

**National City**

DCN: 5804

**National City Bank**  
Southwest Region

BRAC Commission

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E-Mail: james.hoehn@nationalcity.com

**JUL 25 2005**

**James R. Hoehn**  
President & CEO

July 20, 2005

Received

Dear Mr. Chairman:

On behalf of National City Bank and our 3000 employees in the Dayton, Ohio region, I would like to both thank you and comment on the challenging efforts by the Base Realignment and Closure Commission.

I am quite certain that you have received a significant amount of information regarding specific BRAC review for Wright Patterson Air Force Base and surrounding defense installations.

My specific comments are brief and address the community process for BRAC related initiatives set forth several years ago by the Dayton Development Coalition and their respective partners.

This broad based community initiative was to offer solutions to the BRAC Commission that aligned not only Air Force needs; yet stress overall military value and joint ness that support the Department of Defense missions.

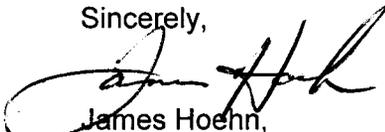
Each WPAFB mission was heavily scrutinized to save DOD dollars and apply transformation and change in maximizing overall military efficiencies.

The unique infrastructure at WPAFB and other area defense installations far surpass on Air Force only mission and creates war-fighting capabilities for integrated global defense. In addition, our financial modeling included cost of labor, cost of living and overall quality of life analysis compared to other areas of the country. This represents significant savings to DOD that does not exist in other high cost regions of the country. As a major financial institution, National City Corporation houses the country's eighth largest mortgage operation in Dayton, Ohio for those reasons.

Our community fully understands the degree of difficulty in reducing excess defense capacity for which you are currently engaged.

Please know that we support your mission of operational readiness for total force and believe the aforementioned process should give the Commission confidence in achieving those goals in Dayton, Ohio.

Sincerely,

  
James Hoehn,  
President and CEO

The Honorable Anthony Principi  
Base Realignment and Closure Commission  
521 South Clark Street  
Suite 600  
Arlington VA 22202

Subject: Air & Space Information Systems Directorate form Wright-Patterson AFB OH, **Maxwell AFB, AL** and Lackland AFB TX to Hanscom AFB MA.

Dear Mr. Secretary,

Before I get started I would like to tell you a few things: 1) That the decision to move the Operations and Sustainment System Group (OSSG) from Maxwell AFB to Hanscom does not affect me personally. I do not work there. 2) I didn't write a letter when Maxwell converted to an "A76" Contractor supported installation because I truly believed it was best for the taxpayer. 3) If the move takes place I will actually benefit because I will get to go TDY up there more often and I will be able to visit all my family in Manchester, New Hampshire. 4) I was born and raised in New England and find my self cheering on the New England Patriots as well as the Boston Red Sox and Celtics any time they play. However, as a taxpayer I can not cheer on behave of this decision.

As a taxpayer my concerns are as follows:

**1) Cost Saving.** If the purpose of the BRAC is to "save money". Then why does it make sense to move 1300 positions to Hanscom instead of moving the less than 100 positions currently located at Hanscom to Maxwell or even Wright Patterson. Reviewing the support listed on the BRAC site indicates that a study to determine cost savings was only performed when the scenario was moving the jobs from the low cost area to the high cost area and not visa versa; therefore, a cost comparison was not performed. The only cost saving was due to the lost of civilian and Military jobs and that could be accomplished without moving anyone anywhere. Furthermore, there was no indication that anyone looked at what the increase of cost to the Air Force for software development and sustainment would be and this a disservice to the taxpayer. Specifically, just to select a few of the obvious variables, the civilians locality pay is almost 7% higher in Bedford MA and Military housing allowance is over \$1,000 per month (\$12,000 annually) more in Bedford than in Montgomery Alabama. But the largest increase of cost will come at the hands of contractors. In Montgomery we pay approximately \$75.00 for contract labor per hour to support system sustainment and I am sure that number is substantially higher in Bedford but for this analysis we will only double the contract support cost:

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	FY PB 2005 (current)	Cost if Moved to Hanscom	Increase to the taxpayer per year
Information Services Activity Group (ISAG) Civilian Cost	97,594,000*	104,323,000	6,731,000
Military Housing Allowance increase		6,216,000**	6,216,000
Contractor Support	398,308,000***	796,616,000****	398,308,000
<b>Total</b>			<b>411,255,000</b>

\* FY 2005 Presidents Budget

\*\*518 military relocating increasing BAH \$1000+ per month more 518x\$12,000=\$6,216,000. However, it is noted that there are plans to build additional military housing at MA taxpayers expense.

\*\*\*FY 2005 Presidents Budget (Contract Consultants [\$54,440,000] and Management and Professional Support Service [\$343,868,000])

\*\*\*\*Double the current cost

Therefore, just a short review of increase cost has the taxpayer's burden increase to almost **one half Billion dollars** a year if we move the Information Services Activity Group to Hanscom. Which far out weighs the predicted savings of 36 Million a year therefore, the predicted payback of 8 years will never happen. And don't forget the one time cost of \$250,700,000 moving to Hanscom according to your own COBRA data. In addition, the increase of recurring cost (facility sustainment, BOS, etc...) is 35% higher at Hanscom than in Montgomery (area cost factor for Hanscom is 1.16; Maxwell is .81) In fact, everything I look at is higher in Massachusetts than Alabama. There goes any cost savings we the taxpayer thought we had! (ref attachment A)

The agency I work for downsized our unit by over half at Hanscom 5 years ago because we could not keep the office full of qualified personnel due to area cost.

**2) Expertise.** The purpose and goals of this BRAC are not being met with this decision. Specifically, if the BRAC recommendation are intended to **“retain those installations that have unique capabilities that would be difficult to reconstitute at other locations”** then moving OSSG is actually doing the opposite. Specifically, the expertise from OSSG can not be found in Bedford Mass. These jobs are mostly civilian because it was determine a long time ago to sustain systems you need continuity and not high turn over found in traditional military organizations. Some of these systems are old, using COBAL programming language and I am sure MIT is not graduating any COBAL programmers so who is going to maintain the large legacy systems (e.g., Standard Base Supply System) once they move up north? The kind of expertise necessary to support these systems are not easily replaced. It will take new hires years to figure and maintain the millions and millions of lines of code that make up these systems. In one office that I am most familiar with are four individuals that maintain the functionality of a module of

the civil engineering system. Between these four individuals you have over 115 years of expertise and none of those individuals plan to move up north. So all your continuity of the system is gone, gone for good. The main reason why the folks in Alabama do not plan to relocate is because the extreme high cost of living, the Air Force will be lucky to get 10% of the civilian to move to Bedford and that will not be enough to get the job done. Just a quick check using the on-line salary calculator if you are making \$100,000 in Montgomery "Alabama you would have to make \$168,000 to maintain one's standard of living (ref attachment B). A typical house you would see just within five miles of the base on an half acre with 1800 square feet of living space cost three to four times more in Bedford then it does in Alabama. The other reasons include weather, family and friends.

The Secretary of the Army realized the loss of expertise was a problem when question by the commissioners, on 18 May 2005, "Secretary Harvey said the Army had concerns about closing Fort Monmouth in New Jersey and moving its research and development mission to Aberdeen Proving Ground in Maryland. Of the Fort Monmouth's 5,272 employees more than 4600 are civilians said rep Rush Holt who attended the hearing and whose district includes the post. Secretary Harvey said army officials were concerned that many of the civilians wouldn't be willing to move. When the Aviation Research Group moved from St Louis to Redstone Army Arsenal in Alabama, only about one quarter of the civilians moved he said. Commissioner James Bilbray said if too few civilians workers moved from Forth Monmouth, it could take years for the Army to rebuild the post's mission at Aberdeen, and that might be ill-advised during ongoing military conflicts in Iraq and Afghanistan." (ref attachment C)

This loss of expertise will also impact how the systems achieve Chief Financial Officer Act compliance because if the program office can not answer questions about the functionality of the system when the DoD IG comes in to audit the system, the system will fail.

Additionally, the OSSG is collocated with the Defense Information Systems Agency (DISA) which houses the systems OSSG supports. The working relationship between the two units will be hampered when OSSG is moved because the OSSG will not be able to just walk across the street to coordinate with DISA on issues affecting Air Force information systems.

Furthermore, you can not say it is the OSSG leadership that has to change, because the previous director of OSSG is the same leadership we have at Hanscom. In this day and age with technology (e.g., Video Tele-Conferencing) as it is, there is no reason why the Wing can not be located in geographically separate locations.

**3) Documentation.** I haven't spent a lot of time reviewing the support on the BRAC web site but with the little time I did spend I have found problems. Specifically, the document titled "Capacity at Location with Air C4ISR Development and Acquisition and Test and Evaluation" (ref Attachment D) you are comparing apples to oranges. This file indicates that *Hanscom AFB's current* capacity of SqFt of is 811,468 which is more

square feet of admin space then **all** of Hanscom has (admin space is category 61XXX code--Hanscom has approximately 200,000 sqft of admin space). Furthermore, if Hanscom has excess capacity 599,955 why is the state planning on building a facility to house OSSG. Then the list has *Hansom AFB Montgomery (Maxwell)* instead of Maxwell AFB Montgomery AL and you list only the facilities that OSSG occupies (443,982 square feet) at Maxwell, you are not including all admin space for the whole base. It just doesn't make sense. Why include the whole base and other than Admin space when listing Hanscom and not do the same for the other locations. The last time I was TDY to Hanscom and visited a system program office, the system program office was located off base. One other thing, are you aware that OSSG is currently building a new facility at Maxwell at a cost of \$7.5 million dollars. It should be ready before the move take place.

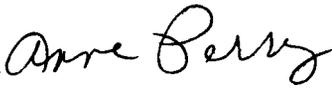
The Document titled "Air C4ISR Development and Acquisition and Test and Evaluation Information Systems Technology D&A" has Hanscom AFB with the highest MilVal and highlighted, however Hanscom also has the lowest (not highlighted) shouldn't there have been an effort to combine these figures. The explanation of two zip codes doesn't fly with me because Maxwell has two zip codes as well. (ref attachment E)

The document titled "Information Systems Technology D&A" doesn't have any facility data for Maxwell or should I say "*Hansom AFB Montgomery*" We know that Maxwell does in fact have Full Time Equivalents (FTE). One can only think that the data on Maxwell did not fit into the expected results? (ref attachment F)

**5) Environmental.** Your documentation states that "the scenario requires roughly 40 acres; Hansom reported it's largest parcel is 18.27 acres, and only 8.4 unconstrained aces are zoned for industrial ops. This scenario may require building on constrained acreage." (ref attachment G) If this is the case, where are all these facilities going to be built. Hanscom doesn't have enough room for any expansion.

**5) Political.** It is apparent that the decision to move to Hanscom had to be completely political because of all the promises of additional money the Governor of the state of Massachusetts and Senator Ted Kennedy have made. So the state will build military housing and a facility for the individuals from Maxwell, Lackland and Wright Patterson to move into. The reason I think it was purely political is because there is no cost comparison from moving Hanscom to any of the three of the locations. I just think it is ironic that we are planning to move over a thousand people to a state that doesn't fully support the military. Specifically, to a state where the most prestigious collage "Harvard" doesn't even allow ROTC on campus. Why not keep the jobs in Alabama where the largest National Guard exist and where you get more new recruits per capita!

This discussion has really bothered me, it gives me the feeling that one would get if you found out your daughter is in a car with no brakes and you can not do anything except wait for the crash to occur. Thank you for your time, and as a taxpayer only, I ask you to rethink this move.

Sincerely,   
Anne Perry  
130 Seminole Circle  
Coosada Alabama 36020  
334.285.6315

CC: ADM Harold Gehman, USN (ret) Member  
Terry Evertt  
Jeff Sessions  
Richard Shelby  
Montgomery Chamber of Commerce

# LOOKS LIKE NERDS CAN GET BACK TO BEING DORKS.



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## Calculators

### COST OF LIVING

#### RESULT

To maintain the same purchasing power, a salary of \$ 100,000 in **Montgomery AL** needs to be **\$145,130.89** in **Boston MA**

*Bedford MASS  
Not available  
However based on housing  
it should be even higher*

#### In going from Montgomery AL to Boston MA

Grocery items are	24.507%	higher
Housing is	96.48%	higher
Utilities are	39.139%	higher
Transportation is	7.493%	higher
Health care is	88.471%	higher
Misc goods/services are	19.677%	higher

TRY AGAIN

Data is generated from an average of the past four quarters ending 2004 fourth Quarter. Data provided by ACCR

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*Atch A*

Department : Technical JCSG  
 Scenario File : E:\Database\COBRA Database\TECH-0042\TECH-0042 Part 7\6.10\J1 - C4ISR RDATA&E Consolidation  
 Tech042pt7\_scrubbed\_updated1APR2005(6.10).CBR  
 Option Pkg Name: C4ISR RDATA&E Consolidation  
 Std Fctrs File : E:\Database\COBRA 6.10\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	TRICARE	In-Pat Out-Pat
Area Cost Factor:	0.81		Admits Visits Prescrip
Per Diem Rate (\$/Day):	100	CostFactor	3,263.93 91.12 0.48
Freight Cost (\$/Ton/Mile):	0.16	Actv MTF	0 74,052 98,167
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	1,008 44,653
Latitude:	32.382399	Retiree	0 23,633 128,718
Longitude:	-86.356860	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	TRICARE	In-Pat Out-Pat
Area Cost Factor:	1.16		Admits Visits Prescrip
Per Diem Rate (\$/Day):	243	CostFactor	5,930.73 148.82 24.16
Freight Cost (\$/Ton/Mile):	0.37	Actv MTF	0 23,094 33,628
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	464 34,601
Latitude:	42.459953	Retiree	0 4,411 24,917
Longitude:	-71.277800	Retiree65+	0 511 50,184

*Atch A*

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

*Atch A*



**COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 1/2**  
 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

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
<b>TOTAL</b>	<b>50,557</b>	<b>107,518</b>	<b>49,937</b>	<b>-35,421</b>	<b>-19,949</b>	<b>-35,421</b>	<b>117,219</b>	<b>-35,421</b>

	2006	2007	2008	2009	2010	2011	Total
<b>POSITIONS ELIMINATED</b>							
Off	22	0	52	0	0	0	74
Enl	3	0	203	0	0	0	206
Civ	191	0	179	0	0	0	370
<b>TOT</b>	<b>216</b>	<b>0</b>	<b>434</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>650</b>

	2006	2007	2008	2009	2010	2011	Total
<b>POSITIONS REALIGNED</b>							
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
<b>TOT</b>	<b>0</b>	<b>0</b>	<b>1,281</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,281</b>

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.

*Atch A*



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<b>Then</b>	
You would need to make:	\$ 168,747
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May 18, 4:21 PM EDT

Army Secretary Defends Base Closing Plan

By DONNA DE LA CRUZ
Associated Press Writer

WASHINGTON (AP) -- Army officials said Wednesday the base closings and realignments the Pentagon is recommending are necessary in a new era of terrorist threats.

"We cannot afford to continue to operate as a static overseas base force designed to counter Cold War-era threats," Army Secretary Francis J. Harvey told the nine-member Base Realignment and Closure Commission.



The Pentagon proposed closing 15 active duty Army installations, 17 leased facilities, 176 Army Reserve installations and 211 Army National Guard facilities. The commission can change the plan before sending it to President Bush and Congress.

Meanwhile, South Dakota's two senators planned to introduce legislation that would delay the process until most troops return from the Iraq war and the Pentagon issues its Quadrennial Defense Review, which will evaluate the Pentagon's future strategy. The measure, if approved, also would nullify the list of base closings issued May 13.

Under questioning by commissioners, Harvey said the Army had concerns about closing Fort Monmouth in New Jersey and moving its research and development mission to the Aberdeen Proving Ground in Maryland.

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Of Fort Monmouth's 5,272 employees, more than 4,600 are civilians, said Rep. Rush Holt, D-N.J., who attended the hearing and whose district includes the post.

Harvey said Army officials were concerned that many of the civilians wouldn't be willing to move. When the Aviation Research Group moved from St. Louis to Redstone Army Arsenal in Alabama, only about one-quarter of the civilians moved, he said.

Commissioner James Bilbray said if too few civilian workers moved from Fort Monmouth, it could take years for the Army to rebuild the post's mission at Aberdeen, and that might be ill-advised during ongoing military conflicts in Iraq and Afghanistan.

Fort Monmouth has developed numerous weapons systems and other technological devices currently being used by U.S. soldiers in Iraq and Afghanistan.

Interactive

Base Closings

Latest News

Commission Chairman Anthony Principi asked

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where 70,000 overseas troops would be stationed when they came back to the United States. Army officials said of that number, 47,000 are Army personnel and would be going to Fort Bliss in Texas, Fort Riley in Kansas, Fort Carson in Colorado, Fort Lewis in Washington state, and Fort Shafter in Hawaii.

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**One Georgia Naval Base Hits the Jackpot**

**House Panel Ups Military Health Care Funds**

**Army Secretary Defends Base Closing Plan**

**Summary Box: Rumsfeld Argues Base Closings**

**Bush Nominates Air Force Chief of Staff**

**PHOTO GALLERY**



Military Base Closings

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

Facility Name	Max Capacity					
	Current Capacity SqFt	Current Usage SqFt	Potential Capacity SqFt	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

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~~500,000~~

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

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

<b>Facility Name</b>	<b>MilVal</b>
<b>Hanscom AFB</b>	<b>0.4398</b>
<b>Wright-Patterson AFB</b>	<b>0.2160</b>
Tinker AFB	0.1732
BROOKS CITY-BASE	0.1653
<b>Lackland AFB</b>	0.1544
Eglin AFB	0.1302
EDWARDS AFB	<b>0.1146</b>
<b>Maxwell AFB</b>	<b>0.1005</b>
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.

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**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
<b>Hanscom AFB</b>	1,641	1,641	1,698	57	1,805	-107
<b>Wright-Patterson AFB</b>	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)
<b>Lackland AFB</b>	<b>72</b>	<b>72</b>	<b>73</b>	<b>0</b>	<b>80</b>	<b>-7</b>
Eglin AFB			0	0	0	0
EDWARDS AFB	45	45	50	5	50	0
<i>Maxwell</i> . . <b>Hanscom AFB Montgomery</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
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

*Atch F*

<b><u>General Environmental Impacts</u></b>	
<b>Environmental Resource Area</b>	<b>Hanscom</b>
<b>Air Quality</b>	An initial air conformity analysis indicated that a conformity determination is not needed. Carpooling initiatives are used as an emission reduction technique.
<b>Cultural/ Archeological/ Tribal Resources</b>	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.
<b>Dredging</b>	No impact
<b>Land Use Constraints/ Sensitive Resource Areas</b>	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.
<b>Marine Mammals/ Marine Resources/ Marine Sanctuaries</b>	No impact
<b>Noise</b>	No impact
<b>Threatened&amp; Endangered Species/ Critical Habitat</b>	No T&E species or critical habitats exist. No impact to T&E species is expected.
<b>Waste Management</b>	The hazardous waste program will need modification.
<b>Water Resources</b>	The state requires a permit for withdrawal of groundwater.
<b>Wetlands</b>	Wetlands restrict 5% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

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The Honorable Philip Coyle  
2005 Defense Base Closure and Realignment Commission  
2521 S. Clark St. Ste. 600  
Arlington, VA 22202

06232005

Dear Phil,

How have you been? I hope all is going well for you and yours. I am doing well out here in Dayton, having retired from Air Force Civil Service back in June '02, to try to do some of those things I never seemed to have time for while working. I remain active in the aircraft survivability and live fire area by working part time. My employer (Skyward, Ltd.) has even allowed me to take the summer off, which I am thoroughly enjoying. I really have the best of both worlds, but sometimes miss those 'good old days', with the quick trips to Washington, arguing with Jim O'Bryon, and trying to convince General Leaf (usually a pretty 'hard sell', as you know) of some Live Fire nuance.

I am sending you this note because I am concerned over the outcome of the latest BRAC round, with respect to Live Fire Test and Evaluation (LFT&E). As you are aware, one of the recommendations of the BRAC is to close the Air Force's only aircraft vulnerability Live Fire Test and Evaluation organization, and move the tasking to the Navy at China Lake.

While the Navy has excellent people and facilities at China Lake, I feel the move to eliminate Air Force capabilities at Wright-Patt is a mistake for the Air Force, the DoD, and the taxpayer. While at first blush, elimination of any duplication within DoD may seem to make sense, I believe the uniqueness in capabilities, the flexibility offered by having more than one approach to LFT, together with the need for maintaining a critical mass of expertise within the Services more than offsets any perceived savings.

Both Air Force and Navy LFT&E organizations operate on a reimbursable basis, hence there is really no significant recurring infrastructure investment made by the Air Force. Since the major LFT ranges of both Services are fully booked, the closure of the Air Force facility will require a major, essentially identical, investment in facilities and personnel to duplicate Air Force capabilities at China Lake. It will take many years, if ever, to recoup any small annual savings.

A Section 912c RDT&E Infrastructure Study, titled 'Study of Department of Defense Air Vehicle Live Fire Test and Evaluation Facilities', was conducted in 2000 to examine the viability of closing one of the Services' LFT&E facilities. It concluded that, "... the outcome would be an unacceptable cost and schedule risk to major acquisition programs". It went on to say, "... that closure of any Service test facility is contrary to the best interests of the Service acquisition structure, the live fire test and evaluation community, the warfighter, and the taxpayer."

The Live Fire Test organization at Wright-Patt (now 46 OG/OGM/OL-AC, part of the 46<sup>th</sup> Test Wing Operating Group, Munitions Division) is also the only organization in the Air Force dedicated to aircraft vulnerability R&D. As you well know, Air Force management, with some exceptions, has never really embraced LFT&E. I am concerned that future Air Force systems, and their operators, will not be afforded state-of-the-art threat protection that comes with aggressive R&D. I would not like to see the Air Force have to relearn the harsh lessons from the SEA conflict, when we lost so many aircraft, largely due to ignorance of survivable aircraft design.

46 OG/OGM/OL-AC is currently involved in some truly ground-breaking work. In addition to many other efforts, including LFT&E on the F-35, C-5, C-130 AMP, and the future Personnel Recovery Vehicle, they are leading an exciting effort to couple MANPADS vs. CF6 and JT9D engine impact analytical predictions with actual warhead/engine testing. This work will have a major payoff to civilian aviation, as well as the warfighter. I have attached a visual of some of the current modeling effort.

For additional background, I have also attached a letter from Wyle Laboratories, the Wright-Patt LFT&E facilities operator, to the local Dayton Development Coalition addressing local personnel and economic effects of closing the Wright-Patt facility. The savings estimates made in the BRAC report are far too low, as shown in the Wyle letter. While a relatively small issue when compared to a major base closing, I believe the lasting impact to future aircraft systems to be very large.

Phil, I know in the past, you have taken a personal interest in LFT&E and the future of T&E and T&E facilities within DoD. I hope I have piqued your interest enough to cause you and/or your staff to take a closer look at the ramifications of closing down the only Air Force aircraft Live Fire facility and RDT&E organization. The annual investment in the organization and facilities is small, but I believe closure presents the potential for serious unintended consequences.

The Flight Chief of the 46 OG/OGM/OL-AC is Mr. Paul Ulrich, (937) 255-6823 x 213. I am sure he and his team would welcome any requests for information, travel, or a visit to tell their story. Also, please feel free to contact me.

Very Respectfully Yours,



Ralph W Lauzze II  
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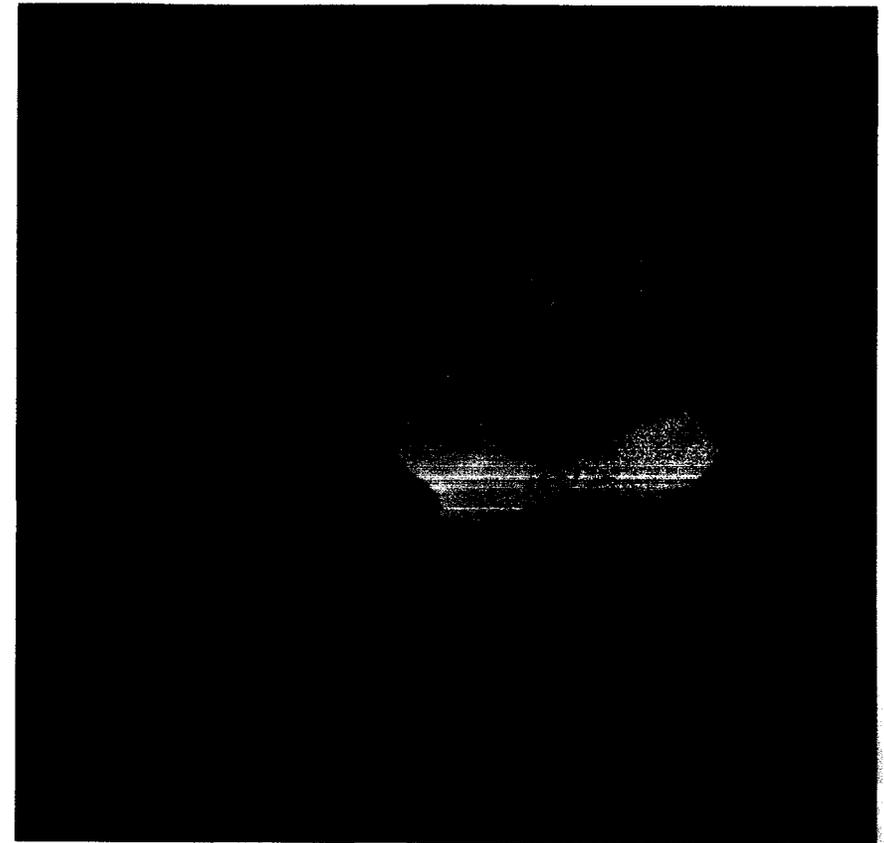
Atch 1 – visual of MANPADS impact modeling

Atch 2 – ltr to Dayton Development Coalition on LFT&E facilities closure

## JT9D Engine Damage Modeling



- Detailed LSDYNA model of JT9D is needed for correct simulation of MANPADS hit
  - Current effort by GE is yielding very detailed aft section model of CF6
  - Current model of JT9D was created for bird strike and blade out, thus front of engine is detailed but aft section has very little detail
- Nonlinear, rate and heat sensitive material models of aft section of JT9D are needed
  - Close-in MANPADS detonation will yield pressures in excess of 5000 psi and frag velocities > 7000 fps.
  - Aft sections of engine will be hot and material response to these extreme loads will need to be captured
- Possible engine break-up may lead to cascading engine and airframe damage
  - Progressive failure cannot be modeled with existing parametric vulnerability models (COVART, AJEM)
  - Only physics-based high fidelity FEA model will be able to capture these phenomena.



SA-7 MANPADS detonating  
on surface of large  
A/C engine

atch 2

May 23, 2005

Michael Gilkey  
Senior Program Manager  
Wyle Laboratories  
2700 Indian Ripple Road  
Dayton, OH 45440-3638

RECEIVED

Mr. Jim Leftwich  
Vice President, Aerospace Defense and Technology  
Dayton Development Coalition  
900 Kettering Tower  
Dayton, OH 45423

06232005

Dear Jim,

The DoD BRAC Report of May 2005, (Volume I, Part 2, Section 10, Pages 24-26) recommends to "Realign Wright Patterson Air Force Base, OH by relocating fixed wing related Live Fire Test and Evaluation to Naval Air Weapons Station China Lake, CA".

The justification and impact analyses appear to contain significant errors that, I believe, would have led to a drastically different recommendation had accurate information been considered. Of particular concern to me is the fact that this recommendation has received almost no visibility among our Ohio legislative delegation, regional leadership or even the media. As the senior ranking manager for Wyle in the Dayton area, this recommendation will result in the loss of \$7M of annual revenue in my business and the loss of over 50 of my employees as well.

I am now compiling a comprehensive list of facts and information to set the record straight. Below is a brief summary of the most significant of these.

Justification:

The BRAC report states the recommendation is driven by "inefficiencies that currently exist between the two sites (WPAFB & NAWS-China Lake)." Furthermore, it states that "This action will increase efficiency by reducing overall manpower requirements while also reducing redundancies that exist across the Live Fire Testing domain".

The overlap in capability between the two facilities is overstated. NAWC-China Lake would need significant upgrades (not accounted in the cited "one time cost") to complete the currently scheduled planned testing at WPAFB, much less future programs. Some of these planned upgrades, specifically increased airflow capability for accurate in-flight simulation during live fire testing, has been in the planning stages for years at NAWC without completion. The Advanced Engine Nacelle Facility, which studies engine nacelle fires and potential fire extinguishing agents and systems, is a one-of-a-kind facility unique in the world. These are just two major examples. Furthermore, the Navy test ranges are currently operating at full capacity - the ability of the NAWS-CL to carry out the Navy LFT&E mission as well as the Air Force's without impact to AF schedules

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is not credible. This is especially true considering no additional manpower is to be provided to China Lake (hence a 'net' reduction of one job at WPAFB).

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Jobs and Economic Impact: The report cites the impact to be "a maximum potential reduction of 1 job over the 2006-2011 period in the Dayton, OH Metropolitan Statistical Area." The following is a list of full time employees who would lose their jobs as a result of this relocation:

- 15 Government positions, all civilians from the 46<sup>th</sup> Test Wing (Office symbol: 46 OG/OGM/OL-AC)
- 53 Wyle Labs (prime contractor-formerly General Dynamics)
- 9 Skyward (small business subcontractor to Wyle)
- 6 RHAMM Technologies (small business subcontractor to Wyle)
- 1 ESI (small business subcontractor to Wyle)
- 1 Bennetech (small business subcontractor to Wyle)
- 3 Booz-Allen-Hamilton
- 3 CACI
- 1 Anteon
- 1 RCF (small business)

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The total is 15 government employees and 78 contractors, a far cry from the numbers cited in the report. Only one government position is considered to be lost, because the other fourteen are on surplus or over-strength billets, but indeed 14 additional people will be affected. There is no explanation for the lack of consideration of the contractor personnel. Wyle is the primary support contractor for facility operations at the Aerospace Vehicle Survivability Facility (AVSF). AVSF is the US Air Force name for the WPAFB Live Fire Test Facility. An average of \$1.4M of funding has gone to our on-site subcontractors over the last two years. Two or three of these small businesses are at risk of closing their doors as a result of this action. An average of over \$2.0M funding has gone to material purchases over the last two years, much of it to local vendors and suppliers providing hardware, fixtures, support services and consulting, including University of Dayton Research Institute and Wright State University. Make no mistake; the loss of this mission area will have real impact to the Dayton community.

Payback:

The report cites "total estimated one-time cost to the DoD to implement this recommendation is \$17.7 million". Keep in mind that this includes the consolidation of the AF Development & Acquisition functions which are part of this same recommendation, so relocation of the WPAFB AVSF is less than this amount. The cited relocation cost, critical to the payback analysis, is significantly underestimated. Two years ago, Wyle supported a recent relocation exercise of this facility which estimated the cost to be over \$35 million.

Environmental Impact:

The BRAC report cites this "recommendation will require spending \$0.2M for waste management and environmental compliance activities. Again, this important cost was used in the payback analysis. The AVSF began operation on its current site during World