

The Honorable James V. Hansen
BRAC Commissioner Brief
 Ellington Air Guard Station
 7 July 2005

Colonel Lanny B. McNeely, Commander

Integrity · Service · Excellence

Briefing Overview

- 147th Fighter Wing - Mission Brief
- BRAC Recommendations
- Military Value/Military Judgment Assessment
 - Military Value – Reported vs. Actual
 - Military Judgment Applied to MCI/Strategic Relevance
 - Joint Warfighting, Training, and Readiness
 - Cost - Benefit Analysis
- Homeland Defense
 - Military Risk – detached Alert vs. full Wing presence
 - Scenario Discussion
- Summary

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147th Fighter Wing Mission Brief

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F-16C Block 25 Capabilities

- Avionics
 - TGP (Litening, LANTIRN)
 - NVIS
 - Night vision goggles
 - ALQ-213
 - SADL Data Link
- Weapons

The Block 25 F-16 is a FULLY state-of-the-art Precision Guided Munitions platform

- Loiter Time
 - 4 Hours Un-refueled with three bags
- 6 Minute Average Time to Launch

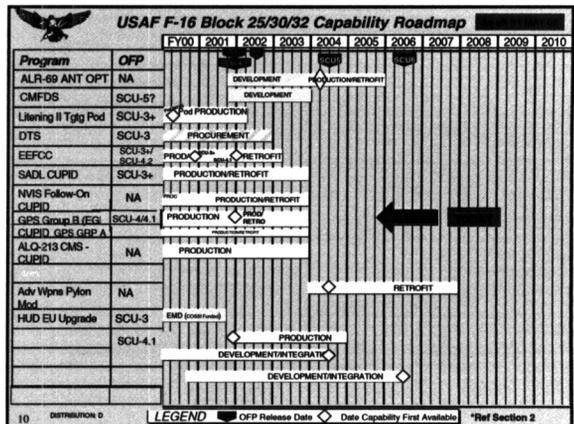
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F-16C Block 25 Capabilities

- 17 A/C - Airframe, Power Plant, and Avionics
- DEPOT (Ogden ALC) Modifications Completed
 - Falcon UP
 - Falcon SLIP
- DEPOT Modifications In Progress
 - Falcon STAR – Suspended 13 May 2005
- *Expenditures - \$31M Over the Last Four Years
 - Service Life Extended to 8000 Flight Hours
 - Programmed Retirement – 2011
- Actual Flight Hours of 147 FW Fleet = 4578 AVG

There are YEARS of capability left – the money has already been spent...

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Core Competencies

- Home Land Defense (Alert Site)
 - **Defend from the air**
 - 4 x population centers
 - 2 x nuclear power plants
 - Chemical plants
 - Houston shipping channel and port
 - Off Shore Oil Platforms
 - POTUS CAP / Crawford Ranch
 - Strategic Oil Reserve Storage Sites in East Texas
 - **Air Sovereignty - Counter air only at the moment**
 - NORTHCOM developing ROE for air-to-surface capability

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Core Competencies

- Counter Drug (Alert Site)
 - **Drugs from South America & Mexico**
 - **Counter air only**
- AEF (Strike, CAS, OCA, DCA, SEAD)
 - **Rainbow with our AEF partners (Ft Smith and Duluth)**
 - 4 jets each from each unit to deploy a 12 ship package
 - Remaining jets (13) for Homeland Defense
- Military Command Post
 - **Provides 24/7 CA for South Central United States**
- Provide the only military base presence in SE Texas

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Combat Mission

- ORI Proven - April 2005
 - **Precision Guided Munitions**
JDAM, WCMD, LGB, MAVERICK
 - **Defensive Counter Air**
 - **Close Air Support / Time Sensitive Targeting**
 - **93.7% mission employment effectiveness: "Excellent"**
 - **94.7% sortie generation effectiveness: "Excellent"**
- COMBAT Bound - August 05
 - **AEF 5/6 OIF**
 - **Tactical Airborne Reconnaissance System (TARS) upgrade (Jun 05)**
- Joint Training Critical Asset - Ft Polk JRTC

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Alert Mission

- Air Defense Alert 24/7
 - **Defenders of the Gulf Coast since 1956**
 - **Robust Capabilities Post 9/11**
- Professional Air Sovereignty Alert (ASA) record:
 - **"Outstanding," "Excellent" and "Outstanding" ratings on last three HQ NORAD/G Alert Force Evaluations**
 - **One of seven alert sites in the CONUS on September 11 2001**
 - **Four 147th F-16's escorted Air Force 1 - September 11 2001**
 - Florida - Louisiana - Nebraska - Washington DC

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BRAC Recommendations

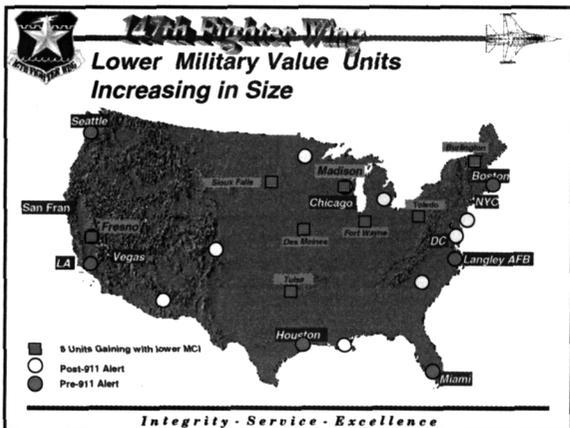
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10 Critical Population Centers

Pre-9/11 Alert Sites

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- ### BRAC CRITERIA - Military Value
- The current and future mission capabilities and the impact of the DOD's total force, including the impact on joint war fighting, training, and readiness
 - 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
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- ### BRAC CRITERIA - Military Value (cont)
- The ability to accommodate contingency, mobilization and future total force requirements at both existing and potential receiving locations to support operations and training
 - The cost of operations and the manpower implications
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- ### Military Value (MV)
- Military Judgment applied to Quantitative Data is the basis of MV *
 - **Military Judgment**
 - Infrastructure Steering Group (ISG)
 - Joint Cross Service Groups (JCSG)
 - Base Closure Executive Group (BCEG)
 - **Quantitative Data**
 - Mission Compatibility Index (MCI)
 - COBRA
 - WIDGET Data Calls
- * (Michael Wynne, Asst SecDef, 28 September 2004 memo)
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DoD BRAC Recommendations for Ellington AGS

- Retire assigned F-16C Aircraft – FY07
- Air Sovereignty Alert to remain (Detachment)
- ECS elements remain in place (MSG+)
- GSU (272 EIS-LaPorte) relocate to Ellington
- Manpower Loss – Civilians (3) Military (0)
- Cost Savings – NPV 20 years is \$3.6M
- No Natural Infrastructure or Community Issues
- Minimal Economic Impact

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Fighter Mission Compatibility Index

- Current / Future Missions **46 %**
 - Operating Environment
 - Geo-Locational Factors
- Condition of Infrastructure **41.5 %**
 - Key Mission Infrastructure
 - Operating Areas
- Contingency and Mobilization **10 %**
 - Mobility Surge
 - Growth Potential
- Cost of Operations and Manpower **2.5 %**

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Fighter Mission Compatibility Index Comparison in Peer Group*

F-16 Block 25	MCI	Current/Future Mission 46% Eff.	Condition of Infrastructure 41.5% Eff.	Contingency, Mobilization, Future Forces 10% Eff.	Cost of Ops/Manpower 2.5% Eff.
177 FW Atlantic City	50.22	53.44	50.22	37.74	41.33
147 FW Ellington AGS	45.39	37.87	50.14	56.27	61.20
144 FW Fresno Air Terminal AGS	43.09	46.13	47.02	11.93	46.99
158 FW Burlington	40.79	41.33	42.88	25.52	57.07
140 FW Fort Wayne IAP AGS	34.49	32.75	37.92	16.99	79.17
148 FW Duluth IAP AGS	32.55	23.88	40.48	31.03	66.75

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Military Value (MV) F-16C Block 25 Fighter Wings (ANG)

F-16 Wing Block 25	MCI	DoD Recommendation
177 FW Atlantic City	50.22	Retire Block 25, Gain F-15s
147 FW Ellington AGS	45.39	Retire Block 25
144 FW Fresno Air Terminal AGS	43.09	Retire Block 25, Gain Block 32
158 FW Burlington	40.79	Gain 3 Block 25 (20)
140 FW Fort Wayne IAP AGS	34.49	Retire Block 25, Gain Block 30
148 FW Duluth IAP AGS	32.55	Retire Block 25

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ANG F-16 BRAC MCI RANKINGS

Wing	MCI	Current/Future Mission	Condition of Infrastructure	Contingency, Mobilization, Future Forces	Cost of Ops/Manpower	Change
Andrews	21	64.83	63.23	67.83	65.3	41.74 Gain 9
Lackland/Kelly	47	55.70	46.0	63.30	60.98	76.33 Gain 6
McChine	48	55.74	58.4	55.01	34.56	85.19 Gain 9
Richmond	49	55.34	66.1	52.13	13.36	75.18 Gain 22
Darnley Field (Montgomery)	60	50.66	56.99	48.57	21.36	65.51 Gain 3
Atlantic City	61	50.22	53.44	50.22	37.74	41.33 F-15s
Buckley	64	48.88	48.28	55.98	16.75	53.78 Gain 3
Tucson	67	49.54	50.59	51.5	30.82	72.7 No change
Salisbury	70	48.07	52.0	63.74	40.3	63.51 A-10s
Ellington	80	45.39	37.87	50.14	56.27	61.2 Lose all
Illinois	82	45.99	46.9	47.67	11.93	45.99 Gain 3
Hancock Field (Syracuse)	94	42.03	35.71	45.6	50.23	66.32 Non-BRAC
Burlington	102	40.79	41.33	42.88	25.52	57.07 Gain 3
Fort Smith	111	38.63	39.63	36.31	31.14	88.84 Lose all
Sioux Falls	112	38.59	30.04	46.00	36.91	77.52 Gain 3
Texas	114	35.41	29.53	41.83	2.1	81.03 Gain 1
Capital (Springfield, IL)	115	38.18	38.51	39.2	27.74	57.09 Lose all
Great Falls	117	37.85	31.45	44.04	35.35	62.23 Lose all
Hulman (Terro Haute)	119	37.45	35.53	40.99	15.84	82.24 Lose all
Travis Field	122	37.22	32.04	45.99	18.5	81.55 Gain 3
Osco	123	35.85	32.71	38.44	40.25	72.5 Gain 3
Hector (Fargo)	125	36.11	30.93	42.89	22.75	72.4 Lose all
Springfield-Brockley (OH)	128	35.37	35.33	35.31	26.8	71.74 Lose all
Fort Wayne	130	34.49	32.75	37.92	16.99	79.17 No change
Duluth	136	32.55	23.88	40.48	31.03	66.75 Lose all
Des Moines	137	32.55	23.88	40.48	31.03	66.75 Lose all

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ANG F-16 BRAC MCI RANKINGS

8 UNITS WITH A LOWER MCI RATING THAN ELLINGTON ARE GAINING AIRCRAFT...???

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Military Value/Judgment Assessment

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AF Military Value – Shortsighted*

“Based on PLATFORM rather than INSTALLATION MISSION or FUNCTION”

- White Paper – Mentioned as Concerns or Criticisms of the Process
 - 11 March 2005; 14 March 2005; 18 April 2005
- Red Team Talking Paper to Interagency Executive Council (IEC) 06 April 2005
 - *Concerns over Lack of Consistency Among DoD, Military Departments, and JCSG approaches*
- Chairman Principi Letter to SECDEF and Congress on 01 July 05
 - *Requiring More Detailed Explanation on ANG Process for BRAC*

Military Value Not Used!

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27th Fighter Wing




AF Military Value – Shortsighted

- Ellington Field identified as a “STRATEGIC LOCATION FOR HOMELAND DEFENSE”*
 - *No other F-16C Block 25 location mentioned*
- Four of six F-16C Block 25 locations to receive newer Fighter Aircraft (3 have lower MCI than Ellington Field)
- Only F-16C Block 25 locations discussed in 40 BCEG meetings between 4 January – 07 May 2005
 - *147 FW and 148 FW – “Losers”*
- Total Squadron Capacity is 1
 - *Actual Capacity is 2*

* (BCEG Quad Chart, 29 Mar 05)

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Military Judgment - Shortsighted

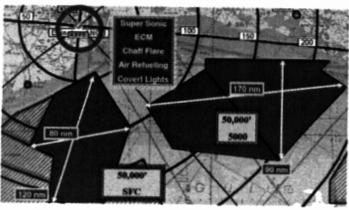
Individual Questions	Max Points	Earned Points
Proximity of Airspace Supporting Mission	22.08	4.26
Proximity to Low Level Routes Supporting Mission	7.25	0.96
Range Complex Support Mission	11.95	6.93
Access to Adequate Supersonic Airspace	6.72	3.36
Suitable Auxiliary Airfields Within 50 NM	5.18	2.59
Ramp Area and Serviceability	2.97	0.74

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27th Fighter Wing




Off-shore Airspace – A National Asset *



Massive Over-water, Dissimilar Air Combat Training Areas

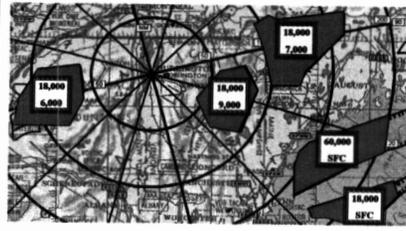
- Unlimited Surface-50,000 All-Altitude War
 - *Advanced Opposed PGM and A/A Combat Training*
 - *Long Range Tactics*
 - *Standoff Capability*
 - *Electronic Countermeasures*
- Large Force Employment
- Future Growth
 - *F-16 Block 40/50/60*
 - *F-35 JSF*
 - *F/A-22*

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27th Fighter Wing




Burlington F-16 Airspace



- Mostly overland
- No overland low fly area
- One good sized over-water working area

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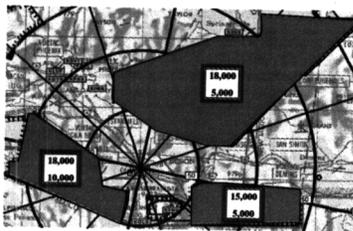
27th Fighter Wing
Airspace Comparison:
Ellington / Burlington



- Ellington
 - 146,000 CUBIC MILES
 - 21,600 SQ Miles
 - Cr1: 37.87
- Burlington
 - 53,500 CUBIC Miles
 - 13,300 SQ Miles
 - Cr1: 41.33
- 92,500 Cubic Mi Diff
 - **270% More**
- 8,300 Sq Mi Diff
 - **160% More**

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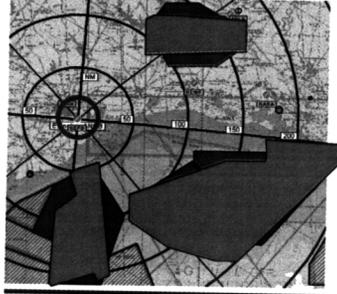
27th Fighter Wing
Tucson F-16 Airspace



- All overland
- Max ceiling: 18K
- Supersonic: NA
- Lights Out: N/A

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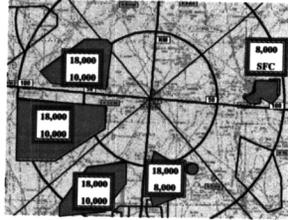
27th Fighter Wing
Airspace Comparison:
Ellington / Tucson



- Ellington
 - 146,000 CUBIC MILES
 - 21,600 SQ Miles
 - Cr1: 37.87
- Tucson
 - 62,468 CUBIC Miles
 - 21,600 SQ Miles
 - Cr1: 50.59
- 83,532 Cubic Mi Diff
 - **230 % More**
- No Significant Sq Mi Diff

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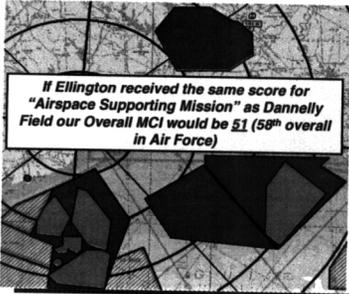
27th Fighter Wing
Dannelly Field AGS, AL Airspace



- All overland
- Max ceiling: 18K
- Supersonic: N/A
- Lights Out: N/A

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27th Fighter Wing
Airspace Comparison:
Ellington / Montgomery

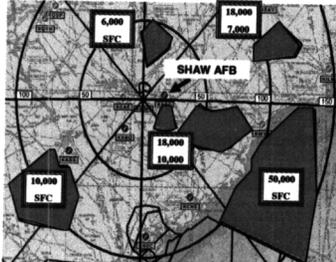


If Ellington received the same score for "Airspace Supporting Mission" as Dannelly Field our Overall MCI would be 51 (58th overall in Air Force)

- Ellington
 - 146,000 CUBIC MILES
 - 21,600 SQ Miles
 - Cr1: 37.87
- Dannelly
 - 12,200 CUBIC Miles
 - 6,000 SQ Miles
 - Cr1: 56.99
- 133,800 Cubic Mi Diff
 - **1200% More**
- 15,600 Sq Mi Diff
 - **360% More**

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McEntire F-16 Airspace



- Mostly overland
- One good sized over-water working area
- Same areas used for Shaw AFB

McEntire is 19 miles from Shaw AFB and shares same airspace...consolidation?

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27th Fighter Wing

Airspace Comparison: Ellington / McEntire

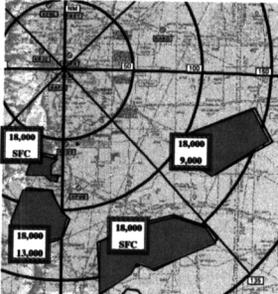


- Ellington
 - 146,000 CUBIC MILES
 - 21,600 SQ Miles
 - Cr1: 37.83
- McEntire
 - 60,000 CUBIC Miles
 - 7,400 SQ Miles
 - Cr1: 59.4
- 86,000 Cubic Mi Diff
 - **240% More**
- 14,200 Sq Mi Diff
 - **290% More**

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Buckley F-16 Airspace



- All Overland
- Supersonic: N/A
- Lights Out: N/A
- Not suitable for Future Mission Aircraft

**** "SFC-18K" at Buckley is ONLY 13,000 feet of available airspace due to elevation**

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27th Fighter Wing

Airspace Comparison: Ellington/Buckley



- Ellington
 - 146,000 CUBIC MILES
 - 21,600 SQ Miles
 - Cr1: 37.83
- Buckley
 - 14,820 CUBIC Miles
 - 6,440 SQ Miles
 - Cr1: 43.25
- 131,180 Cubic Mi Diff
 - **980% More**
- 151,160 Sq Mi Diff
 - **335% More**

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Des Moines F-16 Airspace

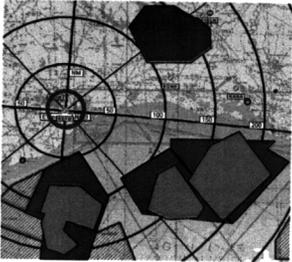


- Extremely Limited
- Supersonic: N/A
- Lights Out: N/A
- Not suitable for Future Mission Aircraft

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27th Fighter Wing

Airspace Comparison: Ellington/Des Moines

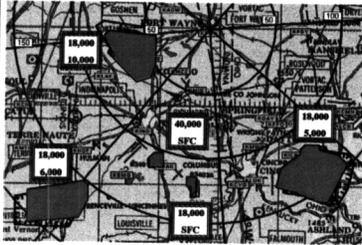


- Ellington
 - 146,000 CUBIC MILES
 - 21,600 SQ Miles
 - Cr1: 37.83
- Des Moines
 - 18,575 CUBIC Miles
 - 10,750 SQ Miles
 - Cr1: 28.67
- 127,425 Cubic Mi Diff
 - **786% More**
- 10,850 Sq Mi Diff
 - **200% More**

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Fort Wayne F-16 Airspace



- Supersonic: N/A
- Lights Out: N/A
- Not suitable for Future Mission Aircraft

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Airspace Comparison: Ellington/Fort Wayne

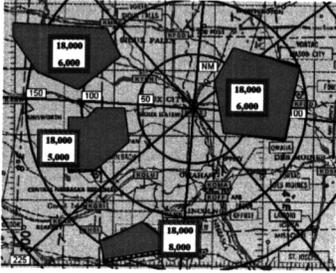


- Ellington
 - 146,000 CUBIC MILES
 - 21,600 SQ Miles
 - Cr1: 37.63
- Fort Wayne
 - 7,860 CUBIC Miles
 - 4,550 SQ Miles
 - Cr1: 32.75
- 138,140 Cubic Mi Diff
 - **1850% More**
- 17,050 Sq Mi Diff
 - **475% More**

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Sioux Falls F-16 Airspace

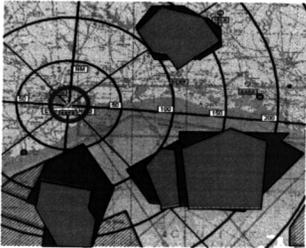


- Limited
- Supersonic: N/A
- Lights Out: N/A
- Not suitable for Future Mission Aircraft

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Airspace Comparison: Ellington/Sioux Falls

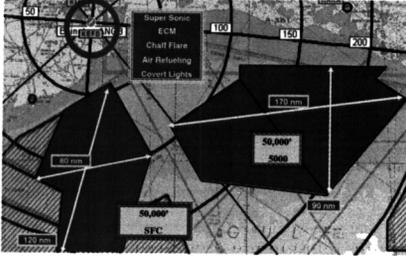


- Ellington
 - 146,000 CUBIC MILES
 - 21,600 SQ Miles
 - Cr1: 37.63
- Sioux Falls
 - 21,800 CUBIC Miles
 - 10,900 SQ Miles
 - Cr1: 30.04
- 124,200 Cubic Mi Diff
 - **669% More**
- 10,700 Sq Mi Diff
 - **198% More**

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Ellington has Outstanding Airspace—and lots of it!!



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Military Judgment Issues

- Proximity of Airspace Supporting Mission
 - Data and Equations are too complicated and convoluted to compute
 - DoD resistant to providing a full accounting of work used to arrive at scores
 - Unable to verify their results
 - Equations and data provided do not reconcile with answers
 - Comparison Analysis between other ANG sites is revealing
 - Geo-locational factors such as proximity to strategic National infrastructure and world-class airspace ideally suited for current AND future missions appear to have been marginalized

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Military Judgment Issues

- Proximity to Low Level Routes Supporting Mission

- Low Level Routes are Cold War Era Criteria... Not Flown since Desert Storm, yet 7.25% of Criteria 1
- Entire low-fly areas ignored (Warrior complex)

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Military Judgment Issues

- Range Complex Support Mission
 - Same equation as "Proximity of Airspace Supporting Mission"
 - Too complicated and convoluted to compute with equations and data provided
 - Unable to verify DoD results
 - 30% of score related Air-to-Ground Ranges

Equation skewed towards "Cold War Era" tactics and needs— not Current and Future Missions

- Contrary to rationale put forth by Gen Jumper to BRAC Commission regarding Shaw AFB over Cannon AFB

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Military Judgment Issues

- *Access to Adequate Supersonic Airspace (OSD Question 1203)
 - Only Credit For Single Airspace
 - Volume and Operating Hours are each worth 50% of total score
 - No Credit For Multiple Supersonic Ranges
 - W147A W147B W147C W59A W59B
 - USAF Made Calculation Error for Ellington
 - Awarded 50 points raw score / 3.36 points weighted score
 - USAF Spreadsheet 1276 contains qualifying airspace and attributes
 - Actual highest valued airspace is W59A/B/C
 - Raw score is 90 and weighted score is 6.05

With this Error Correction alone: Ellington Overall MCI Score improves to 48.08 (70 of 154)

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17th Fighter Wing

Military Judgment Issues

- Suitable Auxiliary Airfields Within 50 NM
 - Criteria Minimum is 8000 feet Long and 150 feet Wide
 - Credit For One Suitable Aux Field
 - Bush Intercontinental
 - No Credit for Hobby, Sugar Land, Hooks, and Brazoria County
 - Each has at least one 7000 foot runway
 - Minimum regulatory requirement for F-16 Alternate Airfield is 7000'

***Full credit yields MCI value of 50.67 (60 overall versus 80)**

* With "Access to Supersonic Airspace" Error Corrected

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17th Fighter Wing

Suitable Divert fields within 50nm

- George Bush IAP (IAH)
 - 8 runways > 7000'
 - 26 miles away
- Hobby IAP (HOU)
 - 4 runways > 7000'
 - Longest is 7752'
 - 8 miles away
- Hooks Field (DWH)
 - 1 x 7000' runway
 - 35 miles away
- Sugarland Airport (SGR)
 - 1 x 7000' runway
 - 26 miles away
- Brazoria County (LBX)
 - 1 x 7000' runway
 - 33 miles away

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Military Judgment Issues

- Ramp Area and Serviceability
 - Maximum Score Reached at 241,000 SY (2.2 M SF)
 - Credit For 147,000 SY = 25% of Total Score in this category
 - Same Credit as Burlington With 75,000 SY
 - Same Credit as Des Moines With 65,000 SY
 - Did not account for 60,000 SF (\$4M) of recently completed new ramp space and aircraft sun shelters
 - * Did Not Include 242,000 SY Available From City
 - No cost for land Ellington AGS occupies
 - Federal license keeping the city from owning the property in 1978 in perpetuity

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17th Fighter Wing

Ramp Space – Optimum Utilization

Aircraft Type	Dimensions	Number of parking rows	Aircraft per row (90/45offset)	Total on Ramp (with 4 alert)
F-16/F-35	34.8' x 50.5'	Three (3)	18/16	56/52
F-15/F-22	44.5' x 63.8'	Three (3)	16/14	52/46

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17th Fighter Wing

Ramp Space – Maximum Utilization

Aircraft Type	Dimensions	Number of parking rows	Aircraft per row (90 offset)	Total on Ramp
F-16	32.8' x 47.6'	Four (4)	27	108
F-15	42.8' x 63.8'	Four (4)	22	88
F-22	44.5' x 62.1'	Four (4)	21	84
F-35	34.8' x 50.5'	Four (4)	26	104

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17th Fighter Wing

Jointness – Joint Operations

- Selection Criteria for 2005 Round of BRAC states that "Military Value shall include at a minimum:"
 - Section 2913(b)(4) The impact on Joint Warfighting, Training, and Readiness
- Appears Not To Have Been Considered:
 - Jointness – Ellington AFRC, USCG Air station
 - Joint Operations – Air Warrior II (CAS at Ft Polk)

No empirical data to substantiate Jointness in Military Value -- How did this impact Military Judgment???

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Jointness – Joint Operations

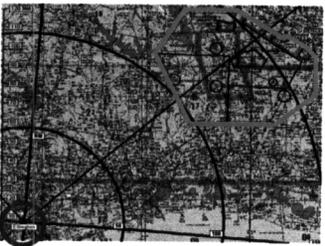
- * Jointness – Ellington AFRC (JRB)
 - Senator Hutchison and Congressman DeLay Exchange Property Initiative at Old Spanish Trail
 - 2300+ Reservists to Transfer (Army, Navy, USMC)
 - \$45 M MILCON in FY 07-09 – Add on in March 05
 - 42 Acres adjoining South Boundary of ANG
 - Three Phase Project – Ph1 (Entry Control Facility, Fencing, Utilities) starts October 06
 - Joint Use Security, Dining, Medical, Fire Protection

Already a joint operation and getting more joint capability soon

Integrity - Service - Excellence * Ref Section 11

17th Fighter Wing

Joint Training – Warrior MOA

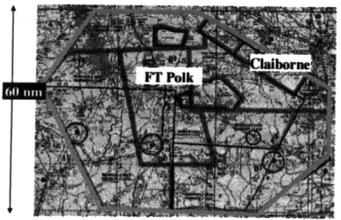


- Ft Polk
 - 21 ASOS
 - 2nd Armored CAV
 - 4th Brigade 10th Mountain Division
- Joint Readiness Training Center
 - OIF / OEF
 - Urban CAS / TST
- Air Warrior 2
 - Go-To Unit
 - Home station Saves \$\$
 - 424 Sorties in 2 years

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17th Fighter Wing

Joint Training



- Ft Polk Joint Readiness Training Center - urbanized
- Claiborne Range
 - Basic Surface Attack
 - Strafe
 - Night CAS
- Warrior MOA
 - Primary User
- Red Leg Impact Area
 - Live munitions, combat Laser

Lancer ATCAA 18,000-21000
Warrior MOA SFC-18,000

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17th Fighter Wing

Air Warrior II Support at Polk JRTC

- Air Warrior II 03-07
 - Feb 03: 7 days 4x4 CAS; 56 sorties total
 - 3/2 Stryker Brigade Combat Team (SBCT); Ft Lewis, WA
 - 5th Air Support Operations Squadron (ASOS); Ft Lewis, WA
- Air Warrior II 04-05
 - Mar 04: 4 days 3x3 CAS; 24 sorties total
 - 3/2 Stryker Brigade Combat Team (SBCT); Ft Lewis, WA
 - 5th Air Support Operations Squadron (ASOS); Ft Lewis, WA
 - 3/2 SBCT & 5th ASOS deployed to Iraq after exercise
- Air Warrior II 05-05
 - Mar 05: 6 days 2x2 CAS; 24 sorties total
 - 2/10th Mountain Division; Ft Drum, NY
 - 19th ASOS; Ft Campbell, KY

Grand Total: 104 sorties

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147th Fighter Wing

Air Warrior II Support at Polk JRTC

- Home station Support
 - 21st ASOS, Ft Polk, LA: 344 sorties
 - 3/2 Stryker Brigade Combat Team (SBCT) and 5th Air Support Operations Squadron (ASOS), Ft Lewis, WA: 80 sorties (at Ft Polk, LA)
 - 9th/11th/712th ASOS, Ft Hood, TX: 8 sorties
 - 8th Tank Battalion, Ft Hood, TX: 20 sorties
 - III Corps Artillery, Ft Sill, OK: 4 sorties
 - 19th ASOS, Ft Hood, TX: 20 sorties
 - 21st CAV, Ft Hood, TX: 4 sorties
- Deployed Support
 - 25th ASOS, Ft Shafter, HI: 60 sorties
 - 11 RS (Predator RTU), Indian Springs, NV: 54 sorties
 - Stryker Brigade Combat Team (SBCT), Nellis AFB, NV: 40 sorties
- Bottom-line: 634 sorties flown/scheduled Jan 03 - Apr 05:
 - 480 from home station (424 at Polk JRTC) and 154 deployed

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147th Fighter Wing

Joint Training - Economic Impact

- 13 Air Warrior II's conducted at Polk JRTC each FY
 - \$100,000 to deploy a fighter unit to Barksdale AFB, LA for 2 weeks to support
 - Approx 4000 Army troops receive training each exercise
 - ACC funds 7 of the 13 AWII's

147th has the only AEF tasked F-16's in the vicinity - routinely participate in at least one AWII each FY from home station (SAVINGS: \$100,000 min per FY)

Capability to support two per year easily done

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147th Fighter Wing

Joint Training - Bottom Line

"Bottom line is if it weren't for the local Louisiana/Texas units, 6 exercises a year (24,000 US Army personnel) would never see an airplane in their last mission rehearsal."

548th CTS/DO

Integrity - Service - Excellence * Ref Section 12

147th Fighter Wing

Overall Cost Savings - Questionable*

- Cost calculations flaws and omissions
- Air Warrior savings to Air Force - not considered
- Extra cost of operating "remote" ASA site - not considered
- Burden shifted to other government agencies at Ellington - not considered

Integrity - Service - Excellence * Ref Section 13

147th Fighter Wing

Cost - Benefit Analysis*

WHAT CHANGED BETWEEN 29 MARCH AND 29 APRIL?

COBRA Data	Reported Thru 29 March 2005	Reported 29 April (Final)
One Time Costs (GSU Relocation)	\$1.0 M	\$1.6 M
Net Implementation Costs	\$1.0 M	<\$0.1 M>
Annual Recurring Savings	\$0.1 M	\$0.4 M
Payback Period	23 Yrs / 2029	5 yrs / 2012
NPV Savings	<\$0.2 M>	\$3.6 M

Candidate Recommendations that have payback periods greater than 20 years could be considered substantially deviating from the final selection criteria in that COBRA model only evaluates up to 20 years Red Team Talking Paper to IEC, Apr 05 (Ref Section 8)

Integrity - Service - Excellence * Ref Section 8

147th Fighter Wing

Cost - Benefit Analysis

True Loss of Manpower Very Misleading and Inaccurate

- Reported: 0 Military and 3 Full Time
- Actual: 380 Military and 176 Full Time

Full Time Current	Officers	Enlisted	Civilians
	35	178	243
Non-BRAC Actions*	27	173	84
BRAC (Reported 13 May)	27	173	81

"Programmatic losses from the retirement of F-16C aircraft" - misleading as to cost and impact

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27th Fighter Wing

Cost Savings Questionable

- Payback as Reported
 - One Time Costs **\$1.6 M**
 - Net Implementation Savings **\$0.1 M**
 - Annual Recurring Savings **\$0.4 M**
 - Payback period **5 yrs/2012**
 - NPV Savings (20 yrs) **\$3.6 M**
- All Personnel Reductions and Costs associated with the "realignment" are accounted for as PRE-BRAC

Next...

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Cost Savings Questionable

Per the COBRA Report:

"Values for Personnel and Base Operating Support include the Programmed Installation Population (non-BRAC) changes, so that only changes attributable to the BRAC action are reflected in the change columns."

COBRA was NOT used as a comparative decisional aid – base closures/realignments decided in advance of data calls

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Cost Savings Questionable

- 172 Full Time Positions are associated with the Aviation Package of F16C Aircraft
- 3 Full Time Positions are associated with the GSU at La Porte
- 172 +3 = 175 Net Loss of Positions (full-time)
- Only 3 of these positions are accounted for in the "final payback" model

Here's what's missing.....

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Cost Savings Questionable

- Outcome #1 (\$7.275 M)
 - RIF Costs for 172 Employees (\$42.3K/ea)
- Outcome #2 (Move HOU > SA)* (\$39.743 M)
 - Moving Costs for 172 Employees (\$12K/ea)
 - Salary Cost (Fully Loaded) for 3 years
 > (\$73K X 172 X 3)

** 149th does not receive additional F-16C Block 30s until 2010*

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Cost Savings Questionable

▪ Payback Comparison	Original	Adjusted
> One Time Costs	\$1.6 M	\$8.9 M/\$41.3 M
> Net Implementation Savings	\$0.1 M	\$0.1 M
> Annual Recurring Savings	\$0.4 M	\$0.4 M
> Payback period	5 yrs/2012	NEVER
> NPV Savings (20 yrs)	\$3.6 M	<\$3.27M/\$33.1M>

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Basic Alert – Annual Cost*

- Fighter Wing w/o Alert
 - \$26 million
- Fighter Wing w/Home-station Alert
 - \$27 million
- Alert Detachment
 - \$11.5 million
- Wing + Detachment
 - \$37.5 million

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17th Fighter Wing

Each 10-15 Year ANG Pilot

- Most experienced in AF
- Estimate \$10M in assets per pilot
 - Training (*4.5M per pilot)
 - Experience
 - Tactical Knowledge
 - Intangibles
 - > Leadership
 - > PME
 - > Community Linkages

WE WILL LOSE THIS EXPERIENCE POOL IF WE TRY MOVE THEM AND INCREASE OPSTEMPO FOR THOSE THAT REMAIN - THE COST THEN BECOMES EXORBITANT OVER TIME

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17th Fighter Wing

Homeland Defense

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So Many Targets.....

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.....So Few Fighters!

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Homeland Defense

- Air Defense Alert 24/7
 - Defenders of the Gulf since 1956
- *Point Defense of Houston
 - 4th Largest Population Center Approx 8 million
 - Petrochemicals #2 Worldwide; 50% Nationally

Houston has all 9 primary terrorist target sets

Represents a National Strategic Center of Gravity

- NASA National Treasure - billions to replace
- South Texas Nuclear Facility
- Texas Medical Center 5 million patients annually

Integrity - Service - Excellence *Ref Section 3

17th Fighter Wing

Homeland Defense - Job #1

- What's at Risk in the 4th Largest City in the U.S. with an ASA Detachment **ONLY**?
 - Coverage for more than a single threat
 - Response Time During National Emergency
 - Limited Maintenance Capability
 - Limited Munitions Availability/Storage in "Enclave" plan

"Everything"

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17th Fighter Wing

Recipe for Disaster

- Asymmetric Enemy using multi-axis attack
 - *JUST LIKE 911*
- Close Ship Channel
- Hit Multiple Petroleum and Chemical Plants
- Target First Responders – e.g. Medical Center
- Take out a National Symbol – NASA Space Center

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Recipe for Disaster

- Multi-Axis Attack – How?
 - **Combination of seaborne, ground and air threats**
 - Tanker/Container ship takes out causeway/scuttles at chokepoint in ship channel
 - Foreign Cargo plane(s) on legitimate flight plan to Hobby targets one of numerous petro/chemical plants
 - Truck bombs target Medical Center/NASA

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Recipe for Disaster

- Multi-Axis Attack – Defense Issues
 - **Combination of seaborne, ground and air assets required**
 - **Terrorist surveillance cues attacks**
 - Naval Support would be coincidental
 - Coast Guard assets too dispersed and lightly armed
 - High probability that limited Air Defense resources will be overwhelmed with too many targets with excessive response times due to long logistic tail
 - **Pre-attack intelligence likely to be late in coming**
 - **Coordination between LEA/DHS and military limited by lack of dedicated presence**

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Recipe for Disaster

- Multi-Axis Attack – Risk Mitigation
 - **Combination of seaborne, ground and air assets required**
 - **Reduce coordination problems with military that has a full complement of assets and personnel to conduct interface and training**
 - **Improve Intelligence Sharing with large Intel staff in a full wing – Enclave does NOT have Intel assets assigned**
 - **Rapid plus-up for military is a couple hours with a wing here**
 - **Retention of a full wing keeps a munitions storage and build-up capability that will be needed to mitigate long logistical tail for detached alert**

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17th Fighter Wing

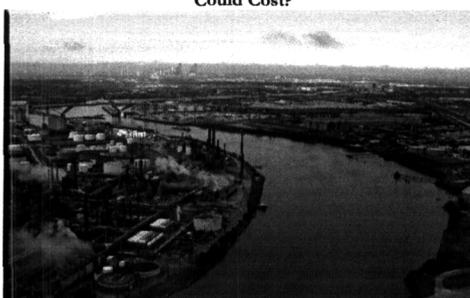
Summary

- FYDP programmatic issues vs. BRAC – platform based decisions and NOT *Mission, Function, or Installation related*
- Military Value/Judgment – *accuracy and logic is an issue*
 - *Correction of errors lead to a significant improvement in score*
 - *Jointness – can find no metric that indicates it was even part of the "military value" process*
 - *Cost Savings – Huge items like personnel moves, retraining costs, loss of experience base in MX and Ops, increased detached operations for Alert, support of Joint Operations/Exercises for AWII NOT accounted for in DoD calculations*
 - *Homeland Defense/Strategic and National Economic factors*
- Significant *Military Risk* associated with losing fighter presence in port/petro-chemical HUBS due to time-lag to plus-up and deterrent factor associated with a visible military capability in Houston

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17th Fighter Wing

How Much Do You Think a Gallon of Gasoline Could Cost?



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 **27th Signal Wing** 

Questions?

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 **27th Signal Wing** 

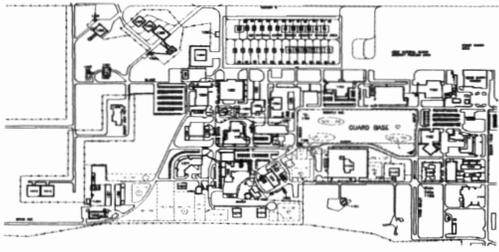
Land and Facilities

- Ellington Field ANGB
 - **Military Occupied – 190 Acres**
 - **Land Available for Construction – 17 Acres**
(See Drawing on Next Slide)
- Ellington Field ANGB Facilities
 - **Total Facility Square Footage – 448,000 (includes 80K sq feet of new MILCON NOT in BRAC data calls)**
 - **Available Facility Square Footage – 23,000**
(USCG and FAA land within compound NOT included)

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 **27th Signal Wing** 

Land Available for Construction



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