375	562
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	562	562	562	562	562	562	3,375	562

TOTAL COBRA PERSONNEL IMPACT REPORT (COBRA v6.10) - Page 1/3
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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		42	0	0	0	0	0	42
Early Retirement*	8.10%	3	0	0	0	0	0	3
Regular Retirement*	1.67%	1	0	0	0	0	0	1
Civilian Turnover*	9.16%	4	0	0	0	0	0	4
Civs Not Moving (RIFs)*	6.00%	3	0	0	0	0	0	3
Civilians Moving (the remainder)		31	0	0	0	0	0	31
Civilian Positions Available		11	0	0	0	0	0	11
CIVILIAN POSITIONS ELIMINATED		8	0	0	0	0	0	8
Early Retirement	8.10%	1	0	0	0	0	0	1
Regular Retirement	1.67%	0	0	0	0	0	0	0
Civilian Turnover	9.16%	1	0	0	0	0	0	1
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	39.97%	3	0	0	0	0	0	3
Civilians Available to Move		3	0	0	0	0	0	3
Civilians Moving		3	0	0	0	0	0	3
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		42	0	0	0	0	0	42
Civilians Moving		34	0	0	0	0	0	34
New Civilians Hired		8	0	0	0	0	0	8
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIREMENTS		4	0	0	0	0	0	4
TOTAL CIVILIAN RIFS		3	0	0	0	0	0	3
TOTAL CIVILIAN PRIORITY PLACEMENTS#		3	0	0	0	0	0	3
TOTAL CIVILIAN NEW HIRES		8	0	0	0	0	0	8

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

\# Not all Priority Placements involve a Permanent Change of Station. The rate of PPP placements involving a PCS is 50.70%

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Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

Base: Eglin AFB, FL (FTFA)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		42	0	0	0	0	0	42
Early Retirement*	8.10%	3	0	0	0	0	0	3
Regular Retirement*	1.67%	1	0	0	0	0	0	1
Civilian Turnover*	9.16%	4	0	0	0	0	0	4
Civs Not Moving (RIFs)*	6.00%	3	0	0	0	0	0	3
Civilians Moving (the remainder)		31	0	0	0	0	0	31
Civilian Positions Available		11	0	0	0	0	0	11
CIVILIAN POSITIONS ELIMINATED		8	0	0	0	0	0	8
Early Retirement	8.10%	1	0	0	0	0	0	1
Regular Retirement	1.67%	0	0	0	0	0	0	0
Civilian Turnover	9.16%	1	0	0	0	0	0	1
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	39.97%	3	0	0	0	0	0	3
Civilians Available to Move		3	0	0	0	0	0	3
Civilians Moving		3	0	0	0	0	0	3
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		4	0	0	0	0	0	4
TOTAL CIVILIAN RIFS		3	0	0	0	0	0	3
TOTAL CIVILIAN PRIORITY PLACEMENTS#		3	0	0	0	0	0	3
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPP placements involving a PCS is 50.70%

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Data As Of 5/5/2005 8:05:06 AM, Report Created 5/5/2005 8:05:07 AM

Department : Technical JCSG
Scenario File : Z:\COBRA Database\TECH-0042\TECH-0042 Part 8\6.10\5 May update\J2 - C4ISR RDAT&E Consolidation_no_Holloman_Environmental_scrubbed_(6.10)_5May05.CBR
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

Base: Edwards AFB, CA (FSPM)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	8.10%	0	0	0	0	0	0	0
Regular Retirement*	1.67%	0	0	0	0	0	0	0
Civilian Turnover*	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	8.10%	0	0	0	0	0	0	0
Regular Retirement	1.67%	0	0	0	0	0	0	0
Civilian Turnover	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	39.97%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		42	0	0	0	0	0	42
Civilians Moving		34	0	0	0	0	0	34
New Civilians Hired		8	0	0	0	0	0	8
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		8	0	0	0	0	0	8

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPP placements involving a PCS is 50.70%

COBRA PERSONNEL YEARLY PERCENTAGES REPORT (COBRA v6.10)
Data As Of 5/5/2005 8:05:06 AM, Report Created 5/5/2005 8:05:07 AM

Department : Technical JCSG
Scenario File : Z:\COBRA Database\TECH-0042\TECH-0042 Part 8\6.10\5 May update\J2 - C4ISR RDAT&E Consolidation_no_Holloman_Environmental_scrubbed_(6.10)_5May05.CBR
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

Base: Eglin AFB, FL (FTFA)

Year	Pers Moved In/Added Total	Pers Moved In/Added Percent	MilCon TimePhase	Pers Moved Out/Eliminated Total	Pers Moved Out/Eliminated Percent	ShutDn TimePhase
2006	0	0.00%	33.33%	78	100.00%	100.00%
2007	0	0.00%	16.67%	0	0.00%	0.00%
2008	0	0.00%	16.67%	0	0.00%	0.00%
2009	0	0.00%	16.67%	0	0.00%	0.00%
2010	0	0.00%	16.67%	0	0.00%	0.00%
2011	0	0.00%	0.00%	0	0.00%	0.00%
TOTALS	0	0.00%	100.00%	78	100.00%	100.00%

Base: Edwards AFB, CA (FSPM)

Year	Pers Moved In/Added Total	Pers Moved In/Added Percent	MilCon TimePhase	Pers Moved Out/Eliminated Total	Pers Moved Out/Eliminated Percent	ShutDn TimePhase
2006	65	100.00%	100.00%	0	0.00%	16.67%
2007	0	0.00%	0.00%	0	0.00%	16.67%
2008	0	0.00%	0.00%	0	0.00%	16.67%
2009	0	0.00%	0.00%	0	0.00%	16.67%
2010	0	0.00%	0.00%	0	0.00%	16.67%
2011	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	65	100.00%	100.00%	0	0.00%	100.00%

DCN:11659

Commission modify COBRA TECH-6 to eliminate military personnel savings

ADDER COMBINED SUMMARY REPORT (ADDER v6.10) - Page 1/2
Report Created 8/4/2005 10:09:30 AM

Commission update

ADDER Data File: S:\R & A\COBRA Analysis Team\R&A Scenarios\MilPers Runs\TECH MilPers\179 ~~Consolidate~~ Air and Space C4ISR

No military

Starting Year : 2006
Final Year : 2008
Payback Year : 100+ Years

NPV in 2025($K): 223,000
1-Time Cost($K): 254,421

Net Costs in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	38,519	92,806	0	0	0	0	131,325	0
Person	3,354	-2,652	2,383	-8,020	-8,020	-8,020	-20,976	-8,020
Overhd	2,486	4,064	3,271	1,896	1,896	1,896	15,512	1,896
Moving	28,191	970	34,768	0	0	0	63,929	0
Missio	0	0	0	0	0	0	0	0
Other	1,404	1,926	29,875	4,331	19,803	4,331	61,671	4,331
TOTAL	73,954	97,115	70,298	-1,793	13,679	-1,793	251,461	-1,793

	2006	2007	2008	2009	2010	2011	Total
POSITIONS ELIMINATED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Civ	199	0	179	0	0	0	378
TOT	199	0	179	0	0	0	378
POSITIONS REALIGNED							
Off	47	52	137	0	0	0	236
Enl	6	203	381	0	0	0	590
Stu	0	0	0	0	0	0	0
Civ	42	0	763	0	0	0	805
TOT	95	255	1,281	0	0	0	1,631

32%

DCN:11659

ADDER COMBINED SUMMARY REPORT (ADDER v6.10) - Page 2/2
Report Created 8/4/2005 10:09:30 AM

ADDER Data File: S:\R & A\COBRA Analysis Team\R&A Scenarios\MilPers Runs\TECH MilPers\179 - Consolidate Air and Space C4ISR

Costs in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	38,519	92,806	0	0	0	0	131,325	0
Person	10,477	12,696	26,958	22,505	22,505	22,505	117,646	22,505
Overhd	4,314	7,679	16,976	15,601	15,601	15,601	75,774	15,601
Moving	28,398	1,512	35,951	0	0	0	65,861	0
Missio	0	0	0	0	0	0	0	0
Other	1,404	1,926	29,875	4,331	19,803	4,331	61,671	4,331
TOTAL	83,111	116,619	109,760	42,438	57,910	42,438	452,276	42,438

Savings in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	7,123	15,347	24,574	30,526	30,526	30,526	138,622	30,526
Overhd	1,827	3,615	13,705	13,705	13,705	13,705	60,262	13,705
Moving	206	542	1,183	0	0	0	1,931	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	9,156	19,504	39,462	44,231	44,231	44,231	200,815	44,231

DCN:11659

Commission modified COBRA

TECH-6 modified

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 1/2
Data As Of 8/11/2005 11:16:00 AM, Report Created 8/11/2005 11:16:02 AM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\TECH\179 - Tech 6\J1\J1 - C4ISR RDAT&E Tech042pt7_(
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\BRAC2005.SFF

Starting Year : 2006
Final Year : 2008
Payback Year : 2011 (3 Years)

NPV in 2025($K): -92,445
1-Time Cost($K): 38,144

Net Costs in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	9,287	5,158	0	0	0	0	14,445	0
Person	1,789	-6,751	-5,767	-5,556	-5,556	-5,556	-27,397	-5,556
Overhd	-845	-1,114	-2,981	-3,218	-3,218	-3,218	-14,593	-3,218
Moving	10,301	0	2,079	0	0	0	12,380	0
Missio	0	0	0	0	0	0	0	0
Other	922	0	2,709	60	1,762	60	5,514	60
TOTAL	21,453	-2,707	-3,960	-8,713	-7,011	-8,713	-9,652	-8,713

	2006	2007	2008	2009	2010	2011	Total
POSITIONS ELIMINATED							
Off	20	0	0	0	0	0	20
Enl	3	0	0	0	0	0	3
Civ	183	0	0	0	0	0	183
TOT	206	0	0	0	0	0	206
POSITIONS REALIGNED							
Off	0	0	4	0	0	0	4
Enl	0	0	8	0	0	0	8
Stu	0	0	0	0	0	0	0
Civ	0	0	53	0	0	0	53
TOT	0	0	65	0	0	0	65

Summary:

This scenario does not move WP to Hanscom AFB and only 65 poeple from Maxwell AFB. Recurring costs for contractors and moving costs reflect the adjusted moves.

Source Files:
1. TECH 0042 p7 USAF Complete 4 Jan 2005
2. Assumptions 5 Jan 2005 Approved TJCSG Telecon
3. Assumptions 10 Jan 2005 Approved TJCSG Telecon
4. Reduction Distribution (Dtd 31 Mar 05)
5. (Lackland tonnage file) SDD from USAF
6. TJCSG Telecon Minutes dtd 30Mar2005
7. TECH-0042p7with Hanscom CE(1).xls
8. OSD Database Question 3013
9. USAF document JS-609

Source file 2 eliminated Rome Laboratory from scenario subsequent to the receipt of source file 1.
Source file 2 eliminated Brooks City-Base from scenario subsequent to the receipt of source file 1.
Source file 3 eliminated NAS PATUXENT River from scenario.

DCN:11659

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 2/2
Data As Of 8/11/2005 11:16:00 AM, Report Created 8/11/2005 11:16:02 AM

Department : Technical JCSG
Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\TECH\179 - Tech 6\J1\J1 - C4ISR RDAT&E Tech042pt7_(
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\BRAC2005.SFF

Costs in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	9,287	5,158	0	0	0	0	14,445	0
Person	9,505	8,484	9,523	9,733	9,733	9,733	56,712	9,733
Overhd	1,319	1,050	3,879	3,643	3,643	3,643	17,177	3,643
Moving	10,301	0	2,108	0	0	0	12,409	0
Missio	0	0	0	0	0	0	0	0
Other	922	0	2,709	60	1,762	60	5,514	60
TOTAL	31,334	14,692	18,219	13,436	15,138	13,436	106,257	13,436

Savings in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	7,716	15,234	15,289	15,289	15,289	15,289	84,109	15,289
Overhd	2,164	2,164	6,860	6,860	6,860	6,860	31,770	6,860
Moving	0	0	29	0	0	0	29	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	9,881	17,398	22,180	22,150	22,150	22,150	115,909	22,150

R&A Staff COBRA Assumptions for TECH-6 (DOD COBRA run identified as tech42,pt7)

Maxwell AFB

- Considered only the impact on OSSG personnel involved in RDAT&E, leave sustainment personnel in place. This would mean that only 5 officers, 10 enlisted, 62 civilians, and 89 contractors would be available for relocation or job elimination.
- Assume standard TJCSG 15 percent reduction because the higher numbers that DOD used were based on authorizations and not actual on board strength
- $100,000 recurring saving for contractor eliminations (89 X 15%=13 x $100,000 = $1,3000,000);
- $30,000 recurring cost increase for added cost of contractor (89 x 85%= 76 X $30,000 = $2,160,000) for support in Massachusetts versus Alabama

  ALL CHANGES start in 2008
  - Screen 3 movement from Maxwell to Hanscom in 2008 – 4 officers, 8 enlisted, 53 civilians
  - Screen 6 elimination for Maxwell in 2008 – 1 officer, 2 enlisted, 9 civilians
  - Screen 5 -- Recurring cost savings of $1,300,000 for eliminated contractor positions
  - Screen 5 – Recurring cost additions $2,160,000 for higher cost of contract labor in Massachusetts

Wright-Patterson AFB

- Since Wright-Patterson buys commercial-off-the-shelf software packages, and is predominantly focused on day-to-day sustainment of business oriented computer systems, near the operational user (AFMC), the DFSG should remain at its present location. Therefore, COBRA should not consider any realignments and position eliminations.
  - Screen 3 movement from Wright-Patterson to Hanscom should be zero
  - Screen 6 eliminations for Wright-Patterson should be zero

Lackland AFB

- Lackland provides one-stop shop for support of cryptologic systems and sub-components, including acquisition, depot maintenance, inventory management, and warehousing/distribution. Assumed that breaking the center into four component pieces would not enhance jointness or military readiness. . Therefore, COBRA should not consider any realignments and position eliminations.
  - Screen 3 movement from Lackland to Hanscom should be zero
  - Screen 6 eliminations for Lackland to Hanscom should be zero

Hanscom AFB

- Eliminate one-time moving costs of $16,309,000 for the receiver, and include only the proportional share of unique one-time costs and military construction to support transfer of 4 officers, 8 enlisted, 53 civilians, and 76 contractors. Therefore
  - Screen 5, Eliminate claim for one-time unique moving costs for the receiver of $16,309,000 in 2006
  - Screen 5, Enter one-time unique costs of $2,509,000 for 2008 and $1,702,000 for 2010
  - Screen 7 Enter total MILCON cost should be $14,445,750 to provide space for 141 personnel

Eglin AFB

- The Eglin community agrees with the transfer of EW personnel to Edwards, but takes exception with the transfer of C4 Information Systems personnel to Edwards. If DOD's recommendation is accepted, they indicate that facilities costing as much as $58 million would need to be replicated at Edwards and an additional 265 personnel (over and above the EW personnel authorizations) would need to be considered for transfer to Edwards. The TJCSG capacity analysis found that Edwards has sufficient excess capacity to absorb the Eglin workload, and therefore MILCON is not needed. Accordingly, we concluded that these details, including final determinations regarding possible future MILCON requirements and numbers of personnel available or transfer can be negotiated during the implementation phase. Bottom line no changes to COBRA analysis.

DCN:11659

Knoepfle, Martin, WSO-BRAC

From: Farrington, Lester, CIV, WSO-BRAC
Sent: Friday, August 05, 2005 9:34 AM
To: Knoepfle, Martin, WSO-BRAC
Subject: FW: COBRA questions

Importance: High

From: Mleziva Matt Ctr SAF/AQX
Sent: Friday, August 05, 2005 9:22 AM
To: Farrington, Lester, CIV, WSO-BRAC
Cc: Shaffer, Alan, Mr, OSD-ATL
Subject: FW: COBRA questions
Importance: High

Les - as requested this AM, here is a draft copy of the responses to your 5 COBRA questions on "TECH-0006" - please understand that Al Shaffer may edit these draft responses prior to sending them to you officially - cheers, Matt

-----Original Message-----
From: Mleziva Matt Ctr SAF/AQX
Sent: Thu 8/4/2005 11:13 AM
To: Shaffer, Alan, Mr, OSD-ATL
Cc:
Subject: RE: COBRA questions

Al - inserted below are my draft responses to the COBRA questions Les asked - let me know if I need to do anything more - cheers, Matt

-----Original Message-----
From: Shaffer, Alan, Mr, OSD-ATL
Sent: Thu 8/4/2005 8:22 AM
To: Farrington, Lester, CIV, WSO-BRAC
Cc: Buckstad, Robert, COL, OSD-ATL; Knoepfle, Martin, WSO-BRAC
Subject: RE: COBRA questions

Les: Before we push off in the wrong direction, I want to make sure we have the right scenario--your Tech 6 is the "Consolidate Ari and Space C4ISR Research, Development & Acquisition, Test & Evaluation"?

I know the answer to some of the questions (why did we eliminat emore than 15%, for instance); our guideline was 15% redution for consolidation unless there was rationale for another number. In the case of Maxwell folks to Hanscom, the Command (ESC and AFMC) looked at the positions, and came up with the certified number of reductions (to 633); that was based on an assessment of the functions, projected workload, and reduction of redundancy.)

Cheers

A

Alan R. "Al" Shaffer
Director, Plans and Programs
ODDRE
(703) 695-9604

DCN:11659

-----Original Message-----
From: Farrington, Lester, CIV, WSO-BRAC
Sent: Thursday, August 04, 2005 8:20 AM
To: Shaffer, Alan, Mr, OSD-ATL
Cc: Buckstad, Robert, COL, OSD-ATL; Knoepfle, Martin, WSO-BRAC
Subject: COBRA questions

Al/Buck:

We have a few questions on TECH-6 COBRA data. Please forward the questions below to the knowledgeable person and let me know who it is so we can contact him directly. Maybe we can cover it over the phone. Thanks.

Les

1. What is the support and rationale for the 663 personnel eliminations (about 33% of the total). We understand the TJCSG adopted a 15% factor as general rule of thumb. That would lead to reductions of only 301 spaces vice 663..

Two factors led to the "above-TJCSG standard" reduction; 1) the planned use of a less labor intensive development & acquisition approach than is currently being used by OSSG and DFSG and 2) less time and effort being required for integration of the OSSG and DFSG products into the C4ISR system of systems yielding additional manpower savings

2. What is the basis and rationale for the $16.3 million one-time moving costs for Hanscom (the receiver activity)?

In the Scenario Data Call response, the AF bundled the One-Time Moving Costs from Lackland, Maxwell and Wright-Patterson into the Hanscom data

3. What is the basis and rationale for the $38.8 million one-time unique costs for Hanscom?

Per the AF Scenario Data Call response, this includes Military Family Housing privitization ($3M), Hanscom Infrastructure upgrade ($6.1M), new parking ($13.7M), systems furniture ($15.5M) and environmental mitigation ($.5M).

4. Why does the Air Force require 570,000 square feet of admin space to support the 1281 personnel being relocated to Hanscom? Based on the TJCSG standard factor the space requirement should be 204,960 square feet (1281 X 160 sq ft per person = 204,960 square feet).

The AF MILCON estimate in the Scenario Data Call response (a) used 180 sq ft/person, (b) included the added BOS personnel in the personnel number and (c) included special use space such as classrooms

5. How did the TJCSG factor into the COBRA analysis cost and savings associated with the higher cost of obtaining mission essential contractor support at Hansom versus Lackland and Maxwell Air Force Bases?

Since the cost of contractor support at receiving bases was unknown, the TJCSG generally did not include them in COBRA. The costs at the receiving bases could be more or less than at the losing bases depending on factors like the relative cost of living or whether the support was provided by a few highly skilled personnel or a larger number of less skilled personnel.

Farrington, Lester, CIV, WSO-BRAC

From: Joe Greene [Jgreene@montgomerychamber.com]
Sent: Monday, July 25, 2005 12:51 PM
To: 'Lester. Farrington (E-mail)
Cc: 'Asack (E-mail); Paul Hankins
Subject: Answers to Your Questions Concerning Contractor Costing for OSSG and Maxwell AFB
Attachments: BRAC Appendix B.PDF; BRAC COBRA Instructions.PDF; BRAC Appendix B-1.PDF

Les--Thanks for your phone call. Attached are the documents that answer your questions about costing contractors.

The first document is an extract from BRAC Volume 1 Appendix B, page B-ii top of page. Under the definition for Net Mission Contractors, it states that definition as: "Net Mission Contractors is the change in the number non-government employees who perform one or more of the military mission on the installation, and whose work tasks are virtually identical to government civilian employees or military personnel, expressed in full time equivalents." Attached to that is the summary for Montgomery which shows that they had zeros in the Net Mission Contractors as well as at Hanscom.

Where to properly cost those contractors is in the BRAC Cobra instructions which is the second attachment. The applicable pages are page 30, 31, and 32. On page 30, 3.5 SCREEN FIVE-BASE INFORMATION (DYNAMIC) under the first paragraph about part way down it says "... These entries are costs/savings determined by the user that are added to COBRA calculated costs/savings. Particular areas of interest should be contracts, leases, ..., and impact on Non-DoD activities."

In addition, it futher defines what this costing is and how to cost it. Look at the bottom of page 31 under the title : Activity Mission Costs. Here it says "... Mission activities such as industrial operations (not base support) that are executed by contract costs and not captured elsewhere should be entered here. These costs should be entered for the base where the activity is located or moved."

The attachment BRAC Appendix B-1 shows they didn't include those costs at either end, which they should have.

Hope this helps Les, I will call you and go over this with you. They did two things wrong in their costing. They did not include contractors under Net Mission Contractors which by definition, should have been included.

Second. They did not include the cost of the contracts which can be entered in the COBRA model under Mission Activities. These are contracts that do industrial activities (which this is) and are not costed elsewhere, specifically contracts for Non-DoD activities which perform military mission on the installation.

Let me know if you need anything else. Talk to you later
Joe Greene
Montgomery Area Chamber of Commerce

<<BRAC Appendix B.PDF>> <<BRAC COBRA Instructions.PDF>> <<BRAC Appendix B-1.PDF>>

Appendix B
BRAC 2005 Closure and Realignment Impacts by Economic Area

Note

The listing of installations in this appendix does not include BRAC actions for where there are no (zero) net job changes. In a limited number of cases, the impact of National Guard or Reserve facility job changes were aggregated with those of the closest active military installation, or of a nearby National Guard or Reserve facility.

Definitions

Economic Area is the economic region of influence assigned to each installation for BRAC 2005. Details on the assignment of installations to economic areas can be found in the description of the activities of Joint Process Action Team 6.

Installation is the common name of the installation. In a limited number of cases, the impact of National Guard or Reserve facility job changes were aggregated with those of the closest active military installation, or of a nearby guard or reserve facility.

Action is the BRAC 2005 action for the installation, such as close, realign, or gain.

Out Mil is the number of military personnel authorizations that are either eliminated or re-located from the installation to a new location outside of their current economic area. Relocations within the same economic area do not constitute a BRAC economic impact.

Out Civ is the number of civilian personnel authorizations that are either eliminated or re-located from the installation to a new location outside of their current economic area. Relocations within the same economic area do not constitute a BRAC economic impact.

In Mil is the number of military personnel authorizations relocating into the installation from another economic area.

In Civ is the number of civilian personnel authorizations relocating into the installation from another economic area.

Net Gain/(Loss) Mil is the net change in the number of military personnel authorizations by installation.

Net Gain/(Loss) Civ is the net change in the number of civilian personnel authorizations by installation.

Net Mission Contractors is the change in the number non-government employees who perform one or more of the *military* missions on the installation, and whose work tasks are virtually identical to government civilian employees or military personnel, expressed in full time equivalents.

Indirect Changes is the sum of estimated indirect and induced job changes in the community associated with the change in Total Direct Jobs. *Indirect* job changes are the net addition or loss of local non-government jobs supporting installation material, service, and infrastructure needs, such as a local motor pool parts distributors or base operations support (BOS) contractors. *Induced* job changes are the net addition or loss of local non-government jobs in industries that provide goods or services to the households of direct or indirect installation employees. Examples include local grocery stores, retail stores, and restaurants.

Total Job Changes is the sum of the Total Direct and Indirect Changes entries.

Economic Area Employment is employment in the economic area for calendar year 2002, which was the most recent official employment data available from the Department of Commerce's Bureau of Economic Analysis (BEA) at the time of the development of the BRAC 2005 Economic Impact Tool.

Changes as a Percent of Employment is the result of dividing Total Job Changes by Economic Area Employment.

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 10/15
Data As Of 4/20/2005 4:12:53 PM, Report Created 4/20/2005 4:41:49 PM

Department : Technical JCSG
Scenario File : E:\Database\COBRA Database\TECH-0042\TECH-0042 Part 7\6.10\J1 - C4ISR RDAT&E Consolidation Tech042pt7_scrubbed_updated1APR2005(6.10).CBR
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : E:\Database\COBRA 6.10\BRAC2005.SFF

Base: Maxwell AFB, AL (PNQS)

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	1,894	0	0	0	1,894
Civ Retire	0	0	527	0	0	0	527
CIV MOVING							
Per Diem	0	0	2,779	0	0	0	2,779
POV Miles	0	0	84	0	0	0	84
Home Purch	0	0	6,823	0	0	0	6,823
HHG	0	0	1,943	0	0	0	1,943
Misc	0	0	341	0	0	0	341
House Hunt	0	0	1,787	0	0	0	1,787
PPP	0	0	1,313	0	0	0	1,313
RITA	0	0	3,308	0	0	0	3,308
FREIGHT							
Packing	0	0	50	0	0	0	50
Freight	18	0	434	0	0	0	453
Vehicles	0	0	0	0	0	0	0
Unemployment	0	0	147	0	0	0	147
OTHER							
Info Tech	0	0	162	0	0	0	162
Prog Manage	1,282	961	721	0	0	0	2,964
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	200	0	0	0	200
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	403	0	0	0	403
POV Miles	0	0	116	0	0	0	116
HHG	0	0	1,417	0	0	0	1,417
Misc	0	0	469	0	0	0	469
OTHER							
Elim PCS	0	0	1,356	0	0	0	1,356
OTHER							
HAP / RSE	0	0	2,049	0	0	0	2,049
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	1,300	961	28,326	0	0	0	30,588

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 11/15
Data As Of 4/20/2005 4:12:53 PM, Report Created 4/20/2005 4:41:49 PM

Department : Technical JCSG
Scenario File : E:\Database\COBRA Database\TECH-0042\TECH-0042 Part 7\6.10\J1 - C4ISR RDAT&E Consolidation Tech042pt7_scrubbed_updated1APR2005(6.10).CBR
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : E:\Database\COBRA 6.10\BRAC2005.SFF

Base: Maxwell AFB, AL (PNQS)

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	1,300	961	28,326	0	0	0	30,588	0

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	996	0	0	0	996
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	996	0	0	0	996

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	2,100	2,100	2,100	2,100	8,401	2,100
Recap	0	0	1,056	1,056	1,056	1,056	4,224	1,056
BOS	0	0	5,768	5,768	5,768	5,768	23,073	5,768
Civ Salary	0	0	5,951	11,902	11,902	11,902	41,659	11,902
MIL PERSONNEL								
Off Salary	0	0	3,249	6,498	6,498	6,498	22,745	6,498
Enl Salary	0	0	8,363	16,727	16,727	16,727	58,544	16,727
House Allow	0	0	4,394	4,394	4,394	4,394	17,575	4,394
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	30,882	48,446	48,446	48,446	176,221	48,446
TOTAL SAVINGS	0	0	31,878	48,446	48,446	48,446	177,217	48,446

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 12/15
Data As Of 4/20/2005 4:12:53 PM, Report Created 4/20/2005 4:41:49 PM

Department : Technical JCSG
Scenario File : E:\Database\COBRA Database\TECH-0042\TECH-0042 Part 7\6.10\J1 - C4ISR RDAT&E Consolidation Tech042pt7_scrubbed_updated1APR2005(6.10).CBR
Option Pkg Name: C4ISR RDAT&E Consolidation
Std Fctrs File : E:\Database\COBRA 6.10\BRAC2005.SFF

Base: Maxwell AFB, AL (PNQS)

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	2,422	0	0	0	2,422
Civ Moving	18	0	18,865	0	0	0	18,883
Info Tech	0	0	162	0	0	0	162
Other	1,282	961	1,067	0	0	0	3,310
MIL PERSONNEL							
Mil Moving	0	0	2,766	0	0	0	2,766
OTHER							
HAP / RSE	0	0	2,049	0	0	0	2,049
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	1,300	961	27,331	0	0	0	29,592

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	-2,100	-2,100	-2,100	-2,100	-8,401	-2,100
Recap	0	0	-1,056	-1,056	-1,056	-1,056	-4,224	-1,056
BOS	0	0	-5,768	-5,768	-5,768	-5,768	-23,073	-5,768
Civ Salary	0	0	-5,951	-11,902	-11,902	-11,902	-41,659	-11,902
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	-11,613	-23,225	-23,225	-23,225	-81,289	-23,225
House Allow	0	0	-4,394	-4,394	-4,394	-4,394	-17,575	-4,394
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	-30,882	-48,446	-48,446	-48,446	-176,221	-48,446
TOTAL NET COST	1,300	961	-3,551	-48,446	-48,446	-48,446	-146,629	-48,446

3.5 SCREEN FIVE – BASE INFORMATION (DYNAMIC)

This screen provides the user with the flexibility to enter known BRAC costs or savings that are outside COBRA's functionality. For each base identified in the scenario the user will enter the specific information below. A separate page will be presented for each base. This data is scenario specific data and, therefore, will require user entry. COBRA algorithms will not use the dollar entries on this screen. These entries are costs/savings determined by the user that are added to COBRA calculated costs/savings. Particular areas of interest should be contracts, leases, impact on Reserve Component units, and impact on Non-DoD activities. Some of these costs/savings might seem like they could be entered in one of several of the data cells on this screen. In such cases the analyst/user should primarily consider whether the costs/savings are mission or support related. The most important thing is to capture all known costs/savings incurred with the realignment action.
(NOTE: Data fields that have an asterick after the 2011 column will use the 2011 value for each of the remaining years of the 20 year planning period used by COBRA.)

NOTE: All dollar values will be in FY05 dollars.

Screen Five - Base Information (Dynamic)

FORT JELLICO, KY (21120)

	2006	2007	2008	2009	2010	2011	
One-Time Unique Costs ($K):	0	0	0	0	0	0	
One-Time Unique Savings ($K):	0	0	0	0	0	0	
One-Time Moving Costs ($K):	0	0	0	0	0	0	
One-Time Moving Savings ($K):	0	0	0	0	0	0	
Env/Non-MilCon Required ($K):	0	0	0	0	0	0	
Activity Mission Costs ($K):	0	0	0	0	0	0	*
Activity Mission Savings ($K):	0	0	0	0	0	0	*
Mission Contract Start Costs($K):	0	0	0	0	0	0	
Mission Contract Term Costs($K):	0	0	0	0	0	0	
Support Contract Term Costs($K):	0	0	0	0	0	0	
Misc. Recurring Costs ($K):	0	0	0	0	0	0	*
Misc. Recurring Savings ($K):	0	0	0	0	0	0	*
One-Time IT Costs ($K):	0	0	0	0	0	0	
Construction Schedule (%):	0.000	0.000	0.000	0.000	0.000	0.000	%
Shutdown Schedule (%):	0.000	0.000	0.000	0.000	0.000	0.000	%
Mission Milcon Avoidances ($K):	0	0	0	0	0	0	
Procurement Avoidances ($K):	0	0	0	0	0	0	*

MTF Action:
- As-Is (No Change)
- Close In-Patient
- Close Hospital

Facilities Shutdown (KSF): 0

% of Family Housing Shutdown: 0.000 %

Costs and Savings are in thousands of 2005 dollars.

* Year 2011 Value used in Beyond years

? | Footnotes | < 4 | Previous | Next | > 6 | OK

One-Time Unique Costs
These are the unique non-recurring expenditures during each year that cannot be portrayed properly elsewhere. Include such costs here as Reserve Component impact costs, land purchase costs, lease termination costs, meeting force protection standards at leased facilities, restoration costs (cost to restore facility to its original condition) when leaving a leased facility, and impacts on non-DoD activities. An example of an impact on a non-DoD agency would be costs incurred by GSA to rent vacated leased facilities. A bridging contract during the move of a contracted activity should be entered here. Documentation is required for these costs. (Allowed entries 0 to 999,999 $K)

One-Time Unique Savings
These are the unique non-recurring savings during each year that cannot be portrayed properly elsewhere. Include such items as Reserve Component impact savings. Documentation is required for these savings. (Allowed entries 0 to 999,999 $K)

One-Time Moving Costs
The unique costs of moving during each year. Examples are special equipment or munitions transportation or calibration of laboratory equipment after it is moved. Also, COBRA assumes that all moves are done by ground transportation. If a different mode of transportation is used, this data element can be used to enter the costs. Documentation is required for these costs. (Allowed entries 0 to 999,999 $K)

One-Time Moving Savings
These are the unique savings of moving during each year. Documentation is required for these savings. (Allowed entries 0 to 999,999 $K)

Env Non-MILCON Required
These are the costs in each scenario year of environmental related costs that are not construction. An example would be the purchase of additional sewage treatment or solid waste disposal from off base. (Allowed entries -99,999 to 999,999 $K)

Activity Mission Costs
The change in mission costs each year incurred by the activity involved in the closure/realignment. These are costs incurred by the activity; not part of the normal operations of the base. Examples of activity mission costs are fuel to travel to training areas and supplies that are not part of normal base overhead costs. Reserve Component (RC) mission/training costs incurred by a base closure or realignment are particularly suited for this data element. Mission activities such as industrial operations (not base support) that are executed by contract costs and not captured elsewhere should be entered here. These costs should be entered for the base where the activity is located or moved. The figure entered in the last year will be assumed to continue throughout the remainder of the modeled years. (Allowed entries 0 to 999,999 $K)

Activity Mission Savings
The savings realized in mission activities each year by the activity involved in the closure/realignment. These are savings realized by the activity, not part of the normal operations of the base. These savings should be entered for the base the activity is located on or moving to, as appropriate. RC and contract executed mission activity savings should be entered here. The figure entered in the last year will be assumed to continue throughout the remainder of the modeled years. (Allowed entries 0 to 999,999 $K)

Mission Contract Start Costs
Contract start-up costs related to a mission activity. This would include such costs as bridging contracts, one-time initial fees or increased contract costs. (Allowed entries -99,999 to 999,999 $K)

Mission Contract Term Costs
Contract termination (Term) costs related to a mission activity. This would include such costs as early termination penalties and restoration costs for leases. (Allowed entries -99,999 to 999,999 $K)

Support Contract Term Costs
Contract termination (Term) costs related to base support activities or other support activities. This would include such costs as early termination penalties and restoration costs. (Allowed entries -99,999 to 999,999 $K)

Misc Recurring Costs
Miscellaneous (Misc.)Recurring costs in each year not covered in other entries above. These could include RC costs or recurring force protection costs at leased facilities. The figure entered in the last year will be assumed to continue throughout the remainder of the modeled years. (Allowed entries 0 to 999,999 $K)

Misc Recurring Savings
There are recurring savings in each year not covered in other entries above. Rent savings from terminating a lease can be entered here. Even if the lease has expired, recurring savings still need to be calculated out to the sixth year or the BRAC action. The recurring savings after the lease expiration will be determined using the market rate for the rental of the leased facility. The figure entered in the last year will be assumed to continue throughout the remainder of the modeled years. RC component recurring savings should also be entered here if not entered elsewhere. (Allowed entries 0 to 999,999 $K)

One-Time IT Costs
One-Time IT (Information Technology) costs incurred as a result of the BRAC action. These costs include extending and modernizing IT infrastructure both on a base and supporting infrastructure in the private sector off-base. (Allowed entries -99,999 to 999,999 $K)

Economic Area Installation	Action	Out Mil	Out Civ	In Mil	In Civ	Net Gain/(Loss) Mil	Net Gain/(Loss) Civ	Net Mission Contractor	Total Direct	Indirect Changes	Total Job Changes	Economic Area Employment	Changes as Percent of Employment
Modesto, CA Metropolitan Statistical Area													
Riverbank Army Ammunition Plant	Close	0	(4)	0	0	0	(4)	(85)	(89)	(17)	(106)	217,388	0.0%
	Total	0	(4)	0	0	0	(4)	(85)	(89)	(17)	(106)	217,388	0.0%
Monroe County, WI													
Fort McCoy	Realign	(379)	(82)	97	133	(282)	51	0	(231)	(133)	(364)	23,884	-1.5%
	Total	(379)	(82)	97	133	(282)	51	0	(231)	(133)	(364)	23,884	-1.5%
Montgomery, AL Metropolitan Statistical Area													
BG William P. Screws U.S. Army Reserve Center Montgomery	Close	(15)	(3)	0	0	(15)	(3)	0	(18)	(12)	(30)	207,595	0.0%
Navy Recruiting District Headquarters Montgomery	Close	(31)	(5)	0	0	(31)	(5)	(5)	(41)	(27)	(68)	207,595	0.0%
The Adjutant General Bldg, AL Army National Guard Montgomery	Close	(85)	0	0	0	(85)	0	0	(85)	(56)	(141)	207,595	-0.1%
Dannelly Field Air Guard Station	Gain	0	0	18	42	18	42	0	60	45	105	207,595	0.1%
Maxwell Air Force Base	Realign	(740)	(511)	0	0	(740)	(511)	0	(1,251)	(894)	(2,145)	207,595	-1.0%
	Total	(871)	(519)	18	42	(853)	(477)	(5)	(1,335)	(944)	(2,279)	207,595	-1.1%
Mountain Home, ID Micropolitan Statistical Area													
Mountain Home Air Force Base	Realign	(1,235)	(54)	697	23	(538)	(31)	0	(569)	(329)	(898)	14,441	-6.2%
	Total	(1,235)	(54)	697	23	(538)	(31)	0	(569)	(329)	(898)	14,441	-6.2%
Muskogee, OK Micropolitan Statistical Area													
Armed Forces Reserve Center Muskogee	Close	(14)	(2)	0	0	(14)	(2)	0	(16)	(9)	(25)	40,416	-0.1%
	Total	(14)	(2)	0	0	(14)	(2)	0	(16)	(9)	(25)	40,416	-0.1%
Nashville-Davidson--Murfreesboro, TN Metropolitan Statistical Area													
Leased Space - TN	Close/Realign	0	(6)	0	0	0	(6)	0	(6)	(4)	(10)	919,365	0.0%
Nashville International Airport Air Guard Station	Realign	(19)	(172)	0	0	(19)	(172)	0	(191)	(137)	(328)	919,365	0.0%
	Total	(19)	(178)	0	0	(19)	(178)	0	(197)	(141)	(338)	919,365	0.0%

This list does not include locations where no changes in military or civilian jobs are affected.
Military figures include student load changes.

DCN:11659

BRAC Clearinghouse Tasker 0977C
(TECh-6) C4ISR
MAXWELL AFB

DCN: 7236

TERRY EVERETT
2ND DISTRICT, ALABAMA

COMMITTEE ON ARMED SERVICES
CHAIRMAN, STRATEGIC FORCES
TACTICAL AIR and LAND FORCES

COMMITTEE ON AGRICULTURE
VICE CHAIRMAN, SPECIALTY CROPS and FOREIGN AGRICULTURE PROGRAMS
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Congress of the United States
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Washington, DC 20515–0102

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TERRORISM and HOMELAND SECURITY

COMMITTEE ON VETERANS' AFFAIRS
OVERSIGHT and INVESTIGATIONS

Web site: http://www.house.gov/everett

August 5, 2005

The Honorable James V. Hansen
2005 Defense Base Closure and Realignment Commission
2521 S. Clark St., Ste. 600
Arlington, VA 22202

BRAC Commission
AUG 09 2005
Received

Dear Jim:

I would like to thank you again for meeting with me about DOD's BRAC recommendations facing the Second District of Alabama. To quickly recap our meeting, I'm most concerned about two recommendations that I feel deserve the BRAC Commission's further consideration: 1) to realign the Operations and Sustainment Systems Group (OSSG) at Maxwell-Gunter AFB to Hanscom AFB, and 2) to realign the Army Aviation Technical Test Center (ATTC) to Redstone Arsenal.

As we discussed, the Air Force does not need to move the OSSG to Hanscom in order to perform this critical mission. In fact, and since our meeting, DOD has revised its original recommendation stating that it would not move "any operation activities" from the OSSG. These activities consist of the Network Operations Center, which employs over 450 people. If DOD has already stated that it intends to leave the Network Operations Center at Gunter, it makes no sense to move the remaining 1,264 jobs associated with the direct Operations Support activities that keep the current systems running on the network.

Moreover, the commander of the 8th Air Force, Lt. Gen. Bruce Carlson, recently briefed Air Force leaders on the Integrated Network Operations and Security Center (I-NOSK). One of the proposed locations for this important center is Gunter AFB (the brief is attached). As such, moving the OSSG, the guts of Gunter, to Hanscom AFB would undermine future Air Force plans.

Regarding the Aviation Technical Test Center (ATTC), the Army has finally assembled all components of Army Aviation training at one location with the realignment of the Aviation Logistics School to Ft. Rucker. Yet, at the same time, DOD's recommendation to realign to the ATTC to Redstone Arsenal runs counter to that by removing a leg from the aviation stool. At Ft. Rucker, the ATTC is able to operate their fleet of approximately 40 test aircraft by the large maintenance and logistics operation on post at significant savings - that will be significantly bolstered by the relocation of the Aviation Logistics School from Fort Eustis. A move to Redstone disregards the significant costs of keeping the test fleet flying. The vast pool of pilots and aircraft from the Aviation Center also facilitates the ATTC's ability to realize a greater return on the testing dollar invested.

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WASHINGTON, DC 20515
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3500 EASTERN BOULEVARD, #250
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101 NORTH MAIN STREET
OPP, AL 36467
(334) 493-9253

Another problem with this recommendation is airspace. As the home of Army Aviation, Fort Rucker is blessed with over 32,000 square miles of airspace to conduct its mission - this cannot be duplicated in Huntsville. A potential move also undermines the synergies that currently exist between the schoolhouse and the experimental pilots. Finally, with Fort Rucker being the Army proponent for unmanned aerial vehicles (UAVs), it is crucial that the ATTC be able to leverage the expertise associated with this proponency to conduct its tests on UAVs. Fort Rucker also has Federal Aviation Administration (FAA) certified UAV air space, which may be impossible to duplicate at Redstone.

I obviously have a parochial interest in seeing these two recommendations overturned, but I truly believe that DOD failed to fully understand the negative impact that these decisions would have on military readiness. Thanks again for taking a hard look at these issues, and I appreciate the work that you and the other commissioners are performing on behalf of our national security.

Sincerely Yours,

Terry

TERRY EVERETT

Cc: BRAC Commissioners
The Honorable Anthony J. Principi
The Honorable James H. Bilbray
The Honorable Philip Coyle
Admiral Harold W. Gehman, Jr. (USN, Ret.)
General James T. Hill (USA, Ret.)
General Lloyd W. Newton (USAF, Ret.)
The Honorable Samuel K. Skinner
Brigadier General Sue E. Turner (USAF, Ret.)

Maxwell-Gunter AFB -- OSSG

Since 1993, over $275 million in military construction has been authorized to modernize Maxwell-Gunter including state-of-the-art dorms, educational facilities and the 1,500-foot runway expansion. In addition, $12.8 million was appropriated for the Integrated Operation Support Facility to support the mission of the OSSG at Gunter. Furthermore, I recently met with Lt. Gen. Charles Johnson, Commander of the Air Force Electronic Systems Command, about leadership and funding issues that I had concerning the OSSG. Shortly thereafter, Greg Garcia was named as the new director of the OSSG, while other military leadership positions that have been vacant due to retirements are beginning to be filled.

Despite my efforts, the Pentagon has made an unwise decision and called for the realignment of 1,251 civilian and military jobs from Maxwell-Gunter AFB to Hanscom AFB, which is the parent organization of the OSSG. The OSSG has provided world-class combat operational support to Air Force bases and DoD agencies around the world from Montgomery for more than 30 years. It does not need to be moved in order to continue to perform this critical national security mission. Most significantly, the transfer of the OSSG to Hanscom AFB would necessitate a reproduction of infrastructure, personnel, and contractor base, and therefore could potentially harm the warfighter during this transition because of OSSG's combat support mission. Additionally, a move to a significantly higher cost area, like Massachusetts, is expected to bring a price tag of over $254 million with any potential payback not expected for another eight years.

The OSSG is the only organization with experience fielding systems across the entire Air Force and DoD. Moreover, Gunter is home to one of four major Defense Information Systems Agency (DISA) nodes which provide the backbone on which Air Force Systems run -- a synergy that does not exist at Hanscom AFB. The DISA presence, along with the OSSG, enables testing of enterprise-wide combat support software applications in an operational environment. With its extensive background, experience, and expertise, this organization is truly a one of a kind national resource and belongs in Montgomery.

Further investigation of OSSG's mission, prompted by inquiries from the BRAC commission, led DoD to revise its original recommendation. Specifically, the Pentagon stated that it would not move "any operation activities" from the OSSG. In my estimation, these activities consist primarily of the Network Operations Center which employs over 450 people. It makes no sense if DoD has already stated that it intends to leave the Network Operations Center at Gunter to move the remaining 1,264 jobs associated with all the direct Operations Support activities that keep the current systems running on the network.

To further illustrate DoD's shortsighted decision to move the OSSG, a recent briefing on Integrated Network Operations and Security Centers given by the Commander of 8th Air Force, Lt. Gen. Bruce Carlson, stated that Gunter was one of the proposed locations to remain open after future consolidations. As such, moving the OSSG to Hanscom AFB would undermine future Air Force plans.

Fort Rucker – Aviation Technical Test Center (ATTC)

While I am very pleased that DoD has recommended moving an important mission to Fort Rucker, I am very concerned about its proposal to realign the Aviation Technical Test Center (ATTC) to Redstone Arsenal. This issue is very close to me personally as I have been intimately involved with it for over 10 years. In the mid-90s, there was an effort made within the Pentagon to move the ATTC out of Fort Rucker. As is the case now, I was very troubled by this, and began to investigate in an effort to determine if this would be best for the Army, highlighted by a personal meeting with the then-Secretary of the Army, Togo West. This culminated when my amendment was included in the House version of Fiscal Year 1996 National Defense Authorization Act (HR 1530) which blocked the Army's proposal to relocate the ATTC until an outside independent study of the proposal could be completed. After an analysis of the move was completed, not only did the ATTC stay at Fort Rucker, but the Airworthiness Qualification Test Directorate was moved from Edwards AFB to Fort Rucker as well. I believe the arguments presented then still have substantial merit today.

At Fort Rucker, the ATTC is able to have their fleet of approximately 40 test aircraft maintained by the large maintenance and logistics operation on post that will be significantly bolstered by the relocation of the Aviation Logistics School from Fort Eustis, the group responsible for training our helicopter maintainers. A move to Redstone disregards these significant costs of keeping the test fleet flying. The vast pool of pilots and aircraft from the Aviation Center also facilitates the ATTC's ability to realize a greater return on the testing dollar invested.

Another problem with this recommendation revolves around airspace. As the home of Army Aviation, Fort Rucker is blessed with over 32,000 square miles of airspace to conduct its mission. This irreplaceable natural asset cannot be duplicated in Huntsville. A potential move also undermines the synergies that currently exist between the schoolhouse and the experimental pilots. Finally, with Fort Rucker being the Army proponent for unmanned aerial vehicles (UAVs), it is crucial that the ATTC be able to leverage the expertise associated with this proponency to conduct its tests on UAVs. Fort Rucker also has Federal Aviation Administration (FAA) certified UAV air space, which may not be able to be duplicated at Redstone.

Pre-decisional

Headquarters U.S. Air Force

Integrity - Service - Excellence

Integrated Network Operations and Security Center (I-NOSC) Update

Pre-decisional

Lt General Bruce Carlson
AFNETOPS/CC

DCN:11659

DCN:11659

Purpose

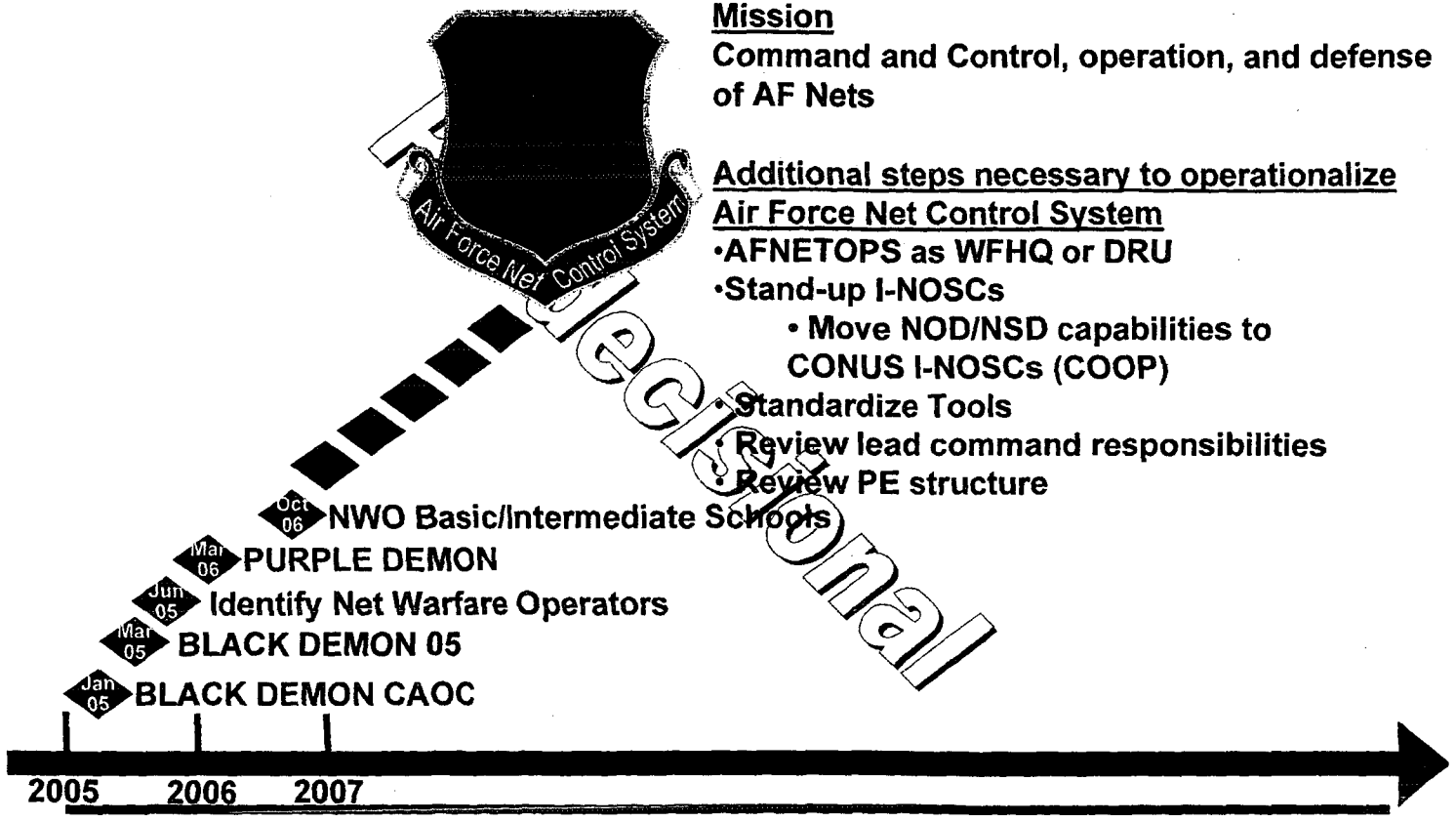
- CORONA South tasker:
  - Develop a plan for an appropriate number of AF I-NOSCs to standardize AFNETOPS
- Proposed Solution
  - Approve AFNETOPS/CC as AF Network DAA
  - Approve I-NOSC transformation roadmap
- Direct AFNETOPS/CC to stand up a DRU reporting to CSAF
  - Assign AF Network Operations and Security Center (AFNOSC) to WFHQ

Proprietary/Confidential

AFNETOPS Future

Mission
Command and Control, operation, and defense of AF Nets

Additional steps necessary to operationalize Air Force Net Control System
- AFNETOPS as WFHQ or DRU
- Stand-up I-NOSCs
  - Move NOD/NSD capabilities to CONUS I-NOSCs (COOP)
- Standardize Tools
- Review lead command responsibilities
- Review PE structure



Preliminary

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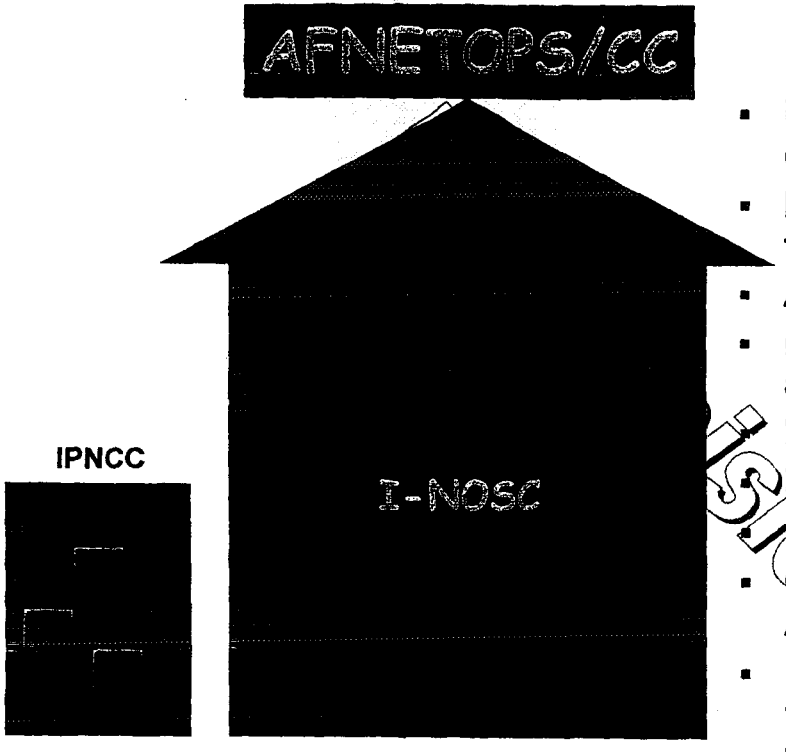
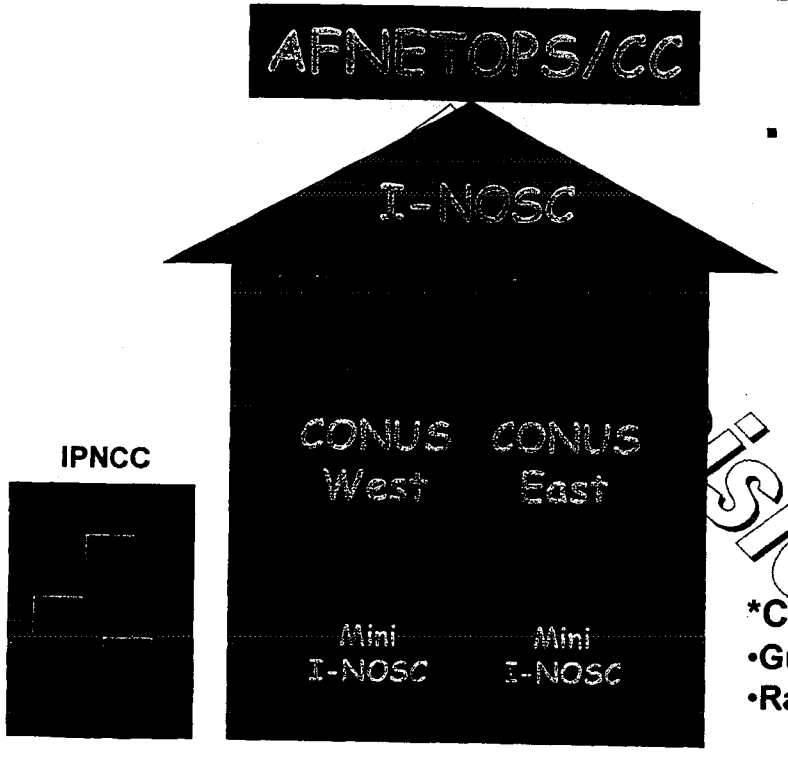
I-NOSC Desired End State (FY09+)



- Unity of command (centralized control / de-centralized execution)
- MAJCOMS retain control of unique / functional systems
- AF Net managed as an enterprise
- Fewer sites to operate, maintain, and modernize
- Less duplication of effort
- Improved C2 & security
- Postured for ConstellationNet
- Consistent presentation of AFNETOPS forces to JTF-GNO
- Single I-NOSC is a high-payoff target for adversary – need at least two locations

Draft

I-NOSC Interim State (FY08)



- Short-term limitations require an additional 2 locations
  - 2 I-NOSCs*
    - CONUS-East
    - CONUS-West
  - 2 Mini-I-NOSCs
    - Interim locations TBD
    - Geographically focused

*Currently proposed locations are:
•Gunter Annex
•Randolph or Lackland AFB

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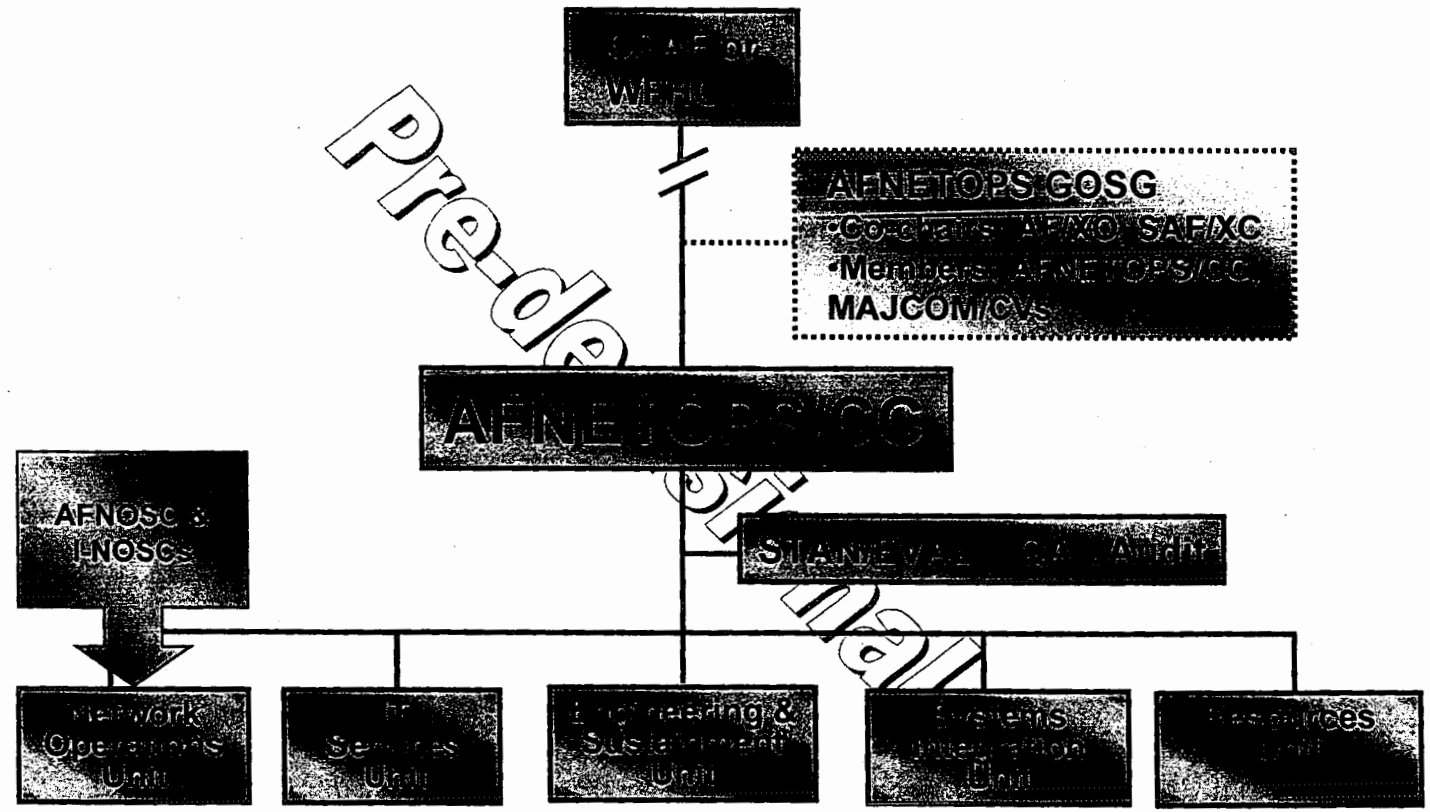
I-NOSC Operational Considerations

- ✓ AFNOSC Security Division & Ops Division are essential I-NOSC capabilities
- ✓ Near-term overseas requirements: Customer proximity, industry models, contingencies, excellent "I-NOSC launching points"
- ✓ Leverage existing capabilities (bandwidth and infrastructure)
- ✓ Establish COOP capability
- ✓ Minimize migration risks
- ✓ Mitigate vulnerability (environmental risks)
- ✓ Leverage economy (skilled/affordable/stable workforce)

Predecisional

DCN:11659

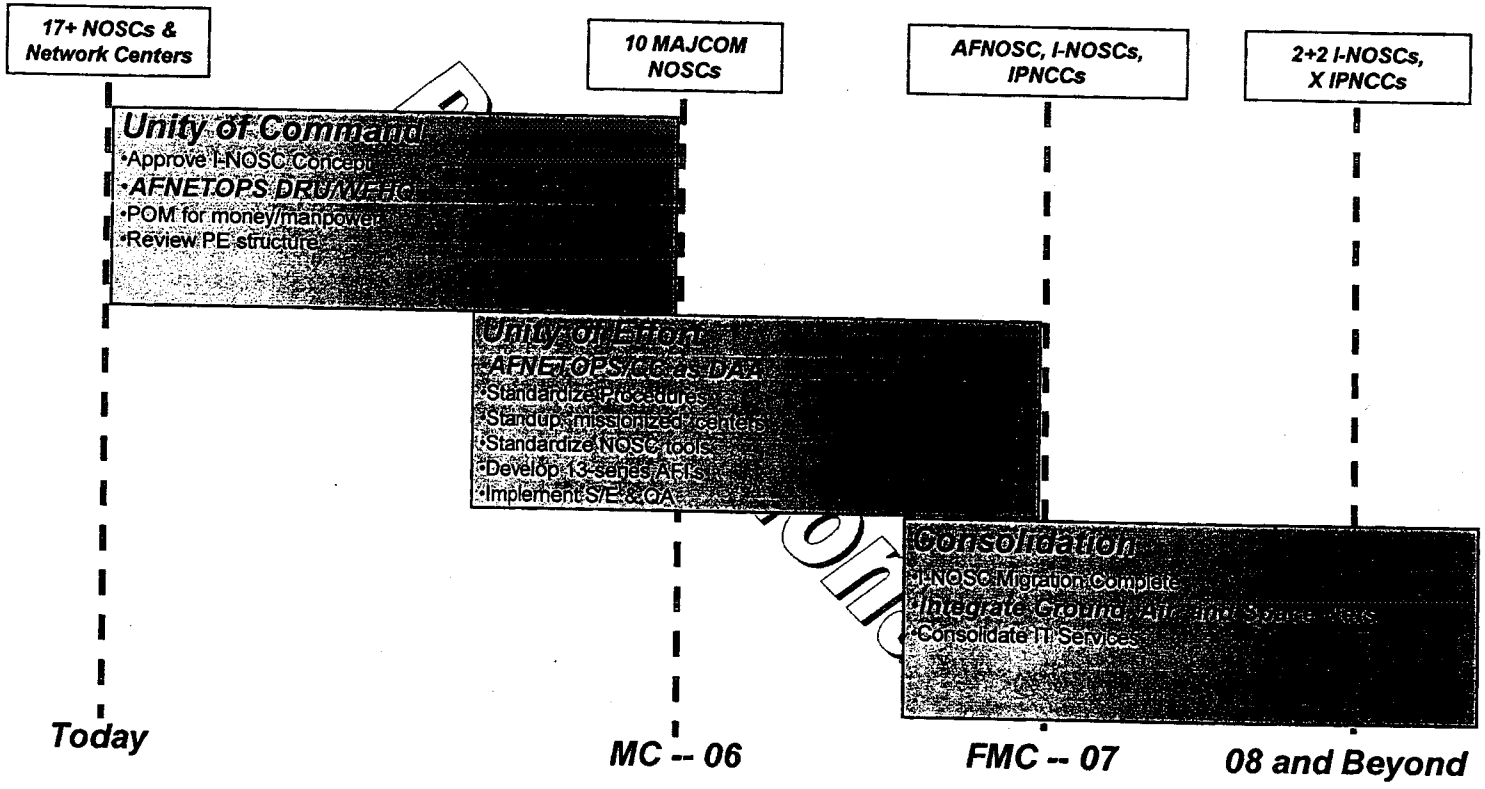
Notional AFNETOPS Organization



Pre-decisional

Integrity - Service - Excellence

I-NOSC Transformation Roadmap



Integrity - Service - Excellence

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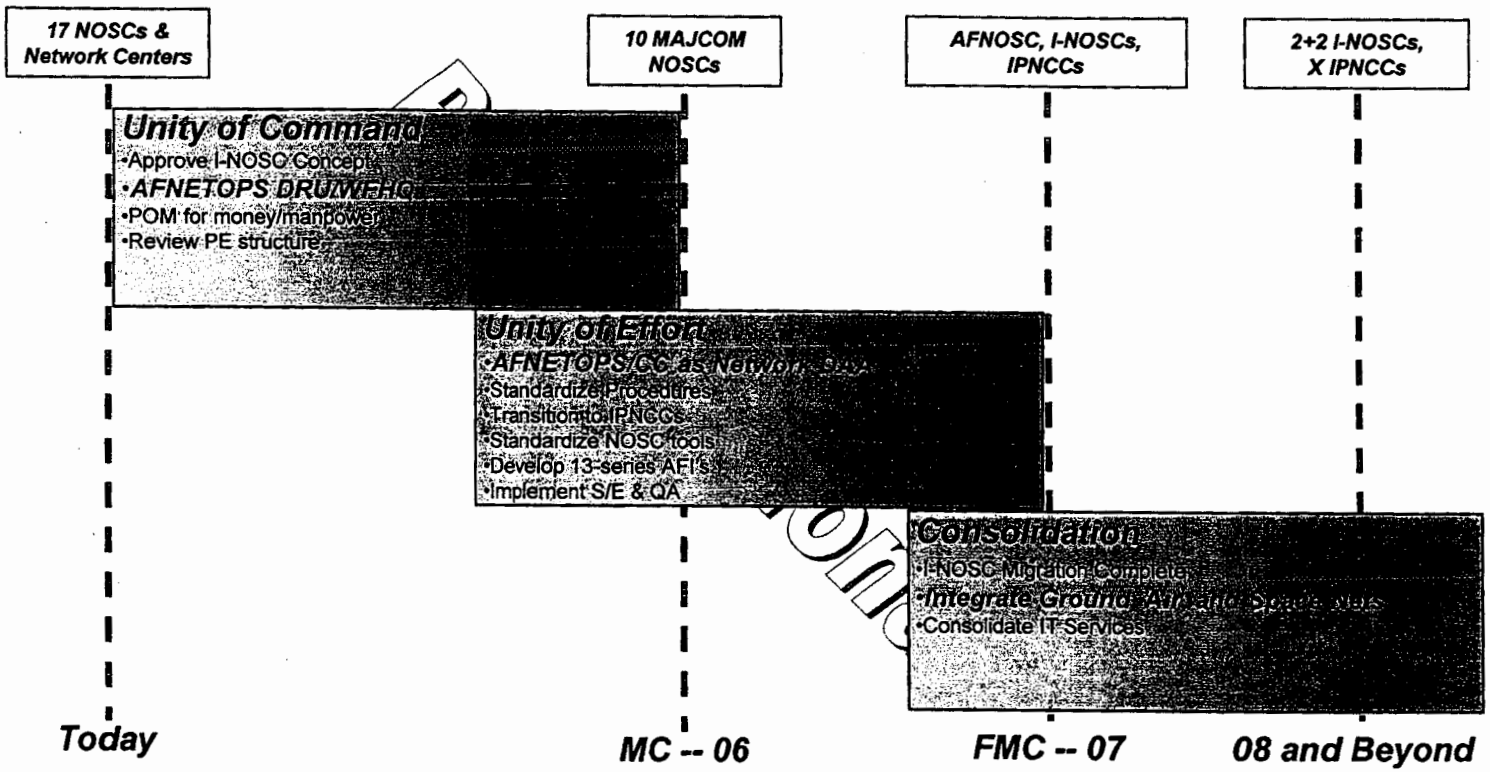
DCN:11659

I-NOSC Transformation Roadmap



Integrity - Service - Excellence

Network Designated Approval Authority (DAA)

- Per CJCSI 6510.01D, "...a DAA will be designated as responsible for overall network security and will determine security and protection requirements for system connections to the network." Enclosure D, Section 12, Paragraph b., Subparagraph (8)
- AF Enterprise Network is a trusted Community of Interest/Enclaves requiring a strategic approving authority
- AF Network DAA ensures systems have met minimum security requirements before allowing connection to the network

Provisional

DCN:11659

Way Ahead

- Approve AFNETOPS/CC as AF Network DAA
- Approve I-NOSC transformation roadmap
  - Report on reduction from 17 to 10 NOSCs at CORONA Fall
  - Brief plan for continued consolidation and further AFNETOPS transformation at CORONA Fall
- Direct AFNETOPS/CC to stand up a DRU reporting to CSAF
  - Assign AF Network Operations and Security Center (AFNOSC) to WFHQ

Pre-decisional

DCN:11659

DCN:11659

Executive Correspondence

OFFICE OF THE DIRECTOR OF
DEFENSE RESEARCH AND ENGINEERING
3040 DEFENSE PENTAGON
WASHINGTON, DC 20301-3040

JUN 3 0 2005 RECEIVED

07052005

The Honorable Anthony Principi
Chairman
Defense Base Closure and Realignment Commission
2521 South Clark Street, Suite 600
Arlington, VA 22202

Dear Chairman Principi:

During a Base Realignment and Closure Commission visit to Wright-Patterson Air Force Base, your staff asked several questions that the hosts were unable to answer. Technical Joint Cross Service Group responses to these questions are attached.

If you need further assistance please do not hesitate to contact us.

Sincerely,

Alan R. Shaffer
Executive Director
Technical Joint Cross-Service Group

Attachment:
As stated.

Wright-Patterson Air Force Base Visit
Defense Base Closure and Realignment Commission 4 Questions and
Technical Joint Cross-Service Group Response
(Prepared June 27, 2005)

Question 1

How many people support the sensors directorate effort at: Wright-Patterson Air Force Base (WP AFB)? Rome Laboratory? Hanscom Air Force Base?

Answer

Air Force Materiel Command host personnel provided the following updated information to the previously provided certified data: Off/Enl/Civ/Tot authorizations: Wright-Patterson Air Force Base-94/1/431/526; Rome-11/0/69/80; Hanscom-33/0/79/112; Total-138/1/579/718. This information is more current than the TJCSG 30 Sep 03 certified data. The Air Force Materiel Command response should be supported and used during implementation planning.

Question 2

Clarify what elements move from WP AFB (DFSG, OSSG, EIS), Gunter Annex with Maxwell AFB (OSSG), and Lackland AFB (CPSG) to Hanscom AFB. Additionally, please provide the precise unit names and numbers of authorizations for this effort.

Answer

The element to move from WP AFB is the DFSG (Development & Fielding Systems Group); the element to move from Gunter Annex is the OSSG (Operations and Sustainment Systems Group) not including any operational activities; and the element to move from Lackland AFB is the RDAT&E (Research, Development & Acquisition, and Test & Evaluation) portion of the CPSG (Crytologic Systems Group). The current number of authorizations involved is not available. The TJCSG is waiting for this data from the Air Force Material Command.

Question 3

Clarify ambiguity with the V-22 and Personnel Recovery Vehicle (PRV) move from WP AFB to Patuxent River.

Answer

This recommendation will relocate Wright-Patterson Air Force Base Aeronautical Systems Center activities related to Rotary Wing Air Platform Development & Acquisition, including V-22 and Personnel Recovery Vehicle, to Naval Air Warfare Center Aircraft Division Patuxent River.

Question 4

Provide precise terms and recommendations for 46th Test Wing move to China Lake. What will move? Will the 20 over hires and 101 contractors be identified for the move?

Answer

The TJCSG recommended the movement of work and functions or work load to Naval Air Weapons Division China Lake, but did not make specific recommendations concerning over-hires or contractors. The TJCSG expects that recommendation specificity, in general, will increase during implementation planning. The live fire survivability functions to be received by Naval Air Weapons Division China Lake will be accommodated by the construction of additional facilities. Adequate space is available at Naval Air Weapons Division China Lake to support the required building construction, and test site improvements will be done in an area already dedicated to functions that are similar to the work being moved in from Wright-Patterson Air Force Base.

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REPORT

FOR

MONTGOMERY CHAMBER OF COMMERCE

COBRA Model Analysis

Regarding

Operations and Sustainment Systems Group

Base Realignment and Closure Commission Recommendation

23 June 2005

Submitted by:
Whitney, Bradley & Brown, Inc.
1604 Spring Hill Road
Suite 200
Vienna, Virginia 22182

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DEFENSE INFORMATION SYSTEMS AGENCY

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I. Executive Summary

Secretary of Defense Rumsfeld provided the Base Realignment and Closure (BRAC) Commission the *Department of Defense Base Closure and Realignment Report* on May 13, 2005. The report contained recommendations to align the United States base force structure with the force structure that is expected to be needed over the next 20 years. The report recommendations focus on implementing Department of Defense (DoD) global force reposturing, facilitate the ongoing transformation of United States military forces to meet the challenges of the 21st century and restructure important support functions to capitalize on advances in technology and business practices. The BRAC goals are to support United States military force transformation, address the new and emerging security challenges, promote jointness and achieve significant savings.

To accomplish the BRAC process, the DoD organized into two analysis groups: the Military Departments and Joint Cross-Service Groups (JCSGs). The Military Departments looked at installations specifically devoted to their individual requirements as well as supporting operational forces, while the JCSGs focused on bases and functions that represent DoD's common infrastructure.

One JCSG, the Technical Joint Cross-Service Group explored research, development, acquisition, test and evaluation (RDAT&E) functions across the Department of Defense. One of the Technical JCSG subgroups, Command, Control, Communications and Computers and Intelligence, Surveillance and Reconnaissance (C4ISR) provided a recommendation to create a C4ISR RDAT&E Center of Excellence at Hanscom AFB, MA, by realigning many units to include the Operations and Sustainment Systems Group (OSSG) located at Maxwell AFB, AL.

The subgroup based their recommendation on an evaluation of military value criteria, a review of scenarios to maximize military value and minimize capacity retained and a comparison against other considerations to include Payback Period, Environmental Factors, Community Infrastructure and Economic Impact.

The BRAC COBRA Model was then used to calculate the savings associated with this realignment of the OSSG. Upon examination of the COBRA Model data concerning the OSSG (referred to as the Baseline Case), Whitney, Bradley & Brown, Inc. (WBB) found numerous inconsistencies in the assumptions and data: military and civilian manpower numbers were inaccurate, contractor data was omitted and military construction to complete the realignment was overly optimistic.

Accordingly, WBB captured and evaluated these inconsistencies in alternative scenarios. Four significant alternative scenarios examined included:

- Alternative 1 – No realignment of the OSSG. WBB ran this alternative first, based on the fact that the OSSG mission is predominately operations and sustainment vice RDAT&E—the intent of the C4ISR RDAT&E Center of Excellence. The results of the COBRA Model indicated a Net Present Value of +$159M (i.e., no savings) with a Payback Period of 100 years. The impact of this alternative is that without the realigning the OSSG, the BRAC recommendation to create a C4ISR RDAT&E Center of Excellence would not be realized

- Alternative 2 – Baseline Case, but included the Missing Contractor data. This excursion examined the DoD COBRA run as given (Baseline Case), but included the 940-contractor current OSSG workforce.

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In other words, accepting the DoD COBRA data and simply adding in the OSSG contractor workforce. The COBRA Model yielded a Net Present Value of +$119 M (i.e., no savings) with a Payback Period of 51 years. In essence, this excursion adds the reality of the contractor workforce in the DoD COBRA calculations—with no savings realized

- Alternative 3 – Move the OSSG, but use the onboard or actual workforce (military, government civilian and contractor) located at Maxwell AFB, AL, today. The intent is to see the impact of moving the OSSG (in line with the BRAC recommendation) with the correct number of personnel. Using this information, the COBRA Model gave a Net Present Value of +$413M (i.e., no savings) and there is not a Payback Period (i.e., the payback is never reached)

- Alternative 4 – Onboard personnel or the actual workforce (military, government civilian and contractor) located at Maxwell AFB, AL, today and move the RDT&E portion of the OSSG to Hanscom AFB, MA, in line with the intent of the BRAC recommendation to create a C4ISR RDAT&E Center of Excellence. In this case, the COBRA Model calculated a Net Present Value of +$.98M (i.e., no savings) and a Payback Period of 48 years

The results of these three last alternatives are summarized in the table below.

COBRA Model Excursions – Maxwell AFB, AL

	Baseline DoD Scenario	Alternative 2 - Include Missing Contractor Data to Baseline Case	Alternative 3 - Move OSSG using Onboard Personnel and Contractor Personnel	Alternative 4 - Onboard Personnel plus RDT&E Portion of OSSG moves
Net Present Value	- $229M	+$119M	+$413M	+$.98M
Payback Period	8 years	51 years	Never	48 years
Issues	Authorized versus onboard; No contractors included	Contractors 50% of the workforce	Working capital funding onboard versus authorized with no funds	Long time for payback
Impact	No real savings	Includes reality of contractors in the analysis	Cost plus mission degradation	Completes C4ISR COE alignment

COBRA Model Alternatives Comparison Table

After running several excursions or alternate scenarios, WBB concluded that no savings were possible if the correct manpower figures were used in the COBRA Model.

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II. Introduction

Public Law 101-510, as amended, requires the Secretary of Defense to provide the Defense Base Closure and Realignment (BRAC) Commission a report containing the Department of Defense (DoD) recommendations to realign or close military installations within the United States and its territories. Secretary Rumsfeld complied with requirement on May 13, 2005.

The DoD recommendations are intended to align US base structure with the force structure that is expected to be needed over the next 20 years. These proposals focus on implementing DoD global force reposturing, facilitate the ongoing transformation of US forces to meet the challenges of the 21st century and restructure important support functions to capitalize on advances in technology and business practices. Overall, these recommendations are designed to support force transformation; address new threats, strategies and force protection concerns; consolidate business-oriented support functions; promote joint and multi-Service basing; and, provide significant savings.

As required by law, the BRAC process entailed comprehensive and comparable analyses of all installations in the United States and its territories, using military value as the primary consideration. In reviewing its base structure, DoD considered the capabilities needed to support potential mobilization and surge requirements, as well as the unique installation needs of Reserve Component forces. Moreover, DoD placed special emphasis on retaining the infrastructure and capabilities necessary to respond to contingencies.

DoD organized its analysis into two groups: the Military Departments which analyzed installations devoted exclusively to their requirements, as well as supporting operational forces; and Joint Cross-Service Groups (JCSGs) which scrutinized the bases and functions that constitute the DoD's common support infrastructure. The joint groups were composed of senior representatives of the Military Departments, the Joint Staff and OSD.

One JCSG, the Technical Joint Cross-Service Group (TJCSG) was chartered to review the following DoD technical functions: Research; Development and Acquisition; and, Test and Evaluation. The research function included basic research, exploratory development and advanced development. The development and acquisition function included system development and demonstration, systems modifications, experimentation and concept demonstration, product/in-service life-cycle support and acquisition. The test and evaluation function included the formal developmental test and evaluation (DT&E) and the formal operational test and evaluation (OT&E).

To baseline the TJCSG analysis and recommendation development, the group established two guiding principles and an overarching strategic framework. The two principles were:

- Provide efficiency of operations by consolidating technical facilities to enhance synergy and reduce excess capacity

- Maintain competition of ideas by retaining at least two geographically separated sites, each of which would have similar combination of technologies and functions. This would also provide continuity of operations in the event of an unexpected disruption

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In concert with these two principles, the TJCSG used a strategic framework to establish multifunctional and multidisciplinary technical Research, Development, Acquisition, Training & Evaluation (RDAT&E) Centers of Excellence which should provide the scientific and technical advances to enable DoD to develop capabilities and weapons that are technologically superior to those of potential adversaries into the future. Furthermore, the multifunctional and multidisciplinary nature of the Centers of Excellence should allow for more rapid transition of technology and enhance integration of multiple technologies. Finally, the Centers of Excellence were to be complemented by DoD's existing technical facilities that have a disciplinary focus.

The TJCSG also recognized that to effectively accomplish the DoD's RDAT&E functions, key partners outside DoD were essential, to include other government organizations, industry, universities and the international community. Finally, the rapidly changing and uncertain environment of the 21st century required that the TJCSG analysis and recommendations ensure that surge capability would be available for the future Defense RDAT&E infrastructure.

TJCSG recommendations provided the Department Centers of Excellence in the following three areas: Defense Research laboratories; RDAT&E Centers; and, Integrated Command, Control, Communications and Computers and Intelligence, Surveillance and Reconnaissance (C4ISR) Centers.

To organize its efforts, the TJCSG established five subgroups, each of which took responsibility for evaluating a set of technical activities. The subgroup of importance to the Montgomery Chamber of Commerce was the C4ISR Subgroup. Each subgroup conducted a detailed analysis for capacity, military value, scenario development and analysis; and finally developed and evaluated candidate recommendations.

III. Base Realignment and Closure Commission Language

The specific language regarding Maxwell AFB, AL, in the *Department of Defense Base Closure and Realignment Report*, May 2005, is contained below.

Consolidate Air and Space C4ISR Research, Development & Acquisition Test & Evaluation

Recommendation: Realign Wright-Patterson Air Force Base, OH, Maxwell Air Force Base, AL, and Lackland Air Force Base, TX, by relocating Air & Space Information Systems Research and Development & Acquisition to Hanscom Air Force Base, MA. Realign Eglin Air Force Base, FL, by relocating Air & Space Sensors, Electronic Warfare & Electronics and Information Systems Test & Evaluation to Edwards Air Force Base, CA.

Justification: This recommendation will reduce the number of technical facilities engaged in Air & Space Sensors, Electronic Warfare, and Electronics and Information Systems RDAT&E from 6 to 2. Through this consolidation, the Department will increase efficiency of RDAT&E operations resulting, in a multi-functional Center of Excellence in the rapidly changing technology area of C4ISR.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is $254.4M. The net of all costs and savings to the Department during the implementation period is a cost of $115.3M. Annual recurring savings to the Department after implementation are $36.2M with a payback

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expected in 8 years. The net present value of the costs and savings to the Department over 20 years is a savings of $238.0M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 2,250 jobs (1,262 direct jobs and 988 indirect jobs) over the 2006-2011 period in the Dayton, OH, Metropolitan Statistical Area, which is 0.44 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 384 jobs (220 direct jobs and 164 indirect jobs) over the 2006-2011 period in the Fort Walton Beach-Crestview-Destin, FL, Metropolitan Statistical Area, which is 0.32 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 3,254 jobs (1,971 direct jobs and 1,283 indirect jobs) over the 2006-2011 period in the Montgomery, AL, Metropolitan Statistical Area, which is 1.6 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 212 jobs (110 direct jobs and 102 indirect jobs) over the 2006-2011 period in the San Antonio, TX, Metropolitan Statistical Area, which is less than 0.1 percent of economic area employment.

The aggregate economic impact of all recommended actions on these economic regions of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: This recommendation has the potential to impact air quality at Hanscom AFB, MA, and Edwards AFB, CA. Additional operations at Hanscom AFB, MA, and Edwards AFB, CA, may impact archeological sites, which may constrain operations. This recommendation may require building on constrained acreage at Hanscom AFB, MA. Additional operations on Edwards AFB, CA, may impact threatened and endangered species and/or critical habitats. The hazardous waste program at Hanscom AFB, MA, will need modification. Additional operations may impact wetlands at Hanscom AFB, MA, which may restrict operations. This recommendation has no impact on dredging; marine mammals, resources, or sanctuaries; noise; waste management; or water resources. This recommendation will require spending approximately $0.5M cost for waste management and environmental compliance activities. This cost was included in the payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management, and environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the bases in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

Each recommendation, rooted in the Department's long-term force structure plan and installation inventory, was measured against eight criteria. The Department gave priority consideration to military value (Criteria 1-4), then considered costs and savings (Criteria 5) and finally assessed the economic impact on local communities, the community support infrastructure and the environmental impact (Criteria 6-8).

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IV. Military Value Criteria

As required by statue, the military value of an installation or activity was the primary consideration in developing DoD's recommendations for base realignments and closures. For DoD, military value has two components: a quantitative component; and a qualitative component. The qualitative component is the exercise of military judgment and experience to ensure rational application of the criteria. The quantitative component assigns attributes, metrics and weights to the selection criteria to arrive at a relative scoring of facilities within assigned functions.

To arrive at a quantitative military value score, subgroup members began by identifying attributes or characteristics for each criterion. They weighted attributes to reflect their relative importance based on things such as their military judgment or experience, the Secretary of Defense's Transformational Guidance and BRAC principles. Metrics were subsequently developed to measure these attributes. The metrics were also weighted to reflect relative importance, again using military judgment, transformational guidance and BRAC principles. Once attributes had been identified and weighted, the subgroup members developed questions for use in military value data calls. If more than one question was required to assess a given metric, these were likewise weighted. Each analytical subgroup member prepared a scoring plan, and data call questions were forwarded to the field. These plans established how answers to data call questions were to be evaluated and scored. With the scoring plans in place, the Military Departments and JCSGs completed their military value data calls. These were then forwarded to the field by the Military Departments and Defense Agencies. The analytical subgroup members input the certified data responses into the scoring plans to arrive at a numerical score and a relative quantitative military value ranking of facilities/installations against their peers.

In selecting military installations for closure or realignment, DoD gave priority consideration to military value (the four criteria listed below):

(1) The current and future mission capabilities and the impact on operational readiness of the total force of the Department of Defense, including the impact on joint warfighting, training and readiness
(2) The availability and condition of land, facilities and associated airspace (including training areas suitable for maneuver by ground, naval or air forces throughout a diversity of climate and terrain areas and staging areas for the use of the Armed Forces in homeland defense missions) at both existing and potential receiving locations
(3) The ability to accommodate contingency, mobilization, surge and future total force requirements at both existing and potential receiving locations to support operations and training
(4) The cost of operations and the manpower implications

In addition to the Military Value criteria, other factors were considered.

V. Scenario Development

With the capacity and military value analyses complete, the TJCSG then began an iterative process to identify potential closure and realignment scenarios. These scenarios were developed using either a data-driven

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optimization model or a strategy-driven approach. Each approach relied heavily on the military judgment and experience of the subgroup members.
The optimization models incorporated capacity and military value analysis results and force structure capabilities to identify scenarios that maximized military value and minimized the amount of capacity retained. These models were also used to explore options that minimized the number of sites required to accommodate a particular function or maximized potential savings. As data results were analyzed, the subgroup members evaluated additional scenario options.

A second methodology of generating scenarios for analysis was driven by the TJCSG strategy. Scenarios developed by this method were verified against data collected in earlier capacity and military value analysis.

VI. Other Considerations Criteria

Once the decision makers determined that the particular scenario was consistent with or enhanced military value, they proceeded to evaluate the scenario against the remaining selection criteria. Those criteria include determining Payback and Economic Impact, Assessing Community Infrastructure and determining Environmental Impact. The Other Considerations criteria specifically include the following:

(5) The extent and timing of potential costs and savings, including the number of years, beginning with the date of completion of the closure or realignment, for the savings to exceed the costs
(6) The economic impact on existing communities in the vicinity of military installations
(7) The ability of the infrastructure of both the existing and potential receiving communities to support forces, missions and personnel
(8) The environmental impact, including the impact of costs related to potential environmental restoration, waste management and environmental compliance activities

In the final stages of the scenario analysis process, using analysis against all eight selection criteria, each analytical subgroup member determined which of its scenarios to recommend for approval. Any scenario recommended became a candidate recommendation. The OSSG became one of those recommendations.

VII. Operations and Sustainment Systems Group

The Operations and Sustainment Systems Group (OSSG) is part of the Operations Support Systems Wing located at Hanscom Air Force Base, MA. The Operations Support Systems Wing has more than 3,600 people assigned (to include 230 officers, 670 enlisted personnel, 1,200 civilians and 1,500 contractors). The Operations Support System Wing designs, acquires, installs and maintains operations support systems for the Air Force and the DoD. The wing, one of four acquisition wings at Headquarters Electronic System Command, acquires and maintains systems used by virtually every organization on Air Force bases world wide. The Wing is responsible for ACAT I programs valued at over $3.1B located world wide and is considered the Information Technology Center of Excellence for the Warfighter. The primary mission areas include:

- Program Management
- Operations and Sustainment

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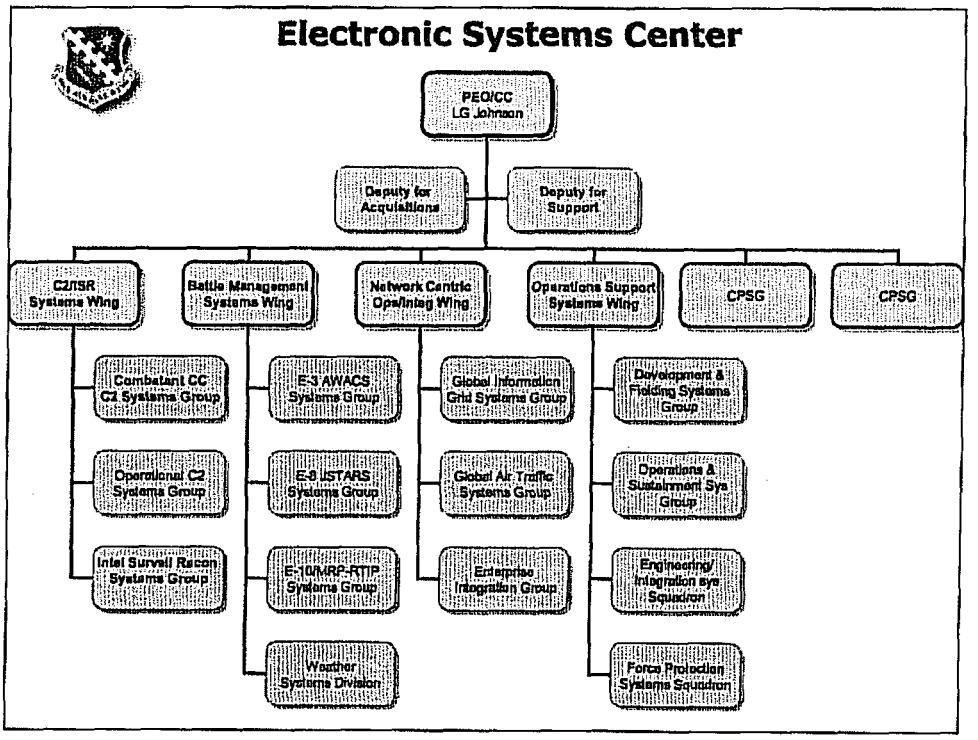
- Information Technology Commodities Acquisition

The wing is composed of four geographically separated units (see diagram below):

- Development Fielding Systems Group (Wright-Patterson AFB, OH)
- Operations and Sustainment Systems Group (Maxwell AFB, AL)
- Engineering/Integration Systems Squadron (Maxwell AFB, AL)
- Force Protection Systems Squadron (Hanscom AFB, MA)



Electronics System Center with the Operations Support Systems Wing

The largest organization within the Operations Support Systems Wing is the OSSG. The OSSG provides technical and customer service support as well as acquisition and program management oversight for over 160 Combat Support Information Technology (IT) systems. The mission of the OSSG is to, "*Provide and support secure combat support information systems and networks for the Air Force and DoD components using innovative IT contracts to acquire and manage Enterprise services and commodities.*"

The OSSG also manages the Air Force standard desktop environment, and serves as the Air Force lead for software program management under the auspices of the DoD Enterprise Software Initiative. The OSSG provides Air Force Network Operations Security for circuits and routers, and provide situational awareness for their DoD customers. Their Field Assistance Branch is responsible for over 11 systems worldwide as well as providing the Air Force infrastructure support for systems such as the Integrated Logistics System for Supply Operations, the Deliberate Crisis Action Planning Execution System, the Logistics Contingency Assessment Tool, the Combat Ammunition System, the Global Combat Support System-AF, the Defense Management

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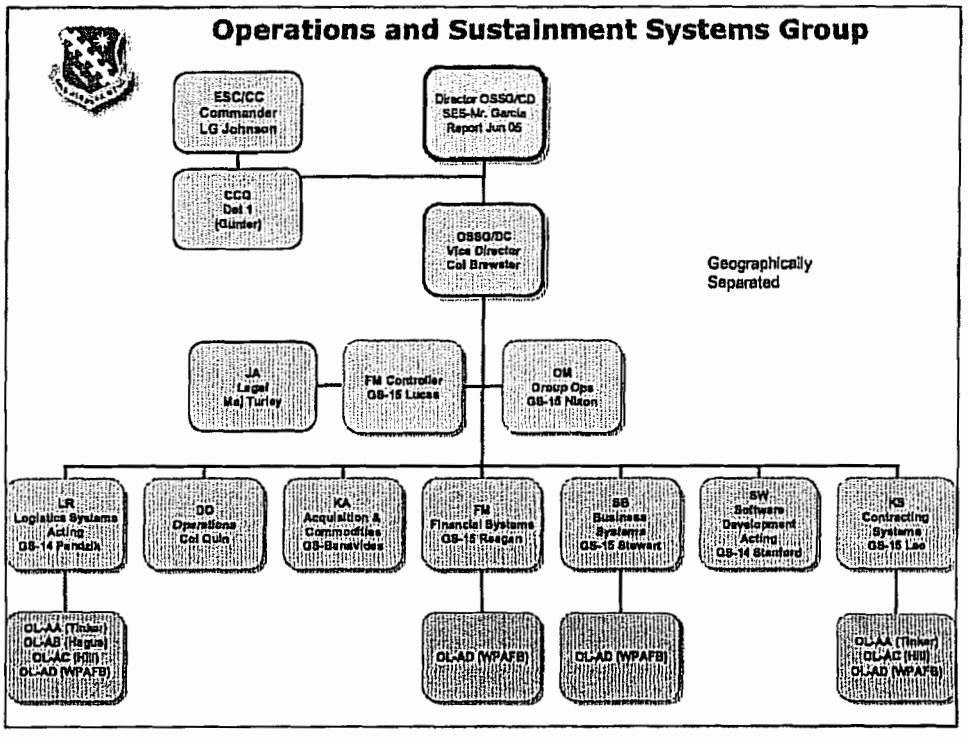
System, the Combat Information Transport System and firewalls. The OSSG has over 1,100 government employees to include a mix of officer, enlisted, civilian and contractors in geographically separated locations. See the diagram below.



Operations and Sustainment Systems Group

Additionally, the OSSG has an annual Working Capital Fund operating budget of $303M. Finally, the OSSG manages 51 Air Force Contracts and Basic Purchasing Agreements with a total value of $13.1B.

VIII. COBRA Model Analysis

COBRA is an economic analysis model. It estimates the costs and savings associated with a proposed base closure or realignment action. The model output can be used to compare the relative cost benefits of alternative BRAC actions. COBRA is not designed to produce budget estimates, but to provide a consistent and auditable method of evaluating and comparing different courses of action in terms of the resulting economic impacts for those costs and savings measured in the model.

The COBRA Model calculates the costs and savings of base stationing scenarios over a period of 20 years. It models all activities (moves, construction, procurements, sales, closures) as taking place during the first 6 years, and thereafter all costs and savings are treated as steady-state. The key output value produced is the Payback Year. This is the point in time where savings generated equal (and then exceed) costs incurred. In other words, this is the point when the realignment/closure has paid for itself and net savings begin to accrue. The Payback Period is the period between the end of the realignment action and the Payback year.

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The COBRA Model allows alternative closure/realignment scenarios to be compared in terms of when the Payback Year is reached. Should a Payback Year not be achieved for a specific scenario, that scenario will result in a net cost rather than savings. Similarly, if a scenario has a long Payback Period it will not start to generate net savings until well after the BRAC action would have been completed. Such an action would generally be less economically beneficial than one with an earlier Payback Year.

The COBRA Model also calculates and reports the Net Present Value (NPV) for the 20 year planning period of each scenario analyzed. NPV is the present value of future costs of a scenario, discounted at the appropriate rate, minus the present value of future savings from the scenario. All dollar values, regardless of when they occur, are measured in constant base-year dollars. This is important because it eliminates artificial distinctions between scenarios based on inflation, while highlighting the effects of timing on model results. Costs and savings are calculated for each year of the 20 year planning period. For each year, total costs and savings are then summed to determine a net cost for that year. The net cost of each year is then added to the net cost for preceding years to determine the total net cost to that point in time. The sum of the total net costs for all 20 years is the Net Present Value of the scenario.

A. Baseline Case – DoD Scenario

Using the COBRA Model, WBB examined the scenario concerning the Maxwell AFB, AL, and the Operations and Sustainment Systems Group data as provided by the Montgomery Chamber of Commerce. This option will be referred to as the DoD Baseline Case. The COBRA Model calculated the Net Present Value of -$229M (i.e., no savings) and a Payback Period of 8 years for this scenario.

After a thorough review of the COBRA Model calculations, WBB identified several inconsistencies impacting savings. The "heart" of the issue revolves around authorized end strength for the OSSG. The going in assumption for the COBRA Model calculations is that there are dollars associated with the military and civilian end strength numbers. In reality and as noted earlier, the OSSG is a working capital funded organization (as opposed to mission funding). The distinction is important. In a working capital funded organization, end strength authorizations have no funds associated with them. Moreover and by law, with a working capital fund revenue must be aligned with cost and not associated with military and civilian end strength. Furthermore, given that the OSSG just accomplished a Most Efficient Organization (MEO) competition, the OSSG is in fact at MEO strength now and no manpower savings would be realized or achieved with realignment—the savings has already been taken. Simply put, the "savings" associated with the military and civilian end strength authorizations, as assumed in the BRAC COBRA Model calculations, have already been taken in the MEO process. WBB identified some additional discrepancies in the COBRA Model calculations. They include:

- The COBRA Model data reduces the OSSG personnel levels below that which the organization identified in the recent MEO process. The MEO identified 1,015 personnel (as seen in the Actual Onboard Column below) as the number required competing within the A-76 framework, yet DoD used a figure of 839 to base their cost justifications. The figure used in the COBRA Model calculations is 30 percent lower than the authorized end strength personnel levels, and 18 percent below the actual onboard number—with no rationale provided. See the chart below

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	Authorized	30% Reduction used in COBRA	Actual Onboard (5/25/2005)	Delta from COBRA to Onboard
Officers	135	95	101	+6
Enlisted	534	374	431	+57
Civilians	528	370	483	+113
Total	1197	839	1015	+176

Operations and Sustainment Systems Group Manpower Table

- There is no data in the COBRA Model on contractor support and the associated costs. There are approximately 940 contractors (approximately 50 percent of the OSSG workforce) working in Montgomery both on-site and off-site directly supporting the OSSG. A preliminary review of contractor support costs by labor man-hour between the two geographic areas (Montgomery, AL, and Boston, MA) indicates at least a 30 to 35 percent increase in the cost for a man-hour of support from a person with the same knowledge and same skill requirements by moving the work from Maxwell AFB, AL, to Hanscom AFB, MA. Even without including the additional costs of each officer, enlisted and civilian who will receive a larger locality pay, there is a potential 15 percent increase in the overall manpower cost to operate in the long-term due to contractor labor costs

- The COBRA Model calls for Military Construction (MILCON) funds in FY06 and FY07. Based on the statutory requirement to Congress of MILCON requests two years prior to execution and the fact that the FY06 budget is under Congressional review now, it appears the proposed realignment could not take place any earlier than FY09. A further complicating factor is the need for a sophisticated, environmentally sensitive Information Technology facility to house the OSSG

In summary, the DoD Baseline Case has several "apparent" inconsistencies in the data used for the calculations. Therefore the savings (Net Present Value and the Payback Period) appear to be suspect. (Baseline Case COBRA Model Data is in Appendix 1.)

Accordingly, WBB ran five alternative scenarios or excursions. These alternative scenarios captured and evaluated the inconsistencies noted during the DoD Baseline Case COBRA Model data review. The five excursions examined include the following:

- Alternative 1 – No realignment of the OSSG. WBB ran this alternative first based on the fact that the OSSG mission is predominately operations and sustainment vice RDAT&E—the intent of the BRAC recommendation realignment to create a C4ISR RDAT&E Center of Excellence

- Alternative 2 – Baseline Case, but include the Missing Contractor data. This excursion examined the DoD COBRA run as given, but included the OSSG 940-person contractor workforce to ensure the entire OSSG workforce was included in the realignment computations

- Alternative 3 – Move the OSSG, but use the onboard or actual workforce located at Maxwell AFB, AL,

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today. The intent is to see the COBRA Model results of moving the entire OSSG with the correct number of personnel (military, government and contractor)

- Alternative 4 – Use the onboard or actual workforce located at Maxwell AFB, AL, today and move the RDT&E portion of the OSSG (165 personnel) to Hanscom AFB, MA. This excursion was run to meet the intent of the BRAC recommendation to create the C4ISR RDAT&E Center of Excellence with the RDT&E portion of the OSSG

- Alternative 5 – Baseline Case, plus move onboard or actual workforce associated with the RDT&E portion of the OSSG (165 personnel) to Hanscom AFB, MA. This last COBRA Model run takes the COBRA Model data as given and moves the RDT&E portion of the OSSG to create the C4ISR RDAT&E Center of Excellence at Hanscom AFB, MA

The variables across the scenarios include the number of military, government civilians and contractors; and varying the organization move to include the RDT&E portion of the OSSG.

B. Alternative 1 - No Realignment of OSSG

Alternative 1 is a scenario to examine completely taking Maxwell AFB, AL, and the Operations and Sustainment Systems Group out of BRAC COBRA Model calculations. This alternative was examined because the OSSG mission is predominately operations and sustainment, not RDAT&E as presented in the BRAC recommendation to create the C4ISR RDAT&E Center of Excellence

Modification to COBRA Assumptions: Maxwell AFB, AL, is completely removed from the scenario.

Results: Essentially this excursion indicates the concept of the C4ISR RDAT&E Center of Excellence is only feasible from a cost savings perspective if Maxwell AFB, AL, and the OSSG, or some organization of similar size, is included in some form or fashion. In short, using this scenario, the C4ISR Center of Excellence would not be realized. Using this alternative, the COBRA Model calculates the Net Present Value of +$159M (i.e., no savings) and a Payback Period of 51 years. (Alternative 1 COBRA Model Data is in Appendix 2.)

C. Alternative 2 – Include Missing Contractor Data to Baseline Case

This alternative examines a scenario where the COBRA Model uses the Baseline Case with the approximately 940 contractors included in the movement of the OSSG to Hanscom AFB, MA.

Modification to COBRA Assumptions: The contractor costs are included in the COBRA Model calculations. Due to the fact that contractor manning is over half the OSSG workforce, the contractor costs were added to the model as Base Information (Dynamic) to account for these costs. The support is the equivalent of "industrial operations" and was removed from Maxwell AFB, AL, and added to Hanscom AFB, MA. A cost of doing business factor of 30 percent was included for contracting at Hanscom AFB, MA. The data points gathered to support the 30 percent figure range from 20 to 40 percent—the average was included. A contractor figure of 864 was input in the model at a man-year contract cost rate of $100K was used for the Montgomery locale.

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Results: Importantly, this excursion includes the contractor workforce—the major component of the OSSG. To make the BRAC COBRA Model analysis credible, the entire workforce must be factored in. This realignment action could not be a success with a reasonable portion of the workforce. Using this modified scenario, the COBRA Model calculates the Net Present Value of +$119M (i.e., no savings) and a Payback Period of 51 years. (Alternative 2 COBRA Model Data is in Appendix 2.)

D. Alternative 3 - Move OSSG, but utilize actual onboard military, government civilian and contractors

The Alternative 3 scenario is a slight adjustment to Alternative 2 above. This alternative incorporates the actual or onboard number of military and government civilians at the post-MEO end strength, plus it includes the appropriate contractor data (the 940 personnel).

Modification to COBRA Assumptions: The actual onboard number of personnel vice the authorized end strength personnel numbers were used along with the contractor data (940 contractors) to see if the results were similar to the baseline and Alternative 2 excursions. Onboard personnel numbers are a true reflection of the cost savings available vice using the inflated authorized end strength. Base manpower savings remained the same as in the Baseline Case run. A 10 percent savings of personnel from the OSSG was used from the onboard personnel numbers to account for management overhead savings. This yielded an end strength reduction of 10 officers, 43 enlisted personnel and 48 contractors.

Results: This excursion allows a review of a Working Capital Funded organization vice a mission funded activity. This scenario also takes into account the recently completed MEO. Using this modified scenario, the COBRA Model calculates the Net Present Value of +$413M (i.e., no savings) and the Payback Period is never reached. The impact is a substantial cost, plus probable mission degradation. (Alternative 3 COBRA Model Data is in Appendix 2.)

E. Alternative 4 - Utilize actual onboard military, government civilians and contractors plus move the RDT&E portion of OSSG

Alternative 4 is a slight excursion from Alternative 3. In this alternative the onboard manpower numbers are considered as in the previous alternative, but just the RDT&E portion of the OSSG is realigned to Hanscom AFB, MA.

Modification to COBRA Assumptions: Using the data in Alternative 3, the RDT&E personnel are moved. This includes 5 officers, 10 enlisted personnel, 62 civilians and 89 contractors. As compared to Alternative 3, 17 personnel vice 85 base personnel are eliminated. The remaining personnel are Operations and Sustainment focused with the OSSG.

Results: This alternative completes the C4ISR Center of Excellence alignment at Hanscom AFB, MA. However, the Payback Period is a substantial amount of time. Using this modified scenario, the COBRA Model

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calculates the Net Present Value of +$.98M (i.e., no savings) with a Payback Period of 48 years. (Alternative 4 COBRA Model Data is in Appendix 2.)

F. Alternative 5 - Baseline, plus onboard personnel and move the RDT&E portion of the OSSG

Finally, Alternative 5 takes the Baseline Case, plus the onboard personnel of the RDT&E portion of the OSSG and realigns them to Hanscom AFB, MA. It also includes the contractor workforce (approximately 940 personnel).

Modification to COBRA Assumptions: Uses the baseline numbers for manpower and moves the same personnel as Alternative 4.

Results: Using this modified scenario, the COBRA Model calculates the Net Present Value of -$129M and a Payback Period of 10 years. These are "false savings" as the savings come from moving the authorized versus onboard figures. (Alternative 5 COBRA Model Data is in Appendix 2.)

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IX. Conclusion

The Department of Defense uses a methodical approach to determine BRAC realignment and closure recommendations. A thorough review by either the Military Departments or the Joint Cross-Service Groups examines the military value, develops appropriate scenarios and evaluates a set of four additional criteria. Finally COBRA, an economic analysis model, is used to calculate the associated recommendation cost and savings to determine a Net Present Value and Payback Period.

With respect to the proposed recommendation to realign the Operations and Sustainment Systems Group from Maxwell AFB, AL, to Hanscom AFB, MA, to form the C4ISR RDAT&E Center of Excellence, several inconsistencies were found in the COBRA Model data provided by the Montgomery Chamber of Commerce. The major discrepancies included the use of incorrect manpower figures, the omission of the contractor workforce and an overly optimistic MILCON projection to meet the timely realignment of the Operations and Sustainment Systems Group.

WBB captured these oversights and ran several new excursions or alternate scenarios to evaluate these inconsistencies. Two observations became apparent: creating a C4ISR RDAT&E Center of Excellence is not feasible without including the OSSG or some similarly sized organization; after reviewing all alternatives, savings are not achieved when using the correct number of personnel (military, government civilian and contractor) in any combination of realignment alternatives. The results are summarized in the table below.

COBRA Model Excursions – Maxwell AFB, AL

	Baseline DoD Scenario	Alternative 1- No Realignment of OSSG	Alternative 2– Include Missing Contractor Data to Baseline Case	Alternative 3 - Move OSSG using Onboard Personnel and Contractor Personnel	Alternative 4 - Onboard Personnel plus RDT&E Portion of OSSG moves	Alternative 5 – Baseline, Plus Onboard personnel and RDT&E Portion of OSSG moves
Net Present Value	- $229M	+ $159M	+$119M	+$413M	+$.98M	- $129M
Payback Period	8 years	100 years	51 years	Never	48 years	10 years
Issues	Authorized versus onboard; No contractors included	Maxwell AFB not included in scenario	Contractors 50% of the workforce	Working capital funding onboard versus authorized with no funds	Long time for payback	Authorized versus onboard
Impact	No real savings	COE efforts not realized	Includes reality of contractors in the analysis	Cost plus mission degradation	Completes C4ISR COE alignment	False savings

A negative Net Present Value is good (-)

COBRA Model Excursions Comparison Table

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As can be readily seen in the table, under no circumstances is a savings achieved involving the realignment of the Operations and Sustainment Systems Group if the correct manpower figures are used.

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Appendix 1: COBRA Data Baseline Case Files

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DCN:11659

Testimony for Congressman Mike D. Rogers (Alabama)

Base Realignment and Closure Commission – Atlanta, Georgia

June 30, 2005

Thank you, Chairman Principi, and Members of the BRAC Commission. I appreciate the opportunity to be here today with my colleagues from Alabama, and thank you for allowing me to include my remarks before the Commission.

Before I begin, I would like to express my appreciation to each of you for your service on this panel. This process is one of acute importance to our national security. While you will be challenged over the next few months to accept or reject the recommendations made by the Department of Defense, I have complete confidence in your ability to do what is best for our military and best for our national defense.

Alabama's Third Congressional District is home or contiguous to three major military installations of critical importance to our military's readiness: the Anniston Army Depot, Maxwell-Gunter Air Force Base in Montgomery, and Fort Benning in Columbus, Georgia.

I would like to take this opportunity to discuss the Department's recommendations regarding Maxwell-Gunter Air Force Base. On the whole, the recommendation to consolidate the Air and Space C4ISR Research and Development and Acquisition and Test and Evaluation (RDAT&E) is a reasonable proposal. Elimination of duplicative facilities is critical in any organization, and I support the concept of reducing the RDTAT&E technical facilities to increase the program's overall efficiency.

However, I disagree wholeheartedly with the Secretary's recommendation that the Operations and Sustainment Systems Group (OSSG) located at Maxell-Gunter in Montgomery, Alabama, be included in the Secretary's recommendation to consolidate the Air and Space C4ISR RDAT&E.

Simply put, OSSG is not a research and development organization. OSSG integrates, operates and sustains secure combat support information systems and networks for the Air Force and Department of Defense components. The systems that OSSG operates and sustains touch nearly every mission on every Air Force Base worldwide, and provide our warfighters with the right combat support information in the right place and at the right time.

The OSSG provides our Air Forces real-time military value. The day-to-day continuous support and upkeep of its IT systems provides essential operational and combat support for our nation's warfighters.

Mr. Chairman, the primary mission of the OSSG is to provide and support secure combat information systems and networks for the Air Force and Department of Defense components, not RDAT&E. The Standard Systems Group at Maxwell-Gunter does not

belong in the Secretary's recommendation to consolidate Air and Space C4ISR Research, Development and Acquisition, Test and Evaluation.

I respectfully ask you and your colleagues on the Commission reconsider the Department's recommendation to move, and subsequently, combine these critical OSSG missions with the Air Force's research and development functions, and help ensure our men and women in battle continue to benefit from the expertise provided from the highly trained workforce of Maxwell-Gunter's OSSG.

Thank you, Mr. Chairman.

DCN:11659

TECH-6
MAXWELL

STATEMENT FOR THE RECORD

MAXWELL-GUNTER AFB, ALABAMA

2005 BRAC COMMISSION HEARING

ATLANTA, GEORGIA
JUNE 30, 2005

Presented by: Brig Gen (ret) Paul Hankins
Special Assistant, City of Montgomery and Montgomery Area Chamber of Commerce
Phone: 334-240-9436
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Mr. Chairman we are pleased to be able to provide the Commission our written comments. This comprehensive opening statement is provided for the record, and is in addition to the oral testimony given this day.

The Montgomery Community has a long history of supporting the United States Air Force and the Department of Defense. That support has included organizational changes whether or not they were in the best interest of the Community. Today, we are pleased to continue that record by supporting the Secretary of Defense's drive for transformation of our military forces through Base Realignment and Closure efforts to create an efficient and effective force that:

- Increases military value
- Reduces costs of military operations, and
- Forges true Jointness among the Military Services.

In this context, we support the concept of an Air Force C4ISR Research and Development RDAT&E Center of Excellence, as proposed by Secretary Rumsfeld. However, the movement of the Operations and Sustainment Systems Group (OSSG) from Maxwell-Gunter to Hanscom Air Force Base as part of this research and development center runs counter to the basic premise of this initiative.

By the nature of its mission, OSSG is not a research and development organization, it is an operations and sustainment organization that ensures the day-to-day running and upkeep of IT combat support systems. In the case of the Operations and Sustainment Systems Group, this involves providing continuous, 24-hour-a-day, 365-day-a-year IT support. This is their primary mission: providing daily, effective, and continuous sustainment support for over 100 operational software applications that underpin combat systems in the field—around the world, including our ongoing operations in Afghanistan, Iraq and even here in the United States for Homeland Defense. This support is provided across the entire spectrum of operations, from the warning order to bombs on target to include those systems that provide essential combat and logistical support. Accordingly, its movement would involve consolidating disparate, dissimilar activities.

We ask that the Commission review this recommendation with the following questions in mind:

1) Does this recommendation fit the BRAC concept of "Centers of Excellence" or meet the BRAC criteria?
2) Does it increase military value or decrease risk for the warfighter?
3) Does it increase the ability to operate jointly?
4) Does it save money or is at least cost neutral?

If you conclude, as we have, that the answers to each of these four questions is **no,** then the recommendation to consolidate Operations & Sustainment with the C4ISR Research and Development, Acquisition, Test & Evaluation functions at Hanscom is inconsistent as articulated in the context of a Center of Excellence outlined in the BRAC report.

Therefore, the Secretary's recommendation should be amended to move only RDAT&E activities to Hanscom Air Force Base and retain Operations and Sustainment activities at Maxwell-Gunter Air Force Base.

At this point I would call your attention to the fact that there are organizations on Maxwell-Gunter that fall into the research and development area -- the Operating Location of the Development and Fielding Systems Group and part of the Engineering and Integration Systems Squadron that falls into the research and development area (about 20% of that Squadron). The Secretary's recommendation in this regard is logical and should be supported.

I would like to now review each of the above four questions in detail.

Does this recommendation fit the BRAC concept of "Centers of Excellence" or meet the BRAC criteria?

The Operations and Sustainment Systems Group at Maxwell-Gunter AFB provides operations and support to Information Technology (IT) systems throughout the Air Force. In fact, it is the ONLY place in the Air Force that provides operations and sustainment to the enterprise-wide IT systems that currently support the warfighter and the weapons systems of the entire United States Air Force.

One can view the functions of OSSG as an IT Depot. Just as aircraft depots support weapon systems, the Operations System Support Group provides depot support for information technology systems. Research and development activities accomplish the acquisition and testing mission but do not provide day-to-day depot level sustainment support. For example, the F-15 aircraft is supported by the Warner Robins Air Logistics Center, which oversees all modifications and refinements for the aircraft as well as providing major maintenance as opposed to Research and Development for the F-15, which is done at the Aeronautical Systems Center at Wright-Patterson AFB. The OSSG provides identical levels of support to operational information systems such as the Core Automated Maintenance System or CAMS, which is the Air Force wing level maintenance system.

For example, a recent modification was made on CAMS that significantly improved its ability to support users at all levels. This modification enabled the system to be moved from separate databases to a centralized database, thus allowing users at all

levels to have access to the Air Force enterprise information. Minor modifications and support actions are handled in the same way. These depot type operations are not handled by an RDAT&E organization.

This is also true of most businesses. Just as Air Force Depots are not collocated with Research, Development and Acquisition Centers; the same model is often used in the commercial business world. Examples are:

American Express has their Headquarters in New York but they do their operations processing and customer contact outside of New York in places like Fort Lauderdale FL.

Citicorp has their Headquarters in New York but they do their credit card operations processing outside of New York in places like North Dakota.

Hyundai has their Headquarters in South Korea, the production is done in Montgomery AL, their research is done in Michigan, and their testing in California.

Why do these organizations have their operations in a different location than their Headquarters or Research and Development? Because the skills and experiences needed for each are different. Therefore the work goes where the skills and experience are available at the least cost. The Air Force should do the same with IT systems. Go where it is best to do the work at the least cost.

It is important to note that Maxwell-Gunter AFB has the facilities to fully support the needs of the OSSG in its present configuration. As its mission grows, it will be able to continue to meet the demands of the warfighter as there is a $12.8 million military construction project under way to construct a new Integrated Operational Support Facility, which will be fully operational in the summer of 2006. This modern facility is replacing Korean War and Cold War era buildings and consolidating them into one building that will be able to expand to meet the challenges of the modern cyber-warfare climate.

Moreover, if the Secretary's recommended move were to take place, there is nowhere else within the Department of Defense that can support the Air Force and take up the slack that inevitably would occur during the transition. New facilities at Hanscom AFB, to include a Network Operations Center, would have to be constructed and systems would have to be on line and operating with a trained and experienced workforce in place before the OSSG at Maxwell Gunter AFB could be phased out. There are no provisions in the recommendation to accommodate such a transition.

If the proposed Center of Excellence is about RDAT&E, then operations and sustainment are more closely aligned to the warfighter than they are to Research and Development - so why move OSSG if it does not fit.

Next let's look at military value.

Does it increase military value or decrease risk for the warfighter?

As we examined the detailed elements of the proposed realignment, we found the DOD substantially deviated from their military value criteria. These inconsistencies involve risk, decrease military value, and actually increase cost to the Air Force and the Department of Defense.

Let's look at the specific elements of risk associated with this potential realignment and the impact on the operation and sustainment mission as it pertains to military value.

The unparalleled buildup of military, DoD civilian, and contractor synergism and expertise over the last 30-plus years resulted in an irreplaceable consortium of intellectual capital and program expertise. This expertise consists of retired military people working as civil servants and contractor employees, working on base and off, that form a unique collaboration within the Montgomery community. We know that you have heard from others, as you have visited around the country, that highly trained and experienced engineers and technicians will not move when a base is closed or realigned. Documented studies show that at best only 20-35% of the engineers, scientists, highly trained technicians, and contractors move in similar situations. This should not have been taken lightly or discounted when the DoD made its recommendation to realign the OSSG to Hanscom AFB, and we know that the 2005 BRAC Commission fully recognizes the seriousness of this recommendation relative to the operational readiness and worldwide network operating support of the United States Air Force.

The ensuing steep learning curve of a workforce untrained in the Air Force's current IT products and processes is a recipe for disaster in terms of supporting current and future warfighting operations. It could take as long as 4 to 6 years to transition to the new facilities and recruit and train a viable workforce. We firmly believe that should the Commission accept this recommendation, as proposed by the Secretary, it will create a significant risk to the warfighter and operational readiness of the Air Force for an unacceptable period of time and an no payback. Military value that exists today at Maxwell-Gunter would be lost or at best severely diminished at a critical time with troops involved in combat operations in two theaters of operation while waging a Global War on Terrorism that demands the highest degree of technological support. The attributes of BRAC Criterion 1 will be negated and the Secretary of

Defense will have deviated substantially from the BRAC criteria if this recommendation is carried forward.

This recommendation proposes a move of OSSG personnel to occur in 2008, which obviously requires completed buildings to be in place at Hanscom AFB to successfully accomplish the move. The operations and sustainment mission requires a complicated IT facility with sophisticated environmental controls. That said, in order to comply with MILCON appropriations requirements and construction lead times, the proposed timeline does not appear to be executable until at least 2009, at the earliest.

Today we are at war. The weapons and systems that our troops are using today require constant and continual IT support. It is also important to point out that the Operations and Sustainment System Group has the ability to accommodate surge, an element of BRAC Criterion #3. At Maxwell-Gunter, the group is collocated and interfaces with other Air Force and Department of Defense organizations including the Air Force Logistics Management Agency, Secretary of the Air Force Financial Systems Office, and most notably, a Defense Information Systems Agency (DISA) Defense Enterprise Computing Center, which provides the network backbone on which USAF systems run. OSSG works closely with these activities, lending support to their needs and gaining from their experience, expertise, and capacities. This creates invaluable synergy among similar organizations that multiplies the support provided to the warfighter, a synergy that would atrophy with a move to Hanscom AFB. The recommended realignment breaks apart this relationship, thereby diminishing the organization's military value. We would submit, moving this critical support system at time of war to another location involves a tremendous amount of risk —a risk our military can ill afford.

The following are just four examples of the 100-plus in-service systems supported by OSSG. It is important to note that these are just four of the programs sustained to ensure that critical systems are effectively running whether for Operation Enduring Freedom in the rugged terrain of Afghanistan or on the back streets of Baghdad in support of Operation Iraqi Freedom. These are not research and development programs funded by RDT&E dollars. These are operational systems funded by dollars that Congress appropriated for operations and maintenance. Therefore, even Congressional funding defines the differences between these missions. It is this essential operational support that the nation's airmen demand every day and every hour. For example:

The **Integrated Logistics System for Supply Operations** provides operational support for the retail/base level supply systems. The central element of this system is the operational Standard Base Supply System, which manages base-level inventory for the Air Force.

The **Core Automated Maintenance System (CAMS)** is the primary support system for operations support of aircraft and equipment maintenance in use by Combat Air Forces today. The system supports maintenance activities associated with Aircraft, Unmanned Aerospace Vehicles (UAVs), Missiles, Engines, Aerospace Ground Equipment (AGE), Automated Test Equipment (ATE), and Communications-Electronic equipment.

The **Logistics Contingency Assessment Tool (LOGCAT)** is an automated planning capability that accurately and rapidly identifies resources at potential force beddown location. It identifies limiting factors and supports deployment package tailoring based on asset availability at the desired location.

The **Combat Ammunition System or (CAS)** is a one-stop, real-time, state-of-the-art automated munitions system that gives war planners and war fighters the capability to track, manage and plan responses to rapidly changing world conditions. In short, this operational system supports real time mission planning from inventory to weapon load out to bombs on target.

Whether peacetime or war, there is hardly a facet of the Air Force enterprise that is not serviced by the men and women of the OSSG organization. They have an enduring impact across the entire spectrum of Air Force operations. From crisis planning to deployment of an Air and Space Expeditionary Force to the heart of the Joint Force Air Component Commander's Air Operations Center to bombs on the target, the OSSG is inextricably involved. Their involvement is by necessity continuous, and ongoing. An Air Force Wing Commander is not concerned with the next generation fighter now but he is interested in keeping his planes in the air. Similarly, this Commander is not focused on research and development for new IT systems but is keenly interested in the current systems being operational and working properly when he needs them. Information Technology, as wonderful as it is, requires the intervention of an expert when systems go wrong. As we speak, there is an airman somewhere with a problem on one of the 100+ IT systems that will rely on the operational support provided by the OSSG.

In light of these military value arguments, we do not understand why the Secretary of Defense would recommend moving this organization. Any time you move an organization, you assume a certain level of associated risk.

When you're involved in ongoing combat operations, would you be willing to assume unnecessary risk if it reduced your combat capability? We think not.

If the realignment doesn't fit, decreases military value and increases risk to the warfighter - then why would you move OSSG?

Next, let's review the question of jointness.

Does it increase the ability to operate jointly?

The Operation and Sustainment Systems Group corporate relations and cooperative agreements with the Defense Information Support Agency, commonly known as DISA, have evolved over the years into a mutually beneficial relationship. This relationship showcases how agencies from across the DoD enterprise can build strong, efficient and effective bonds that keep the needs and goals of the warfighter at the forefront. This jointness enables these two organizations to work together to solve issues before they become problems, and to quickly fix problems that do arise in the IT support to our warfighters. Can the OSSG, if moved from Maxwell-Gunter, operate without being collocated with DISA? Certainly they can operate in a remote mode, but it will not operate as efficiently and effectively. In today's world, systems and operators work hundreds and even thousands of miles apart. Do systems run and does the work get done? Yes they do, but why would you want to take apart a system that works when the personnel are collocated and when there is no financial or operational imperative that justifies such a move. Will the organization benefit or will the personnel benefit? If the answer is no, which we believe it is, then it makes little sense to proceed down that path. DISA and OSSG personnel work in close harmony with one another and over the years employees move between both organizations. This cross flow of personnel further strengthens the bond between the two organizations and this closeness has allowed for phenomenal success in support of the Air Force. For example:

> When terrorists attacked the Pentagon on 9/11, within minutes OSSG was contacted to assist in restoring communication connectivity to the Air Force portion of the Pentagon. A team from OSSG, with the coordination and assistance of Personnel from DISA, made it happen. They had the classified and unclassified network operating within 48 hours! This was accomplished when aircraft were not flying, cell phones in some areas didn't operate and travel by road was difficult. Collocation, in-depth knowledge of each other's systems, and interaction on a daily basis made this happen. It could not have been accomplished in a virtual environment.

Additionally, initiatives being worked within DISA envision the creation of joint mission management centers for all the Services, beginning with the Air Force. These centers will provide a one-call, problem-solving point of contact for Information Technology applications across the spectrum of warfighter needs, either in a direct or referral-to-expert mode, and in all likelihood will evolve out of the four DISA centers

that currently exist in the United States. Given the jointness and close working relationship that exists between the OSSG and the intellectual capital and facilities, Maxwell-Gunter is an obvious location to host a DISA Mission Management Center of Excellence to interact with an Air Force Network Operations Center (Attachment 1). The DISA organization is not leaving, but if OSSG were to go to Hanscom AFB it is conceivable that sometime in the not to distant future the Air Force would be looking to relocate them back to Maxwell-Gunter to capitalize on the DISA location and the past successes.

If the realignment doesn't fit, it doesn't add military value, increases risk to the warfighter, and if it doesn't promote or enable better joint operations - then why do it?

Finally, let's examine Cost.

Does it save money or is at least cost neutral?

In addition to lowering the military value and hence jeopardizing support to the warfighter, we believe no cost savings will be achieved. After a thorough review of the COBRA Model calculations, we identified several inconsistencies impacting cost. The "heart" of the issue revolves around authorized end strength. The going in assumption for the COBRA calculations is that there are dollars associated with the military and civilian end strength numbers. In reality, the Operations and Sustainment Systems Group is a working capital funded organization (as opposed to mission funding), and as such, end strength authorizations have no funds associated with them. By law in a working capital fund, revenue must be aligned with cost and not associated with end strength. Furthermore, as part of the Secretary's Transformation Initiative, the OSSG was right-sized in the last two years, eliminating 350 positions to create a Most Efficient Organization (MEO) that could compete in a future A-76 study, they are in fact at MEO strength and no manpower savings would be achieved with realignment. The "savings" associated with end strength authorizations, as assumed in the BRAC COBRA calculations, have already been taken in the MEO process. Additional discrepancies identified in the COBRA Model calculations include:

- COBRA data reduces the OSSG personnel levels below the personnel numbers that the organization identified as the MEO or Most Efficient Organization numbers during their right sizing. The MEO identified 1,015 personnel, as the number required to compete within the A-76 framework, yet the Department used the personnel level of 839 to base their cost justifications. The figure used in the COBRA Model is 30% lower than the authorized end strength personnel level, and 18% below the actual onboard number with no rationale provided.

- There is no data in COBRA Model on contractor support and the associated costs. There are approximately 940 contractors (about 50% of the workforce) working in Montgomery both on-site and off-site directly supporting the OSSG. A preliminary review of contractor support costs by labor man-hour between the two geographic areas indicates at least a 30-35% increase in the cost for a man-hour support of a person with the same knowledge and skill requirements by moving the work from Maxwell Gunter AFB, AL, to Hanscom AFB, MA. Even without including the additional costs of each officer, enlisted and civilian who will receive larger locality pay, there is a potential 15% increase in the overall manpower cost to operate in the long term due to contractor labor costs.

- The model calls for MILCON funds in FY06 and FY07. Based on the requirement to Congress of MILCON requests two years prior to execution and the fact that the FY06 budget is under Congressional review, it appears the proposed realignment could not take place any earlier than FY09. A further complicating factor is the need for a sophisticated and environmentally sensitive Information Technology facility.

We have run some specific COBRA alternatives that are attachments to this statement. This table summarizes the results of those COBRA Model runs. As you will see from the table, when accurate manpower data is used, there are no cost savings.

COBRA Model Excursions – Maxwell AFB, AL					
	Baseline DOD Scenario		**Alternative 2- Include Missing Contractor Data to Baseline Case**	**Alternative 3 - Move OSSG using Onboard Personnel**	**Alternative 4 - Onboard Personnel plus RDT&E Portion of OSSG moves**
Net Present Value	- $229M		+$119M	+$413M	+$.98M
Payback Period	8 years		51 years	Never	48 years
Issues	Authorized versus onboard; No contractors included		Contractors 50% of the workforce	Working capital funding onboard versus authorized with no funds	Long time for payback
Impact	No real savings		Includes reality of contractors in the analysis	Cost plus mission degradation	Completes C4ISR COE alignment

One might be prepared to assume a certain degree of risk if it involved significant savings, but **you certainly wouldn't make a move that involved clear risk of reducing combat capability when you're involved in hostilities ... and it costs you significantly more money!**

Conclusion

It is logical to consolidate and create a Center of Excellence for the C4ISR RDAT&E. However, OSSG is not and should not be considered a research and development function. It is an operational element that operates the Air Force Network Operating Center with a 24-hour-a-day, 365-days-a-year Help Desk. It sustains current IT systems so warfighters have the capability and capacity to carry out their day-to-day missions. It is not logical to integrate an operational element into a research and development entity. This is especially true if it comes at a significant cost to the Department of Defense, the corporate Air Force and to the individual military, civilian, and contractor workers who make this system work.

The Montgomery community is, always has been, and will continue to be a strong advocate and vibrant supporter of the Department of Defense and the United States Air Force. We clearly understand and fundamentally agree with Secretary Rumsfeld's desire to transform our military so it remains the world's premier force. Nonetheless, BRAC decisions must be made for sound, logical reasons based on all the facts, and they must improve and not weaken military value. We ask the Commission to agree with the Secretary where it makes sense, but use your statutory authority to amend the recommendations when they have little military value, increase costs of military operations, and diminish joint synergies. It simply does not make sense to force dissimilar functions to merge to create alleged efficiencies and cost savings that from our analysis are simply not there.

We also ask that you and the Commission staff examine the data, weigh the risks, and reconsider the proposed realignment of the Operations and Sustainment Systems Group from Maxwell-Gunter to Hanscom AFB.

Thank you for your time and attention.

Attachments: See Page 12

5 Attachments:

1. DISA Data Centers For The Future
2. COBRA Analysis Reports
    a. Baseline
    b. Alternatives
3. Regional Hearing - Oral Presentation Slides
4. Statement of U.S. Representative Everett
5. Statement of U.S. Representative Rogers

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Data Centers for the Future

Rick Fleming
Center for Computing Services
April 27, 2005

Operational Tenets

- Always On and Always Secure
- Unbounded Capacity
- Emphasis on Quality of Service (QoS)

Apply priority and precedence design and execution at transaction and data object level

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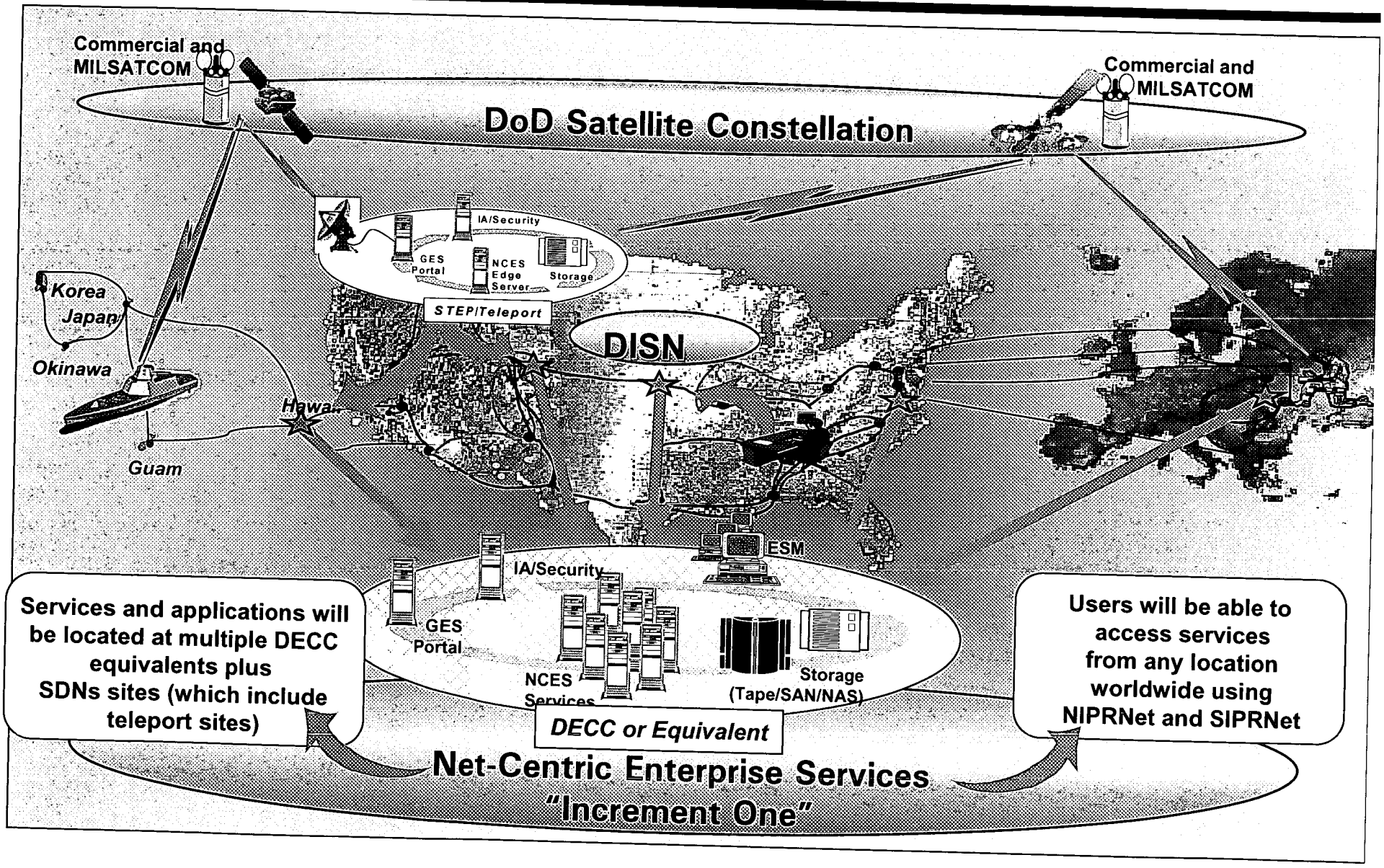
DCN 11659

Operationalizing GIG Enterprise Services

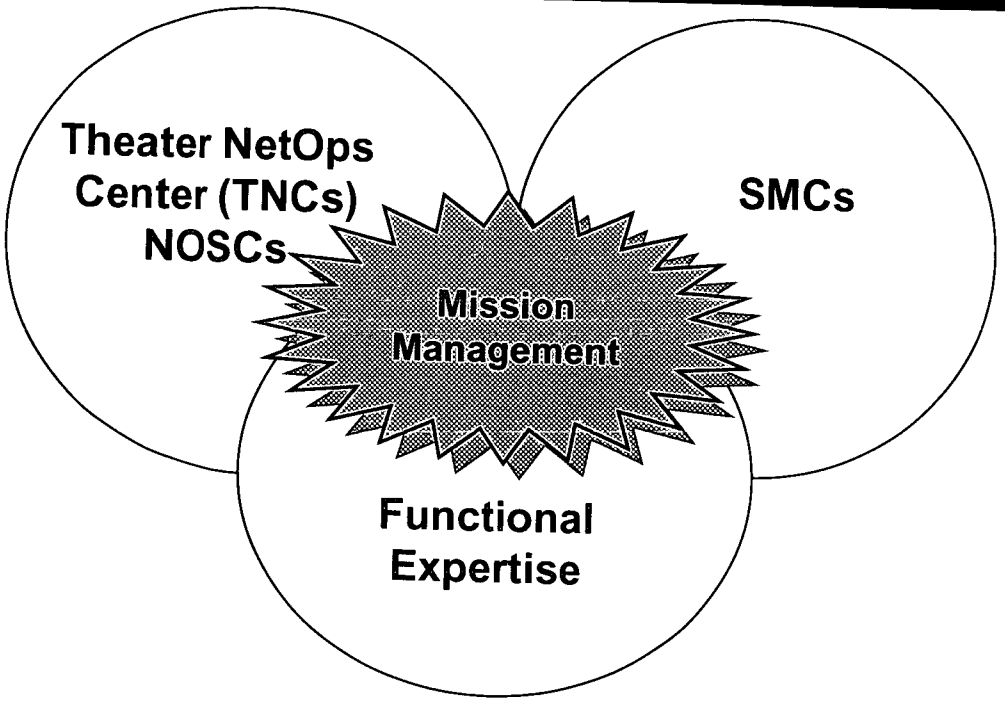


Virtualization & Convergence

- NETOPS
- Computing
- Networks
- Storage

DCN:11659

Mission Management Centers



- Joint and Coalition Situational Awareness Monitoring and Reporting
  - Near real time
  - End to End (consumer to producer)
- Single point of entry for each functional area
- "On-star"-like capability

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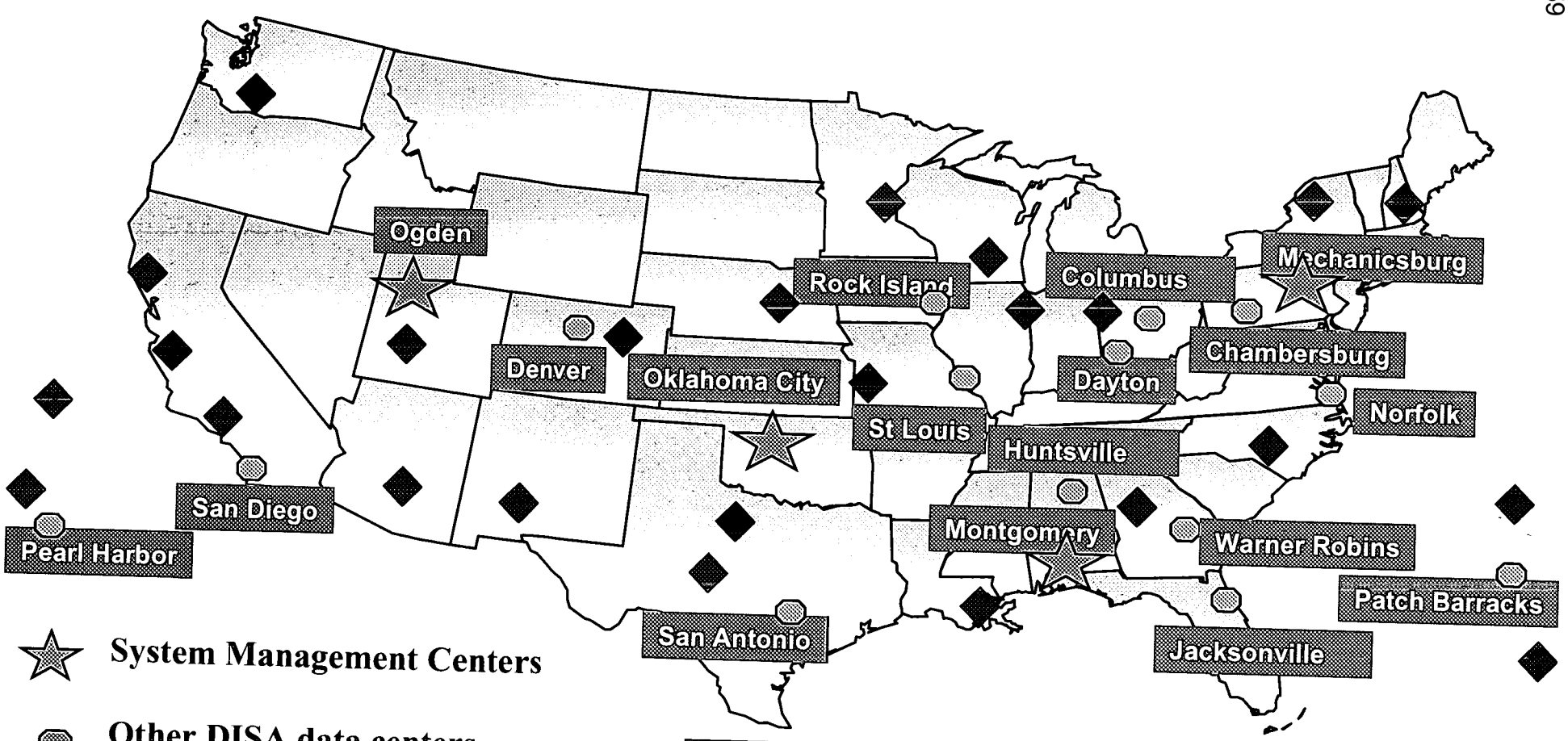
Virtual Computing

- Virtual Data Centers
  - DECC Equivalency
- Virtual Computing
  - Grid Computing or 'Container' Concept
  - Dynamically Share Resources
  - Autonomic
    - Provisioning
    - Self-Healing
- Application Design and Implementation
  - Services Oriented Architecture
  - Platform and OS Independent
- Enforcement of Standards and Net-centricity
  - Net-centric Checklist

Virtual Data Centers



- System Management Centers
- Other DISA data centers
- Other DoD data centers
- Outsourced data centers

- Certification of network worthiness
  - Authenticity
  - Trusted nature
  - Timely
- Single, integrated management structure

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Virtual Networks

- Convergence
  - HAIPE
  - VOIP
  - Video Streaming
  - Interactive Video
- CS IA Architecture
- Wireless
- Gateway Services
- Content Delivery Networks
- Metro-Ethernet
- IPv6
- Wide Area File Services

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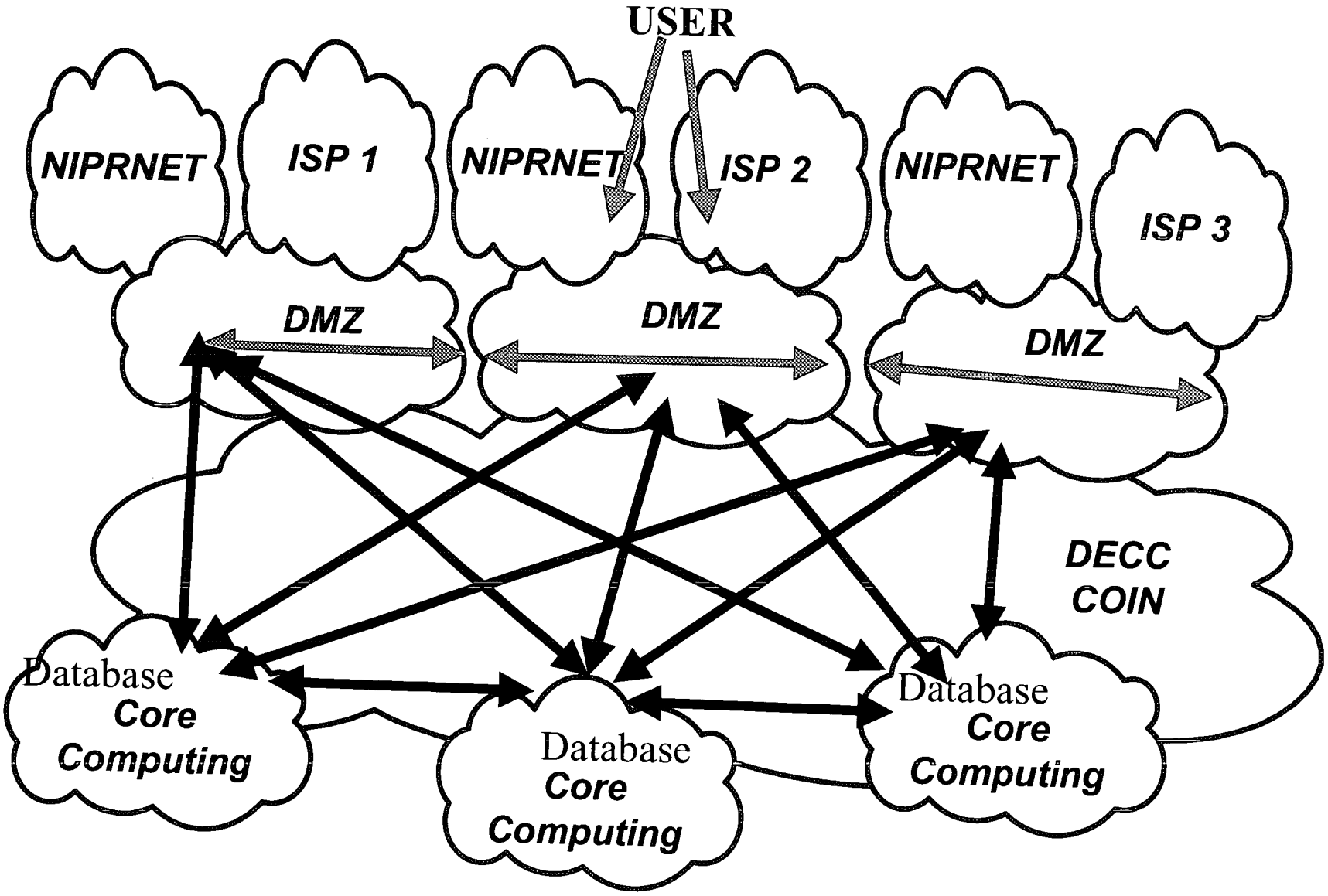
Closed Architecture Model



Virtual Storage

- No Physical Boundaries
- Storage Area Networks
- Shared Storage
- Content Aware
- Access Aware
- QoS Capable
- Content Delivery Storage/Caching
- Data at Rest Encryption

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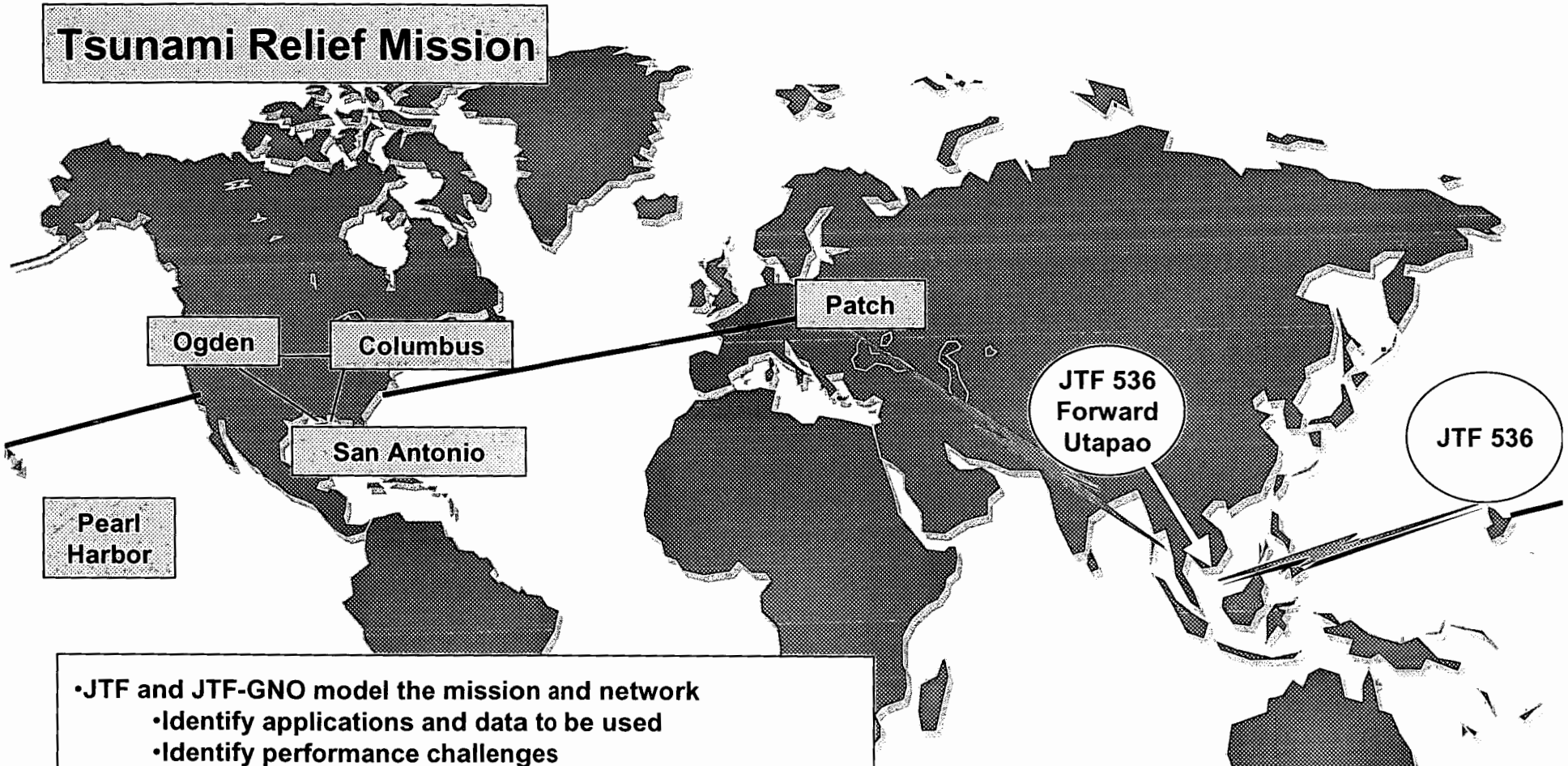
Content Staging – Circa 2009



- JTF and JTF-GNO model the mission and network
  - Identify applications and data to be used
  - Identify performance challenges
- Decisions made to stage some content forward
  - Most will be available through reachback
  - Some to Guam
  - Some to Utapao
- Servers configured at Guam teleport and Utapao

The Future

- Bits/bytes become content
- Data exposed before processing
- Management of data at rest
- Intelligence in Content Delivery and Retrieval Mechanisms vs. Application or Client
- Priority and Precedence End to End
- Fewer Management Centers with Greater Functional Expertise
- Managed Services at Application or Service Level
  - Command and Control
  - Combat Support
  - Data Base
  - CRM
  - ERP
  - Web Services

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Does it Increase / Enable Joint Operations?

- DISA Handles IT Operations for DOD
  - Shared Mission
  - Shared Workforce
  - Shared Systems and Equipment
- Co-Location of OSSG and DISA Is a Force Multiplier During Surge / Mobilization
  - Constant Teaming On Site
  - Redundancy of Systems
  - Greater Whole – All Operational Workforce
- Future DOD Vision
  - Mission Centers
  - Impact Not Analyzed by DOD

DEGRADES JOINT OPERABILITY

Does It Increase Military Value?

- Risks Corporate Knowledge of Current Workforce
  - Synergy of 30 Years Shared Knowledge and Experience
  - Age of Current IT Systems Demands Functional Expertise and Accumulated Experience
  - R&D Workforce is Different Than Ops & Sustainment Workforce
- Risks the Physical Synergy with DISA
  - Jointly Used Systems & Equipment
  - Common Workforce Expertise
  - Personal Relationships

} SEPTEMBER 11th

DECREASES MILITARY VALUE
INCREASES RISK TO WARFIGHTER

Does It Fit?

- Creates a "Center of Excellence" for RDAT&E
  - Not Operations and Sustainment
- Merges Disparate Missions and Workforces
  - OSSG Functions as an IT Depot
  - OSSG Follows Current Business Practice of Movement to Low-Cost Ops Centers
- Ignores Existing Capacity
  - Existing Physical Plant / New Construction
  - Workforce Leveraging Between Air Force IT Ops & DOD Ops

DOES NOT FIT!

OSSG
Where Does It Fit?

- What Is Operations and Sustainment?
- What Are Key Questions for the BRAC Commission?
  - Does It Fit?
  - Does It Increase Military Value?
  - Does It Increase/Enable Joint Operations?
  - Does It Save Money?

If Not Then What?

AMEND DOD'S RECOMMENDATION

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Does it Save Money?

- Lost Intellectual Capital – CAN'T BE COSTED
  - Ops and Sustainment Capability Comes from Experience / Interaction with Users
  - MIT / Harvard Grads Seek Cutting Edge Jobs and Cost Government More to Hire
- DOD Cost Analysis Was Limited In Scope and Inaccurate
  - Did Not Cost Contractor Workforce
  - Did Not Cost "MEO" Sized Workforce
  - Did Not Cost Dual Ops During Lengthy Transition

NO COST SAVINGS EXIST

COBRA Model Excursions – Maxwell AFB,AL

	Baseline DOD Scenario	Alternative 2 Include Missing Contractor Data to Baseline Case	Alternative 3 Move OSSG using Onboard Personnel	Alternative 4 Onboard Personnel Plus RDT&E Portion of OSSG Moves
Payback Period for Movement	8 Years	51 Years	Never	48 Years
Net Present Value (payback after 20 Yrs)	-$229M	+$119M	+$413M	+$0.98M
Issues	Authorized vs. onboard; No contractors included	Contractors 50% of the workforce	Working capital funding onboard vs. authorized with no funds	Long time for payback
Impact	No real savings	Includes reality of contractors in the analysis	Cost plus mission degradation	Completes C4ISR COE alignment

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OSSG
Where Does It Fit?

- Answers to Key Questions
  - It Doesn't Fit
  - It Doesn't Increase Military Value
  - It Doesn't Increase/Enable Joint Operations
  - It Doesn't Save Money

Conclusion

AMEND DOD'S RECOMMENDATION

DCN:11659

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DCN:11659

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Farrington, Lester, CIV, WSO-BRAC

To: Joe Greene
Subject: RE: Montgomery - OSSG

Joe:
I would appreciate it if you could drop the COBRA software to me in the mail. We have a COBRA specialist on the BRAC staff. In response to your question on a meeting here, I would like to do that; however, I leave for the west coas~~ing~~ ~~up~~ on 7/5 and won't return until 7/16. Several base visits plus a regional hearing. I'll be in today and tomorrow so if you want to set something up, please give me a call.

Les Farrington
703-699-2914

-----Original Message-----
From: Joe Greene [mailto:Jgreene@montgomerychamber.com]
Sent: Friday, July 01, 2005 9:23 AM
To: Lester.Farrington@wso.whs.mil
Subject: FW: Montgomery - OSSG

Les--Appreciate your phone call yesterday. The hearing went well and all of the data that Paul Hirsch sent you was officially entered for the record at the hearing and is on a CD provided to the Commission as well as in printed copy. What Paul sent you were pdf printouts of the cobra data for the analysis that we did. I am attaching the cbr actual cobra data files that can be run on the cobra software so an excursions can be done off of what we officially submitted for the record. I have attached those files. If you need the actual cobra software I can send it to you.

Again, thanks for your help. We would like to visit you in Washington to go over the data in person. Let us know when we might be able to do that. See ya soon.

Joe Greene
Montgomery Area Chamber of Commerce
cell: 334-391-2455

Attached Cobra CBR files. Executables for the previously sent pdf files.

-----Original Message-----
From: Paul Hirsch [mailto:paul@madisongov.net]
Sent: Thursday, June 30, 2005 3:01 PM
To: Joe Greene
Subject: Fw: Montgomery - OSSG

FYI
-----Original Message-----
From: "Farrington, Lester, CIV, WSO-BRAC" <Lester.Farrington@wso.whs.mil>
Date: Thu, 30 Jun 2005 17:50:02
To:"'paul@madisongov.net'" <paul@madisongov.net>
Subject: RE: Montgomery - OSSG

Yes, thank you.

Les Farrington

-----Original Message-----
From: Paul Hirsch [mailto:paul@madisongov.net]
Sent: Thursday, June 30, 2005 1:25 PM
To: lester.farrington@wso.whs.mil
Subject: Montgomery - OSSG

Les:

DCN:11659

DCN:11659

Was the info sent to you by Bill @ Madison Govt Affairs what you were lookin for?

Paul Hirsch
Sent wirelessly via BlackBerry from T-Mobile.

Sent wirelessly via BlackBerry from T-Mobile.

DCN:11659

DCN:11659

REPORT

FOR

MONTGOMERY CHAMBER OF COMMERCE

COBRA Model Analysis

Regarding

Operations and Sustainment Systems Group

Base Realignment and Closure Commission Recommendation

23 June 2005

Submitted by:
Whitney, Bradley & Brown, Inc.
1604 Spring Hill Road
Suite 200
Vienna, Virginia 22182

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1604 Spring Hill Road, Suite 200, Vienna, VA 22182 (703) 448-6081 Fax (703) 821-6955

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I. Executive Summary

Secretary of Defense Rumsfeld provided the Base Realignment and Closure (BRAC) Commission the *Department of Defense Base Closure and Realignment Report* on May 13, 2005. The report contained recommendations to align the United States base force structure with the force structure that is expected to be needed over the next 20 years. The report recommendations focus on implementing Department of Defense (DoD) global force reposturing, facilitate the ongoing transformation of United States military forces to meet the challenges of the 21st century and restructure important support functions to capitalize on advances in technology and business practices. The BRAC goals are to support United States military force transformation, address the new and emerging security challenges, promote jointness and achieve significant savings.

To accomplish the BRAC process, the DoD organized into two analysis groups: the Military Departments and Joint Cross-Service Groups (JCSGs). The Military Departments looked at installations specifically devoted to their individual requirements as well as supporting operational forces, while the JCSGs focused on bases and functions that represent DoD's common infrastructure.

One JCSG, the Technical Joint Cross-Service Group explored research, development, acquisition, test and evaluation (RDAT&E) functions across the Department of Defense. One of the Technical JCSG subgroups, Command, Control, Communications and Computers and Intelligence, Surveillance and Reconnaissance (C4ISR) provided a recommendation to create a C4ISR RDAT&E Center of Excellence at Hanscom AFB, MA, by realigning many units to include the Operations and Sustainment Systems Group (OSSG) located at Maxwell AFB, AL.

The subgroup based their recommendation on an evaluation of military value criteria, a review of scenarios to maximize military value and minimize capacity retained and a comparison against other considerations to include Payback Period, Environmental Factors, Community Infrastructure and Economic Impact.

The BRAC COBRA Model was then used to calculate the savings associated with this realignment of the OSSG. Upon examination of the COBRA Model data concerning the OSSG (referred to as the Baseline Case), Whitney, Bradley & Brown, Inc. (WBB) found numerous inconsistencies in the assumptions and data: military and civilian manpower numbers were inaccurate, contractor data was omitted and military construction to complete the realignment was overly optimistic.

Accordingly, WBB captured and evaluated these inconsistencies in alternative scenarios. Four significant alternative scenarios examined included:

- Alternative 1 – No realignment of the OSSG. WBB ran this alternative first, based on the fact that the OSSG mission is predominately operations and sustainment vice RDAT&E—the intent of the C4ISR RDAT&E Center of Excellence. The results of the COBRA Model indicated a Net Present Value of +$159M (i.e., no savings) with a Payback Period of 100 years. The impact of this alternative is that without the realigning the OSSG, the BRAC recommendation to create a C4ISR RDAT&E Center of Excellence would not be realized

- Alternative 2 – Baseline Case, but included the Missing Contractor data. This excursion examined the DoD COBRA run as given (Baseline Case), but included the 940-contractor current OSSG workforce.

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In other words, accepting the DoD COBRA data and simply adding in the OSSG contractor workforce. The COBRA Model yielded a Net Present Value of +$119 M (i.e., no savings) with a Payback Period of 51 years. In essence, this excursion adds the reality of the contractor workforce in the DoD COBRA calculations—with no savings realized

- Alternative 3 – Move the OSSG, but use the onboard or actual workforce (military, government civilian and contractor) located at Maxwell AFB, AL, today. The intent is to see the impact of moving the OSSG (in line with the BRAC recommendation) with the correct number of personnel. Using this information, the COBRA Model gave a Net Present Value of +$413M (i.e., no savings) and there is not a Payback Period (i.e., the payback is never reached)

- Alternative 4 – Onboard personnel or the actual workforce (military, government civilian and contractor) located at Maxwell AFB, AL, today and move the RDT&E portion of the OSSG to Hanscom AFB, MA, in line with the intent of the BRAC recommendation to create a C4ISR RDAT&E Center of Excellence. In this case, the COBRA Model calculated a Net Present Value of +$.98M (i.e., no savings) and a Payback Period of 48 years

The results of these three last alternatives are summarized in the table below.

COBRA Model Excursions – Maxwell AFB, AL

	Baseline DoD Scenario	Alternative 2 - Include Missing Contractor Data to Baseline Case	Alternative 3 - Move OSSG using Onboard Personnel and Contractor Personnel	Alternative 4 - Onboard Personnel plus RDT&E Portion of OSSG moves
Net Present Value	- $229M	+$119M	+$413M	+$.98M
Payback Period	8 years	51 years	Never	48 years
Issues	Authorized versus onboard; No contractors included	Contractors 50% of the workforce	Working capital funding onboard versus authorized with no funds	Long time for payback
Impact	No real savings	Includes reality of contractors in the analysis	Cost plus mission degradation	Completes C4ISR COE alignment

COBRA Model Alternatives Comparison Table

After running several excursions or alternate scenarios, WBB concluded that no savings were possible if the correct manpower figures were used in the COBRA Model.

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II. Introduction

Public Law 101-510, as amended, requires the Secretary of Defense to provide the Defense Base Closure and Realignment (BRAC) Commission a report containing the Department of Defense (DoD) recommendations to realign or close military installations within the United States and its territories. Secretary Rumsfeld complied with requirement on May 13, 2005.

The DoD recommendations are intended to align US base structure with the force structure that is expected to be needed over the next 20 years. These proposals focus on implementing DoD global force reposturing, facilitate the ongoing transformation of US forces to meet the challenges of the 21st century and restructure important support functions to capitalize on advances in technology and business practices. Overall, these recommendations are designed to support force transformation; address new threats, strategies and force protection concerns; consolidate business-oriented support functions; promote joint and multi-Service basing; and, provide significant savings.

As required by law, the BRAC process entailed comprehensive and comparable analyses of all installations in the United States and its territories, using military value as the primary consideration. In reviewing its base structure, DoD considered the capabilities needed to support potential mobilization and surge requirements, as well as the unique installation needs of Reserve Component forces. Moreover, DoD placed special emphasis on retaining the infrastructure and capabilities necessary to respond to contingencies.

DoD organized its analysis into two groups: the Military Departments which analyzed installations devoted exclusively to their requirements, as well as supporting operational forces; and Joint Cross-Service Groups (JCSGs) which scrutinized the bases and functions that constitute the DoD's common support infrastructure. The joint groups were composed of senior representatives of the Military Departments, the Joint Staff and OSD.

One JCSG, the Technical Joint Cross-Service Group (TJCSG) was chartered to review the following DoD technical functions: Research; Development and Acquisition; and, Test and Evaluation. The research function included basic research, exploratory development and advanced development. The development and acquisition function included system development and demonstration, systems modifications, experimentation and concept demonstration, product/in-service life-cycle support and acquisition. The test and evaluation function included the formal developmental test and evaluation (DT&E) and the formal operational test and evaluation (OT&E).

To baseline the TJCSG analysis and recommendation development, the group established two guiding principles and an overarching strategic framework. The two principles were:

- Provide efficiency of operations by consolidating technical facilities to enhance synergy and reduce excess capacity

- Maintain competition of ideas by retaining at least two geographically separated sites, each of which would have similar combination of technologies and functions. This would also provide continuity of operations in the event of an unexpected disruption

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In concert with these two principles, the TJCSG used a strategic framework to establish multifunctional and multidisciplinary technical Research, Development, Acquisition, Training & Evaluation (RDAT&E) Centers of Excellence which should provide the scientific and technical advances to enable DoD to develop capabilities and weapons that are technologically superior to those of potential adversaries into the future. Furthermore, the multifunctional and multidisciplinary nature of the Centers of Excellence should allow for more rapid transition of technology and enhance integration of multiple technologies. Finally, the Centers of Excellence were to be complemented by DoD's existing technical facilities that have a disciplinary focus.

The TJCSG also recognized that to effectively accomplish the DoD's RDAT&E functions, key partners outside DoD were essential, to include other government organizations, industry, universities and the international community. Finally, the rapidly changing and uncertain environment of the 21st century required that the TJCSG analysis and recommendations ensure that surge capability would be available for the future Defense RDAT&E infrastructure.

TJCSG recommendations provided the Department Centers of Excellence in the following three areas: Defense Research laboratories; RDAT&E Centers; and, Integrated Command, Control, Communications and Computers and Intelligence, Surveillance and Reconnaissance (C4ISR) Centers.

To organize its efforts, the TJCSG established five subgroups, each of which took responsibility for evaluating a set of technical activities. The subgroup of importance to the Montgomery Chamber of Commerce was the C4ISR Subgroup. Each subgroup conducted a detailed analysis for capacity, military value, scenario development and analysis; and finally developed and evaluated candidate recommendations.

III. Base Realignment and Closure Commission Language

The specific language regarding Maxwell AFB, AL, in the *Department of Defense Base Closure and Realignment Report*, May 2005, is contained below.

Consolidate Air and Space C4ISR Research, Development & Acquisition Test & Evaluation

Recommendation: Realign Wright-Patterson Air Force Base, OH, Maxwell Air Force Base, AL, and Lackland Air Force Base, TX, by relocating Air & Space Information Systems Research and Development & Acquisition to Hanscom Air Force Base, MA. Realign Eglin Air Force Base, FL, by relocating Air & Space Sensors, Electronic Warfare & Electronics and Information Systems Test & Evaluation to Edwards Air Force Base, CA.

Justification: This recommendation will reduce the number of technical facilities engaged in Air & Space Sensors, Electronic Warfare, and Electronics and Information Systems RDAT&E from 6 to 2. Through this consolidation, the Department will increase efficiency of RDAT&E operations resulting, in a multi-functional Center of Excellence in the rapidly changing technology area of C4ISR.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is $254.4M. The net of all costs and savings to the Department during the implementation period is a cost of $115.3M. Annual recurring savings to the Department after implementation are $36.2M with a payback

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expected in 8 years. The net present value of the costs and savings to the Department over 20 years is a savings of $238.0M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 2,250 jobs (1,262 direct jobs and 988 indirect jobs) over the 2006-2011 period in the Dayton, OH, Metropolitan Statistical Area, which is 0.44 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 384 jobs (220 direct jobs and 164 indirect jobs) over the 2006-2011 period in the Fort Walton Beach-Crestview-Destin, FL, Metropolitan Statistical Area, which is 0.32 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 3,254 jobs (1,971 direct jobs and 1,283 indirect jobs) over the 2006-2011 period in the Montgomery, AL, Metropolitan Statistical Area, which is 1.6 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 212 jobs (110 direct jobs and 102 indirect jobs) over the 2006-2011 period in the San Antonio, TX, Metropolitan Statistical Area, which is less than 0.1 percent of economic area employment.

The aggregate economic impact of all recommended actions on these economic regions of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: This recommendation has the potential to impact air quality at Hanscom AFB, MA, and Edwards AFB, CA. Additional operations at Hanscom AFB, MA, and Edwards AFB, CA, may impact archeological sites, which may constrain operations. This recommendation may require building on constrained acreage at Hanscom AFB, MA. Additional operations on Edwards AFB, CA, may impact threatened and endangered species and/or critical habitats. The hazardous waste program at Hanscom AFB, MA, will need modification. Additional operations may impact wetlands at Hanscom AFB, MA, which may restrict operations. This recommendation has no impact on dredging; marine mammals, resources, or sanctuaries; noise; waste management; or water resources. This recommendation will require spending approximately $0.5M cost for waste management and environmental compliance activities. This cost was included in the payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management, and environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the bases in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

Each recommendation, rooted in the Department's long-term force structure plan and installation inventory, was measured against eight criteria. The Department gave priority consideration to military value (Criteria 1-4), then considered costs and savings (Criteria 5) and finally assessed the economic impact on local communities, the community support infrastructure and the environmental impact (Criteria 6-8).

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IV. Military Value Criteria

As required by statue, the military value of an installation or activity was the primary consideration in developing DoD's recommendations for base realignments and closures. For DoD, military value has two components: a quantitative component; and a qualitative component. The qualitative component is the exercise of military judgment and experience to ensure rational application of the criteria. The quantitative component assigns attributes, metrics and weights to the selection criteria to arrive at a relative scoring of facilities within assigned functions.

To arrive at a quantitative military value score, subgroup members began by identifying attributes or characteristics for each criterion. They weighted attributes to reflect their relative importance based on things such as their military judgment or experience, the Secretary of Defense's Transformational Guidance and BRAC principles. Metrics were subsequently developed to measure these attributes. The metrics were also weighted to reflect relative importance, again using military judgment, transformational guidance and BRAC principles. Once attributes had been identified and weighted, the subgroup members developed questions for use in military value data calls. If more than one question was required to assess a given metric, these were likewise weighted. Each analytical subgroup member prepared a scoring plan, and data call questions were forwarded to the field. These plans established how answers to data call questions were to be evaluated and scored. With the scoring plans in place, the Military Departments and JCSGs completed their military value data calls. These were then forwarded to the field by the Military Departments and Defense Agencies. The analytical subgroup members input the certified data responses into the scoring plans to arrive at a numerical score and a relative quantitative military value ranking of facilities/installations against their peers.

In selecting military installations for closure or realignment, DoD gave priority consideration to military value (the four criteria listed below):

(1) The current and future mission capabilities and the impact on operational readiness of the total force of the Department of Defense, including the impact on joint warfighting, training and readiness
(2) The availability and condition of land, facilities and associated airspace (including training areas suitable for maneuver by ground, naval or air forces throughout a diversity of climate and terrain areas and staging areas for the use of the Armed Forces in homeland defense missions) at both existing and potential receiving locations
(3) The ability to accommodate contingency, mobilization, surge and future total force requirements at both existing and potential receiving locations to support operations and training
(4) The cost of operations and the manpower implications

In addition to the Military Value criteria, other factors were considered.

V. Scenario Development

With the capacity and military value analyses complete, the TJCSG then began an iterative process to identify potential closure and realignment scenarios. These scenarios were developed using either a data-driven

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optimization model or a strategy-driven approach. Each approach relied heavily on the military judgment and experience of the subgroup members.
The optimization models incorporated capacity and military value analysis results and force structure capabilities to identify scenarios that maximized military value and minimized the amount of capacity retained. These models were also used to explore options that minimized the number of sites required to accommodate a particular function or maximized potential savings. As data results were analyzed, the subgroup members evaluated additional scenario options.

A second methodology of generating scenarios for analysis was driven by the TJCSG strategy. Scenarios developed by this method were verified against data collected in earlier capacity and military value analysis.

VI. Other Considerations Criteria

Once the decision makers determined that the particular scenario was consistent with or enhanced military value, they proceeded to evaluate the scenario against the remaining selection criteria. Those criteria include determining Payback and Economic Impact, Assessing Community Infrastructure and determining Environmental Impact. The Other Considerations criteria specifically include the following:

(5) The extent and timing of potential costs and savings, including the number of years, beginning with the date of completion of the closure or realignment, for the savings to exceed the costs
(6) The economic impact on existing communities in the vicinity of military installations
(7) The ability of the infrastructure of both the existing and potential receiving communities to support forces, missions and personnel
(8) The environmental impact, including the impact of costs related to potential environmental restoration, waste management and environmental compliance activities

In the final stages of the scenario analysis process, using analysis against all eight selection criteria, each analytical subgroup member determined which of its scenarios to recommend for approval. Any scenario recommended became a candidate recommendation. The OSSG became one of those recommendations.

VII. Operations and Sustainment Systems Group

The Operations and Sustainment Systems Group (OSSG) is part of the Operations Support Systems Wing located at Hanscom Air Force Base, MA. The Operations Support Systems Wing has more than 3,600 people assigned (to include 230 officers, 670 enlisted personnel, 1,200 civilians and 1,500 contractors). The Operations Support System Wing designs, acquires, installs and maintains operations support systems for the Air Force and the DoD. The wing, one of four acquisition wings at Headquarters Electronic System Command, acquires and maintains systems used by virtually every organization on Air Force bases world wide. The Wing is responsible for ACAT I programs valued at over $3.1B located world wide and is considered the Information Technology Center of Excellence for the Warfighter. The primary mission areas include:

- Program Management
- Operations and Sustainment

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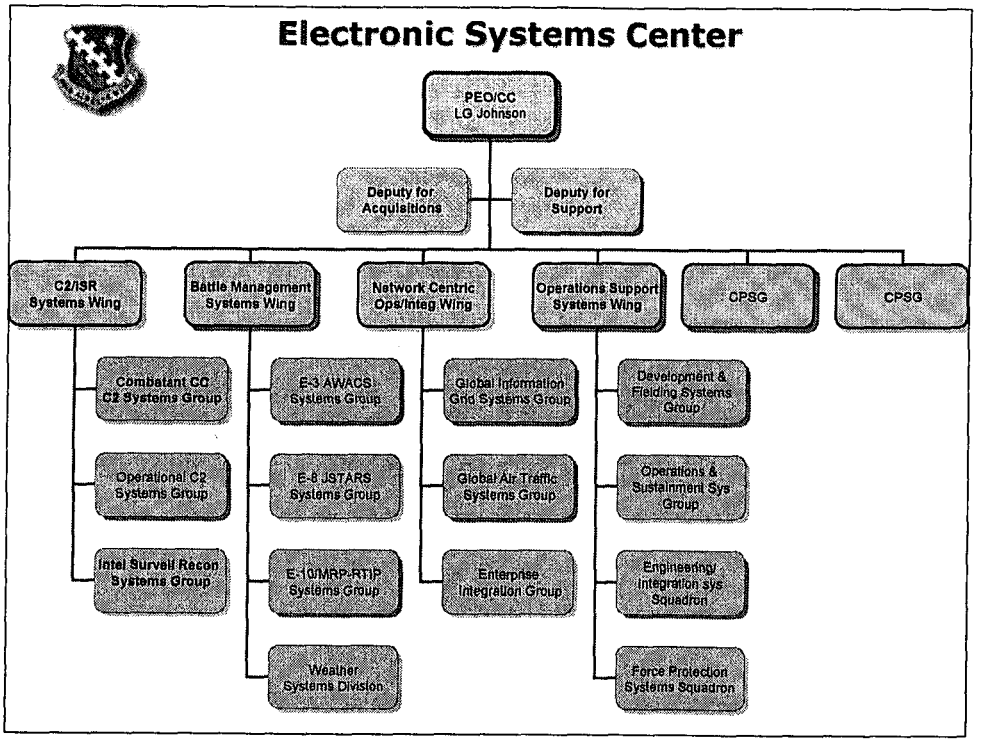
- Information Technology Commodities Acquisition

The wing is composed of four geographically separated units (see diagram below):

- Development Fielding Systems Group (Wright-Patterson AFB, OH)
- Operations and Sustainment Systems Group (Maxwell AFB, AL)
- Engineering/Integration Systems Squadron (Maxwell AFB, AL)
- Force Protection Systems Squadron (Hanscom AFB, MA)



Electronics System Center with the Operations Support Systems Wing

The largest organization within the Operations Support Systems Wing is the OSSG. The OSSG provides technical and customer service support as well as acquisition and program management oversight for over 160 Combat Support Information Technology (IT) systems. The mission of the OSSG is to, "*Provide and support secure combat support information systems and networks for the Air Force and DoD components using innovative IT contracts to acquire and manage Enterprise services and commodities.*"

The OSSG also manages the Air Force standard desktop environment, and serves as the Air Force lead for software program management under the auspices of the DoD Enterprise Software Initiative. The OSSG provides Air Force Network Operations Security for circuits and routers, and provide situational awareness for their DoD customers. Their Field Assistance Branch is responsible for over 11 systems worldwide as well as providing the Air Force infrastructure support for systems such as the Integrated Logistics System for Supply Operations, the Deliberate Crisis Action Planning Execution System, the Logistics Contingency Assessment Tool, the Combat Ammunition System, the Global Combat Support System-AF, the Defense Management

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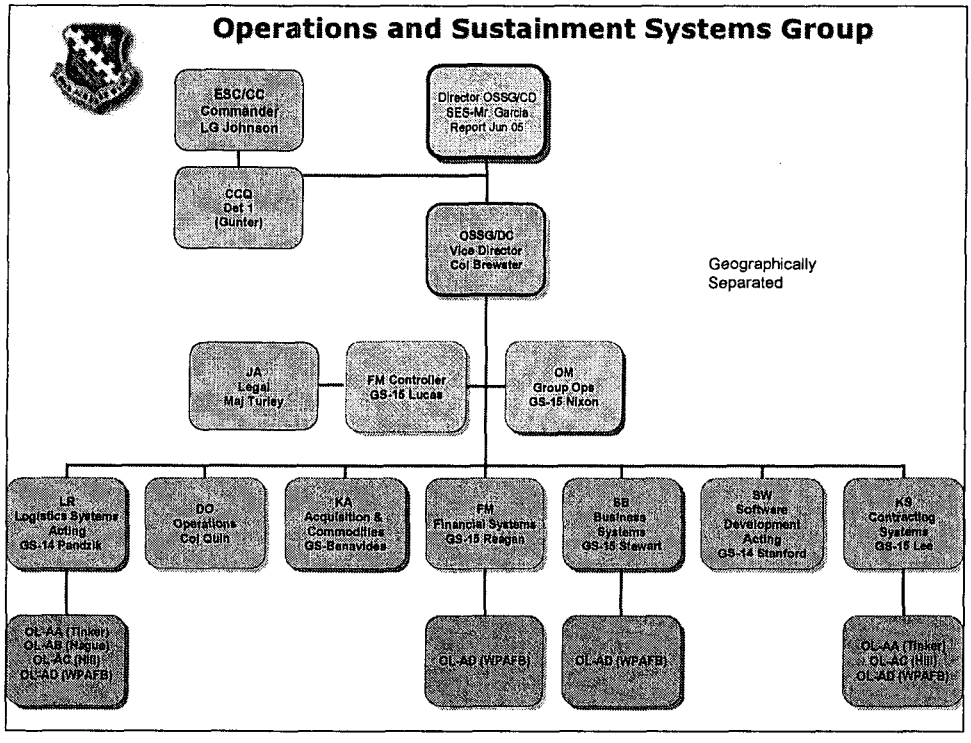
System, the Combat Information Transport System and firewalls. The OSSG has over 1,100 government employees to include a mix of officer, enlisted, civilian and contractors in geographically separated locations. See the diagram below.



Operations and Sustainment Systems Group

Additionally, the OSSG has an annual Working Capital Fund operating budget of $303M. Finally, the OSSG manages 51 Air Force Contracts and Basic Purchasing Agreements with a total value of $13.1B.

VIII. COBRA Model Analysis

COBRA is an economic analysis model. It estimates the costs and savings associated with a proposed base closure or realignment action. The model output can be used to compare the relative cost benefits of alternative BRAC actions. COBRA is not designed to produce budget estimates, but to provide a consistent and auditable method of evaluating and comparing different courses of action in terms of the resulting economic impacts for those costs and savings measured in the model.

The COBRA Model calculates the costs and savings of base stationing scenarios over a period of 20 years. It models all activities (moves, construction, procurements, sales, closures) as taking place during the first 6 years, and thereafter all costs and savings are treated as steady-state. The key output value produced is the Payback Year. This is the point in time where savings generated equal (and then exceed) costs incurred. In other words, this is the point when the realignment/closure has paid for itself and net savings begin to accrue. The Payback Period is the period between the end of the realignment action and the Payback year.

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The COBRA Model allows alternative closure/realignment scenarios to be compared in terms of when the Payback Year is reached. Should a Payback Year not be achieved for a specific scenario, that scenario will result in a net cost rather than savings. Similarly, if a scenario has a long Payback Period it will not start to generate net savings until well after the BRAC action would have been completed. Such an action would generally be less economically beneficial than one with an earlier Payback Year.

The COBRA Model also calculates and reports the Net Present Value (NPV) for the 20 year planning period of each scenario analyzed. NPV is the present value of future costs of a scenario, discounted at the appropriate rate, minus the present value of future savings from the scenario. All dollar values, regardless of when they occur, are measured in constant base-year dollars. This is important because it eliminates artificial distinctions between scenarios based on inflation, while highlighting the effects of timing on model results. Costs and savings are calculated for each year of the 20 year planning period. For each year, total costs and savings are then summed to determine a net cost for that year. The net cost of each year is then added to the net cost for preceding years to determine the total net cost to that point in time. The sum of the total net costs for all 20 years is the Net Present Value of the scenario.

A. Baseline Case – DoD Scenario

Using the COBRA Model, WBB examined the scenario concerning the Maxwell AFB, AL, and the Operations and Sustainment Systems Group data as provided by the Montgomery Chamber of Commerce. This option will be referred to as the DoD Baseline Case. The COBRA Model calculated the Net Present Value of -$229M (i.e., no savings) and a Payback Period of 8 years for this scenario.

After a thorough review of the COBRA Model calculations, WBB identified several inconsistencies impacting savings. The "heart" of the issue revolves around authorized end strength for the OSSG. The going in assumption for the COBRA Model calculations is that there are dollars associated with the military and civilian end strength numbers. In reality and as noted earlier, the OSSG is a working capital funded organization (as opposed to mission funding). The distinction is important. In a working capital funded organization, end strength authorizations have no funds associated with them. Moreover and by law, with a working capital fund revenue must be aligned with cost and not associated with military and civilian end strength. Furthermore, given that the OSSG just accomplished a Most Efficient Organization (MEO) competition, the OSSG is in fact at MEO strength now and no manpower savings would be realized or achieved with realignment—the savings has already been taken. Simply put, the "savings" associated with the military and civilian end strength authorizations, as assumed in the BRAC COBRA Model calculations, have already been taken in the MEO process. WBB identified some additional discrepancies in the COBRA Model calculations. They include:

- The COBRA Model data reduces the OSSG personnel levels below that which the organization identified in the recent MEO process. The MEO identified 1,015 personnel (as seen in the Actual Onboard Column below) as the number required competing within the A-76 framework, yet DoD used a figure of 839 to base their cost justifications. The figure used in the COBRA Model calculations is 30 percent lower than the authorized end strength personnel levels, and 18 percent below the actual onboard number—with no rationale provided. See the chart below

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	Authorized	30% Reduction used in COBRA	Actual Onboard (5/25/2005)	Delta from COBRA to Onboard
Officers	135	95	101	+6
Enlisted	534	374	431	+57
Civilians	528	370	483	+113
Total	1197	839	1015	+176

Operations and Sustainment Systems Group Manpower Table

- There is no data in the COBRA Model on contractor support and the associated costs. There are approximately 940 contractors (approximately 50 percent of the OSSG workforce) working in Montgomery both on-site and off-site directly supporting the OSSG. A preliminary review of contractor support costs by labor man-hour between the two geographic areas (Montgomery, AL, and Boston, MA) indicates at least a 30 to 35 percent increase in the cost for a man-hour of support from a person with the same knowledge and same skill requirements by moving the work from Maxwell AFB, AL, to Hanscom AFB, MA. Even without including the additional costs of each officer, enlisted and civilian who will receive a larger locality pay, there is a potential 15 percent increase in the overall manpower cost to operate in the long-term due to contractor labor costs

- The COBRA Model calls for Military Construction (MILCON) funds in FY06 and FY07. Based on the statutory requirement to Congress of MILCON requests two years prior to execution and the fact that the FY06 budget is under Congressional review now, it appears the proposed realignment could not take place any earlier than FY09. A further complicating factor is the need for a sophisticated, environmentally sensitive Information Technology facility to house the OSSG

In summary, the DoD Baseline Case has several "apparent" inconsistencies in the data used for the calculations. Therefore the savings (Net Present Value and the Payback Period) appear to be suspect. (Baseline Case COBRA Model Data is in Appendix 1.)

Accordingly, WBB ran five alternative scenarios or excursions. These alternative scenarios captured and evaluated the inconsistencies noted during the DoD Baseline Case COBRA Model data review. The five excursions examined include the following:

- Alternative 1 – No realignment of the OSSG. WBB ran this alternative first based on the fact that the OSSG mission is predominately operations and sustainment vice RDAT&E—the intent of the BRAC recommendation realignment to create a C4ISR RDAT&E Center of Excellence

- Alternative 2 – Baseline Case, but include the Missing Contractor data. This excursion examined the DoD COBRA run as given, but included the OSSG 940-person contractor workforce to ensure the entire OSSG workforce was included in the realignment computations

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