

BRAC
Base Visit Book



Moody Air Force Base
Initial Pilot Training
Realignment Recommendation

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JUNE 2005

**Moody Air Force Base, GA
COMMISSION BASE VISIT
June 27 - 29, 2005**

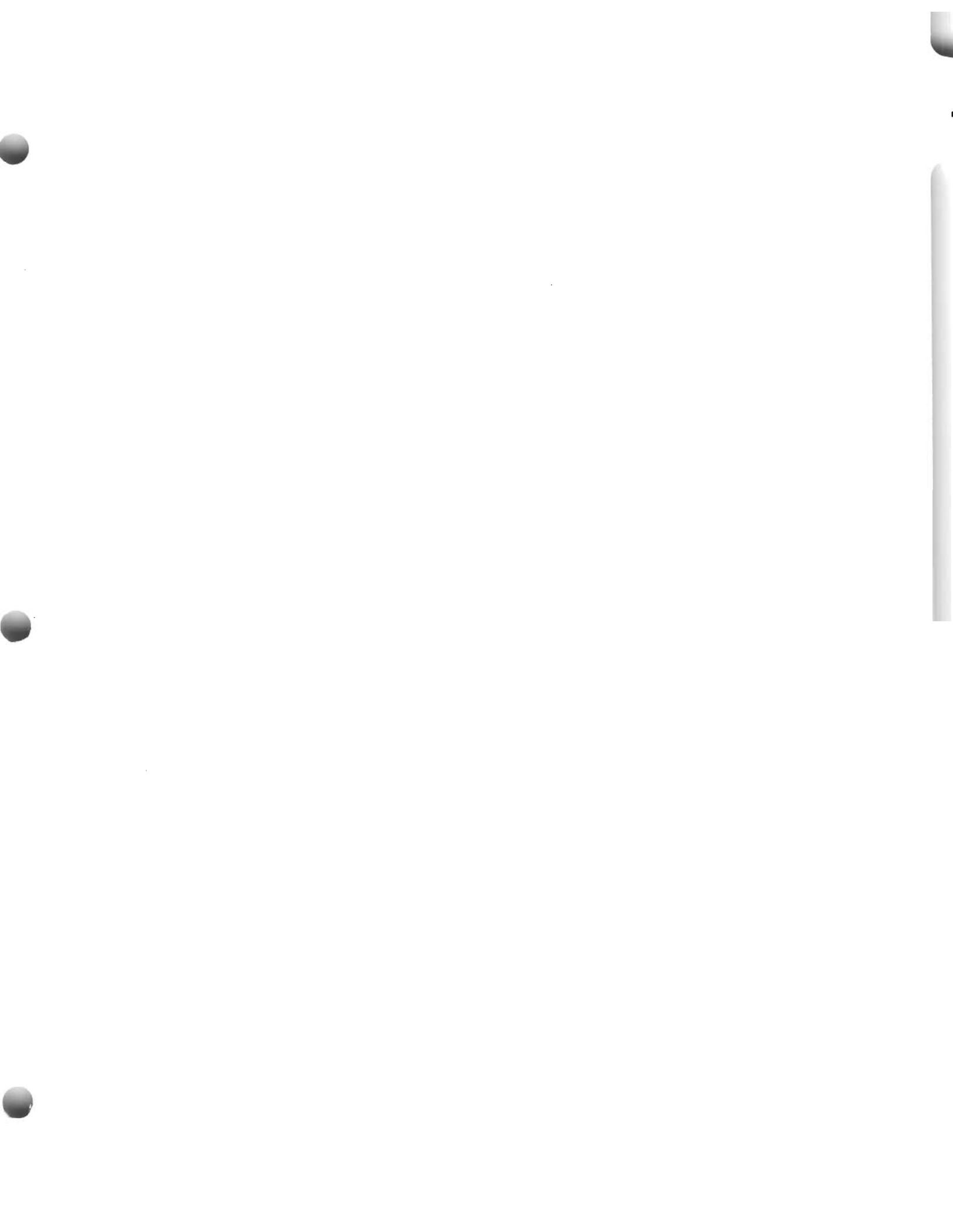
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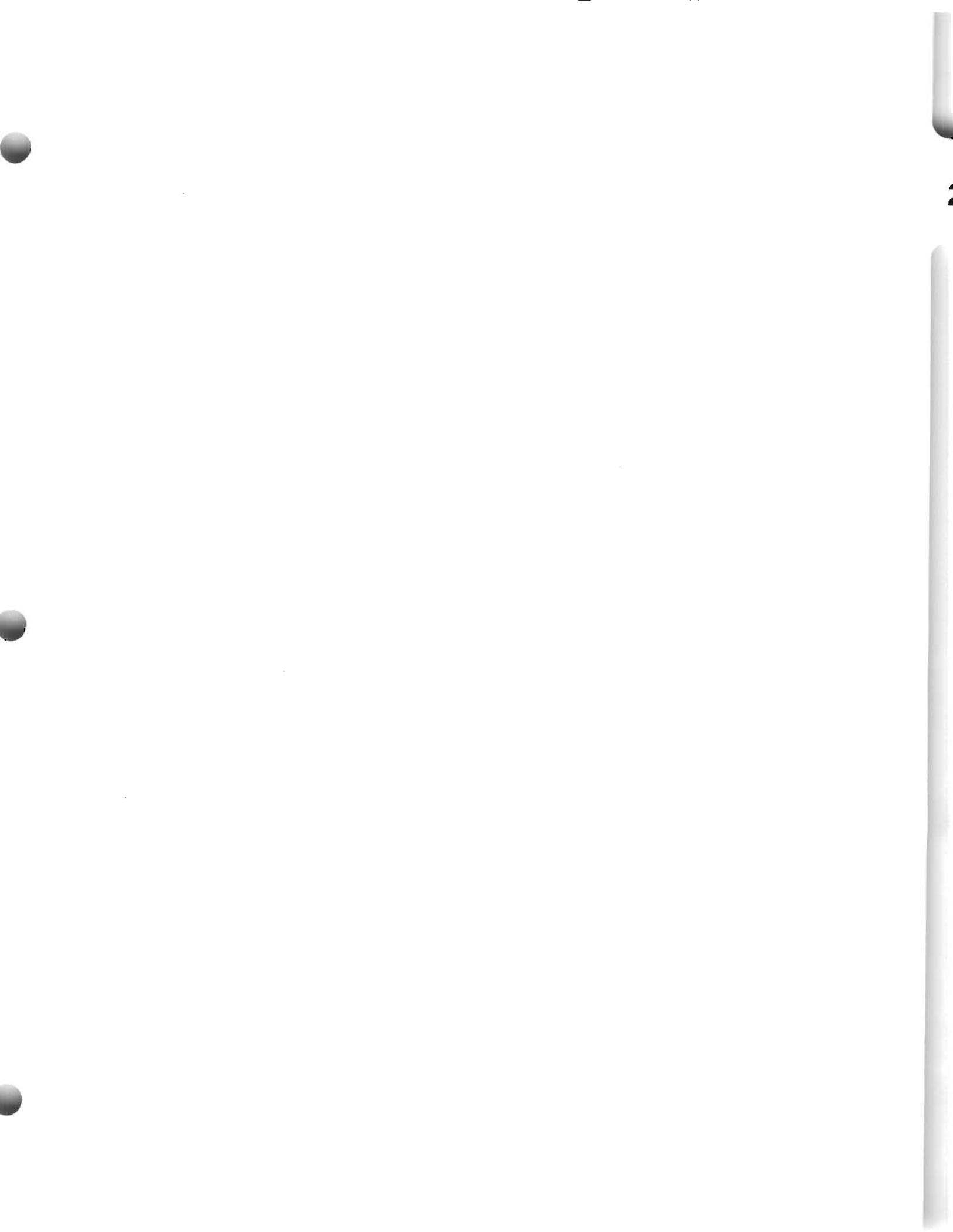
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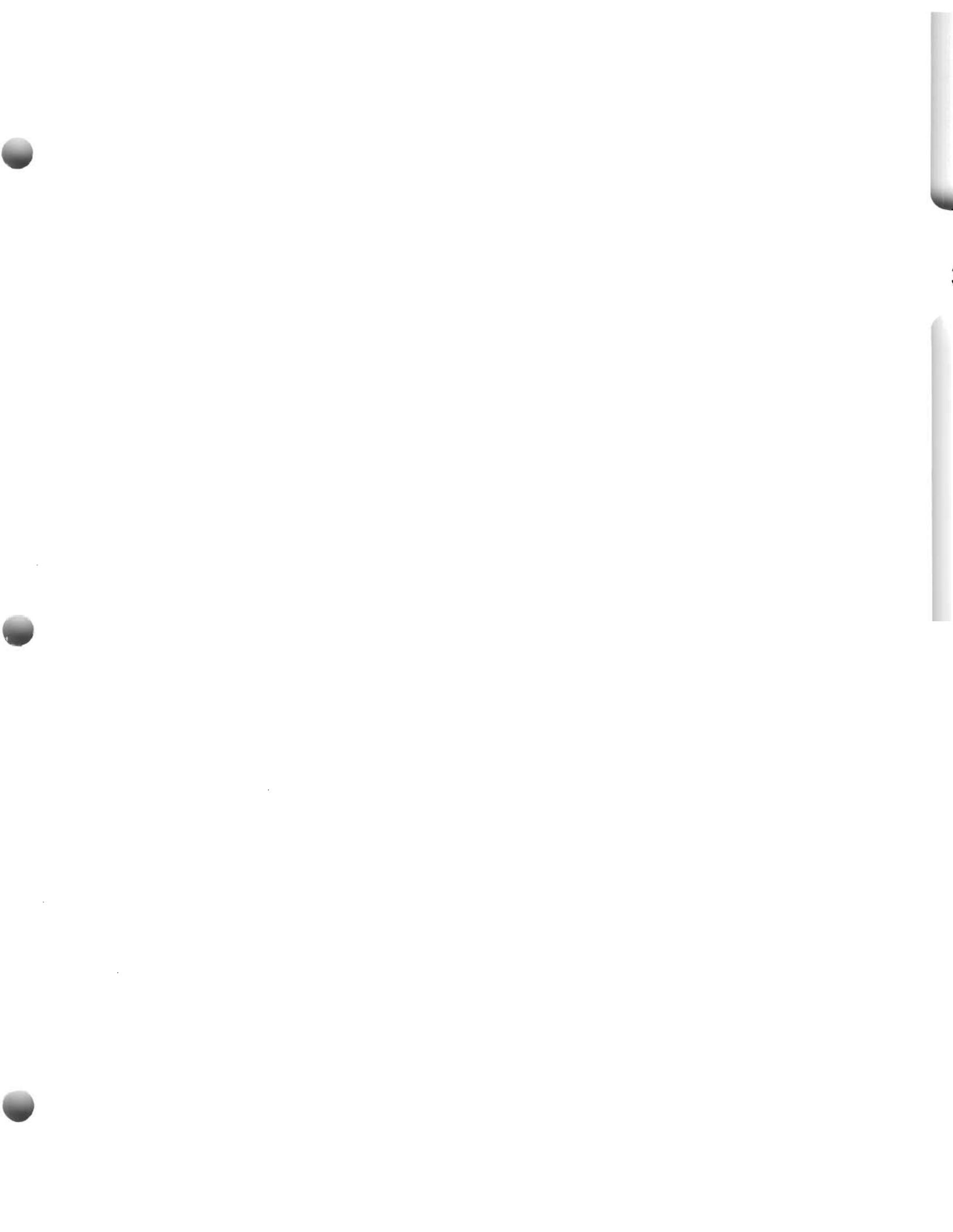
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Undergraduate Pilot and Navigator Training

Recommendation:

Realign Moody Air Force Base, GA, as follows:

relocate the Primary Phase of Fixed-wing Pilot Training to Columbus Air Force Base, MS, Laughlin Air Force Base, TX, and Vance Air Force Base, OK;

relocate Introduction to Fighter Fundamentals Training for Pilots to Columbus Air Force Base, MS, Laughlin Air Force Base, TX, Randolph Air Force Base, TX, Sheppard Air Force Base, TX, and Vance Air Force Base, OK;

relocate Introduction to Fighter Fundamentals Training for Weapons Systems Officers to Columbus Air Force Base, MS, Laughlin Air Force Base, TX, Sheppard Air Force Base, TX, and Vance Air Force Base, OK; and

relocate Introduction to Fighter Fundamentals Training for Instructor Pilots to Randolph Air Force Base, TX.

Realign Randolph Air Force Base, TX, by relocating Undergraduate Navigator Training to Naval Air Station, Pensacola, FL.

Justification: This recommendation will realign and consolidate USAF's primary phase of undergraduate flight training functions to reduce excess/unused basing capacity to eliminate redundancy, enhance jointness for UNT/Naval Flight Officer (NFO) training, reduce excess capacity, and improve military value. The basing arrangement that flows from this recommendation will allow the Inter-service Training Review Organization (ITRO) process to establish a DoD baseline program in UNT/NFO with curricula that permit services latitude to preserve service-unique culture and a faculty and staff that brings a "Train as we fight; jointly" national perspective to the learning process.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$71.7M. The net of all costs and savings to the Department during the implementation period is a cost of \$1.6M. Annual recurring savings to the Department after implementation are \$18.3M with a payback expected in four years. The net present value of the costs and savings to the Department over 20 years is a savings of \$174.2M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of:

1,079 jobs (571 direct jobs and 508 indirect jobs) over 2006-2011 in the **San Antonio, TX, Metropolitan Statistical Area**, which is 0.1 percent of economic area employment.

1,170 jobs (702 direct jobs and 468 indirect jobs) over 2006-2011 in the **Valdosta,**

GA, Metropolitan Statistical Area, which is 1.3 percent of economic area employment.

The aggregate economic impact of all recommended actions on these economic regions of influence was considered.

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 may require - significant air permit revisions for Columbus, Laughlin, Vance, and Sheppard Air Force Bases.

This recommendation may impact cultural, archeological, or historical resources at Columbus, Sheppard, and Laughlin Air Force Bases.

DoD will need to re-evaluate noise contours for Columbus, Laughlin, Vance, Sheppard, and Pensacola.

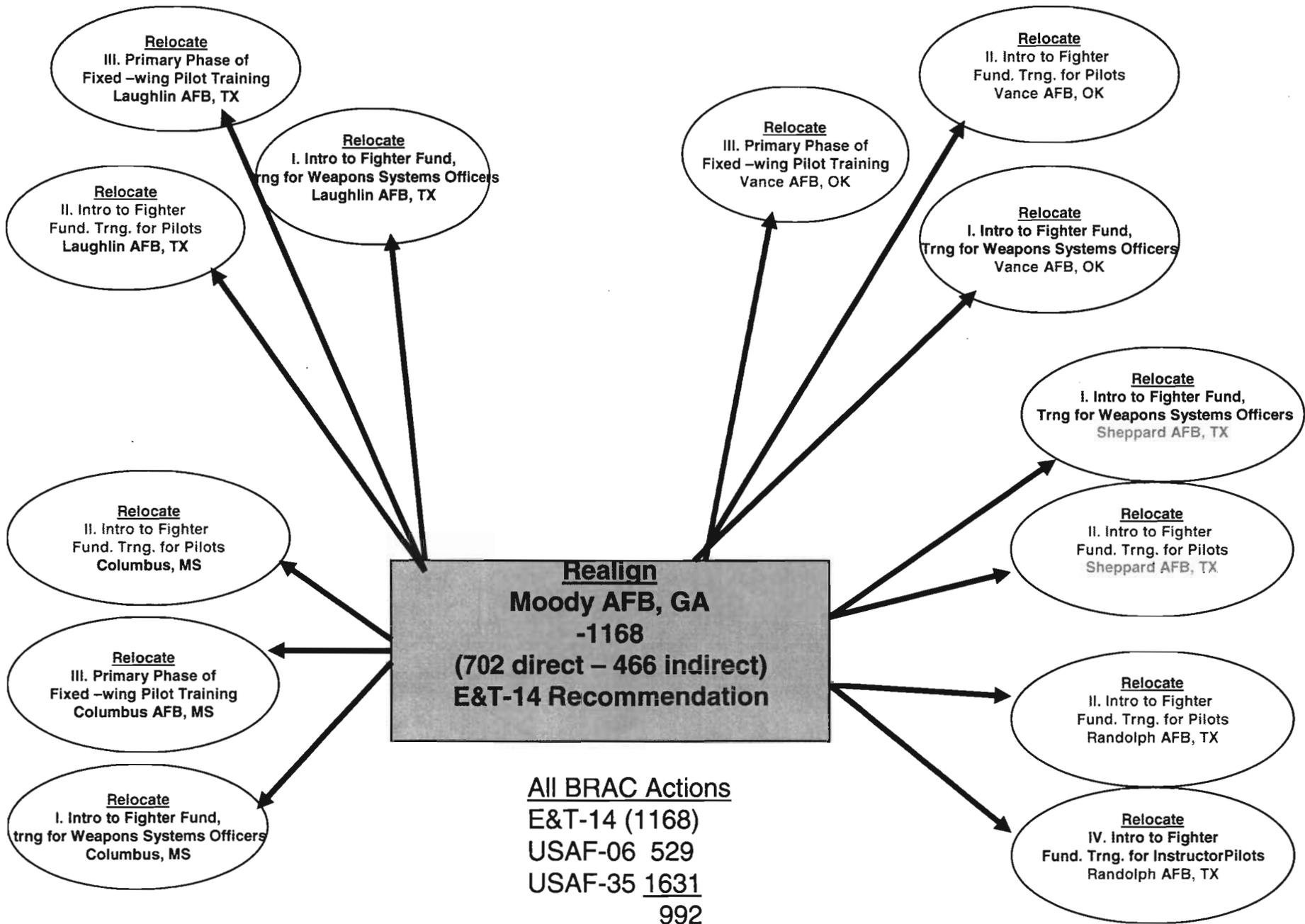
Additional operations at Sheppard may impact threatened and endangered species and/or critical habitat.

May need to modify the hazardous waste program for Columbus, Laughlin, Vance, and Sheppard Air Force Bases.

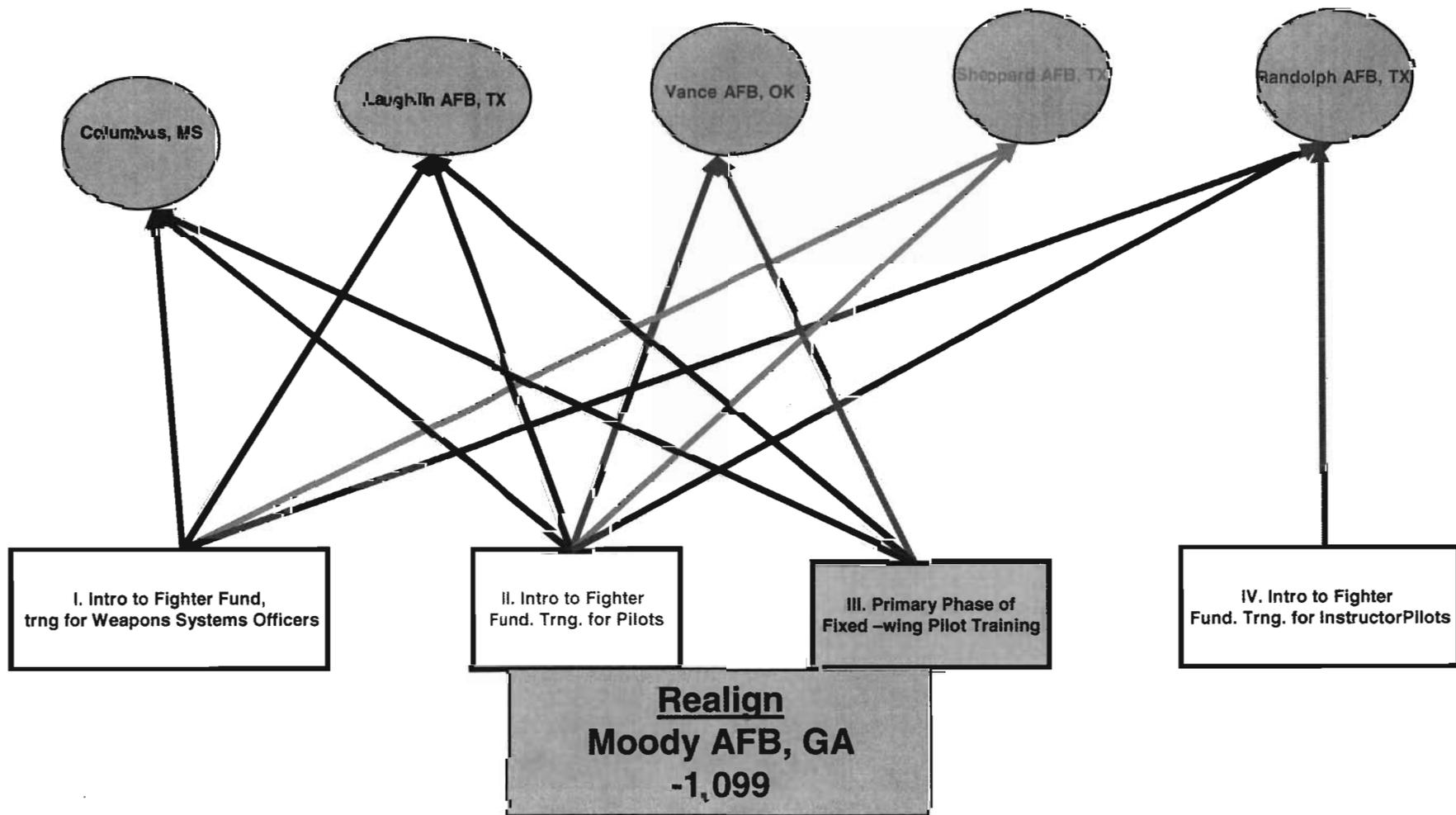
Additional operations at Columbus, Laughlin, Vance, and Sheppard Air Force Bases may impact wetlands, which may restrict operations.

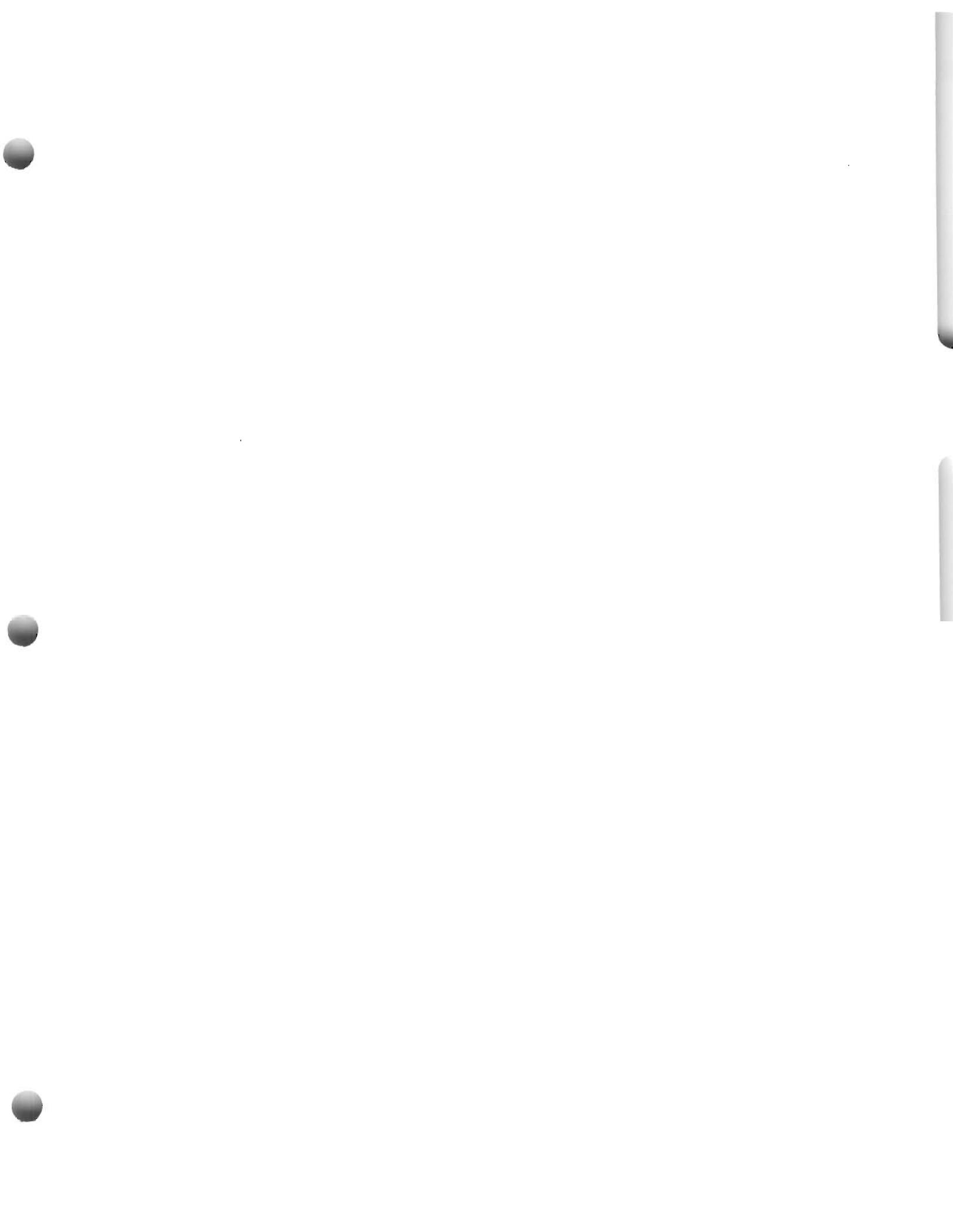
This recommendation has no impact on dredging; land use constraints or sensitive resource areas; marine mammals, resources, or sanctuaries; or water resources. This recommendation will require spending approximately \$2.3M for waste management and environmental compliance activities. This cost was included in the payback calculation. This recommendation does not otherwise impact the cost of environmental restoration, waste management, or 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.

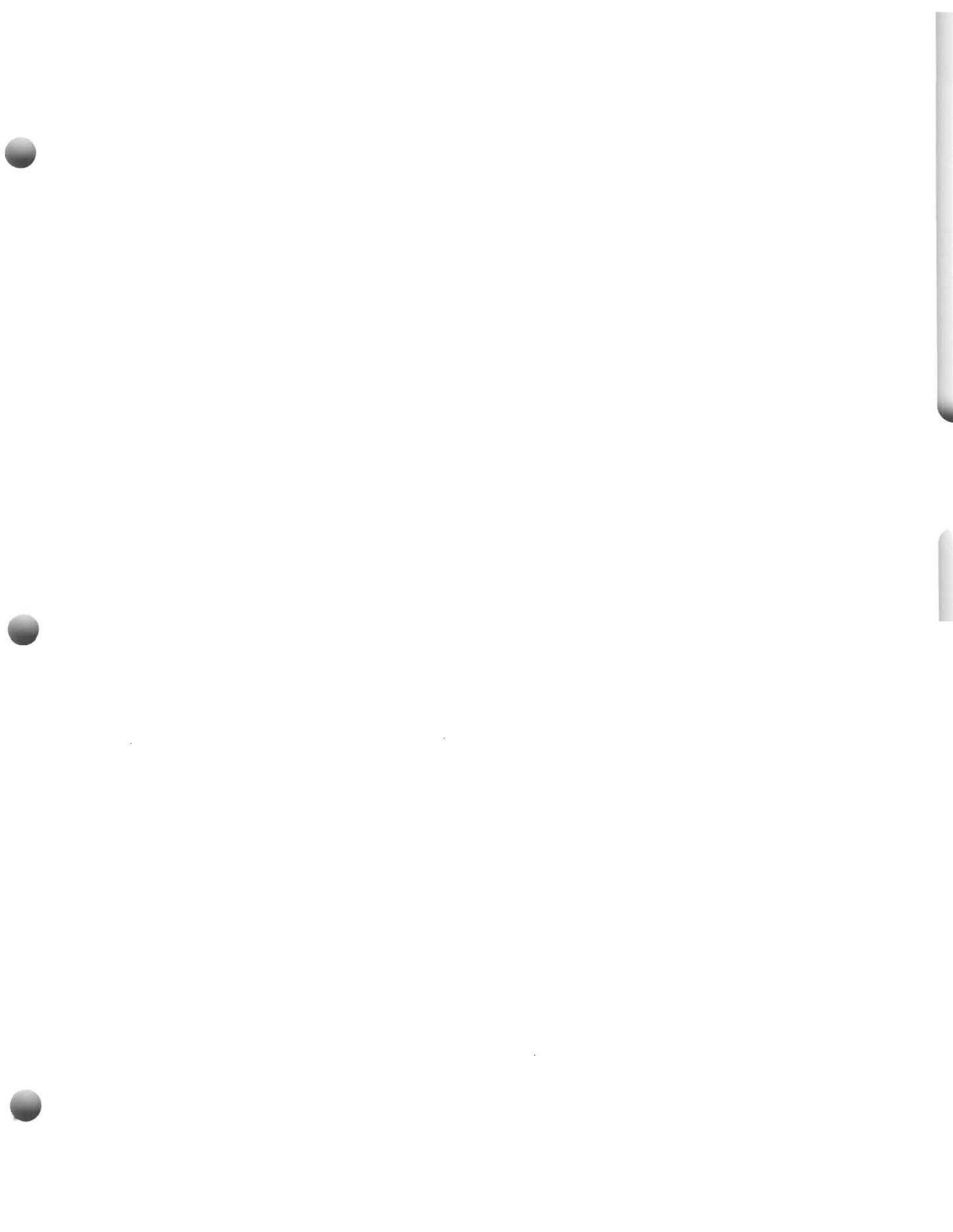




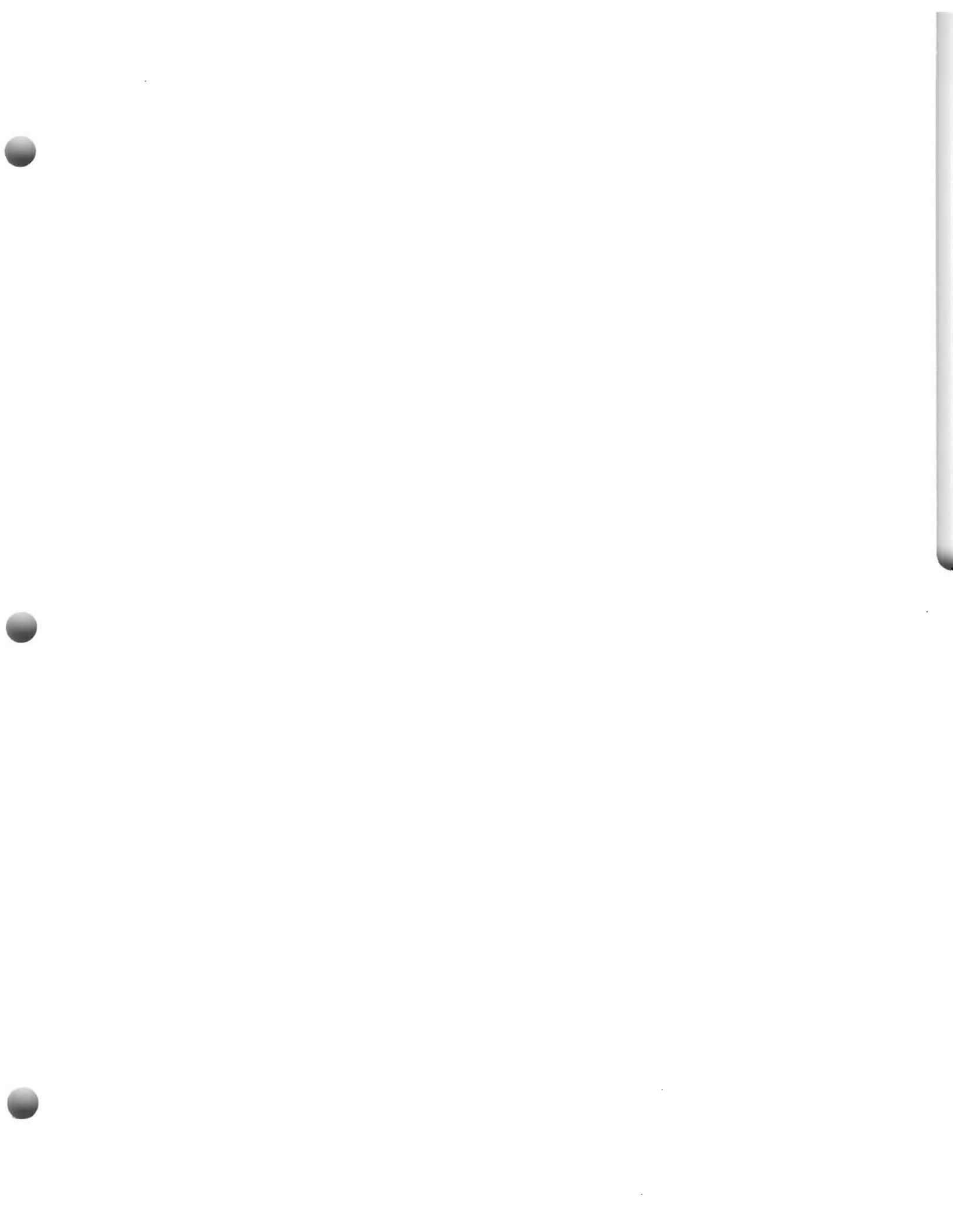
All BRAC Actions
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 USAF-06 529
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Education & Training Joint Cross-Service Group

EXECUTIVE SUMMARY

E&T JCSG Military Value Analysis Report

The Education & Training Joint Cross Service Group (E&T JCSG) was designated to evaluate Active and Reserve Component institutions, Special Operations Forces (SOF) schools, defense agencies' schools, and civilian institutions. Excluded from E&T JCSG analyses were healthcare (all categories) and intelligence (professional education category) which were designated for analyses by the Medical JCSG and Intelligence JCSG, respectively. Also excluded were categories/sub-categories of institutional education and training designated to be evaluated by the Services, e.g., recruit training, officer acquisition training, junior officer professional military education (PME), enlisted leadership programs, and Army One Station Unit Training.

The E&T JCSG was organized into four subgroups: Flight Training (FT), Professional Development Education (PDE), Specialized Skill Training (SST), and Ranges & Collective Training Capability. As described in initial and interim Military Value Analysis (MVA) Reports, Subgroups Military Value Analysis calculations focused on existing physical plants' capabilities to perform specific functions based upon DoD selection criteria, reference Federal Register published February 12, 2004. This final MVA Report highlights the results of each subgroup's review of the distinct functional areas (e.g. categories/sub-categories of institutional training) within the purview of the E&T JCSG.

Results of Military Value Analyses (as provided in each section of this report) reflect key E&T JCSG assumptions that helped guide each subgroup's approach to calculating and assigning final rank order scores (a.k.a. 1-n list) for those installations related to the specific sub-function examined. The guiding assumptions included:

1. The primary objective of military education and training is to provide operational forces with sufficient numbers of personnel who are educated and trained to assume duty responsibilities in both Active and Reserve military units. The extent to which DoD education and training establishments provide military members the knowledge and skills needed to perform operational/wartime missions is a cornerstone of readiness.
2. The E&T JCSG developed the following Guiding Principles which were inherent to each subgroup's approach to military value analysis of functions within their purview and to subsequent E&T JCSG deliberations:
 - Advance "Jointness" and Total Force Capability
 - Achieve synergy

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- Reduce Costs by increasing Effectiveness, Efficiency and Interoperability
 - Exploit Best Business Practices
 - Minimize Redundancy, Duplication and Excess Capacity
3. The E&T JCSG established a common set of Quality of Life metrics and questions in order to provide greater uniformity. Subgroups selected from the common set recognizing that some metrics were not applicable to their function and some metrics were given differing weights as appropriate to the different subgroups. For example, SST placed a greater weight on transient housing than other groups, while PDE was more concerned with adequacy of family housing. The reasoning behind the number of questions with relatively low weights per question is that no single factor would decide the Quality of Life metric; analyses were based on the aggregate score.
4. Military Value scores were calculated for specific locations that currently conduct functions within the purview of the E&T JCSG. Each E&T JCSG Military Value score only pertains to the function at the location, not the Military Value of the entire location except for the Ranges & Collective Training Capability Subgroup. Each subgroup's military value analysis followed E&T JCSG methodology and Military Value Scoring Plans as approved by the Infrastructure Steering Group (ISG). ~~E&T JCSG military value scoring plans were submitted to the ISG in a July 2004 report.~~ The approach was subsequently briefed to the ISG on September 30, 2004.
- a. The Flight Training (FT) Subgroup rank ordered installations by Military Value in five major sub-functions: Undergraduate Fixed-wing, Undergraduate Rotary-wing, Navigator/Naval Flight Officer (NFO)/Combat Systems Officer (CSO), Joint Strike Fighter, and Unmanned Aerial Vehicle using six attributes identified in the ISG-approved Military Value Scoring Plan (Airfield Capacity, Weather, Environment, Quality of Life, Managed Training Areas, and Ground Training Facilities). The FT subgroup received all of the required military value data, most of which was obtained through the OSD certified Capacity Analysis Database (CAD) and remaining data was received via "hard copy" along with the certification letter(s). Quality of Life was a significant factor in an installation's ranking within the Fixed-wing sub-function. Ground Training Facility scores became discriminators for Fixed-wing pilot and Nav/NFO/CSO sub-functions. Managed Training Areas scores were the largest driver of rankings for the installation best suited to host the JSF's Initial Joint Training Site.
 - b. The Professional Development Education (PDE) Subgroup's analysis included installation rankings for three sub-functions using the attributes in

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the Military Value Scoring Plans. The PDE subgroup received 100% of the required military value data. The majority of the data was obtained through the OSD-certified Capacity Analysis Database (CAD) and the remaining data was received via “hard copy” along with the appropriate certification letter(s) from the Service Deputy Assistant Secretaries (DAS) or appropriate Defense Agencies.

- c. The Specialized Skill Training (SST) Subgroup ranked 70 installations for each of its three sub-functions (Initial Skill Training, Skill Progression Training and Functional Training) using the six attributes identified in its Military Value Scoring Plan. SST’s Military Value Scoring Plan gave greater value for bigger/more facilities and higher student through-put. The majority of the data was obtained through the OSD certified Capacity Analysis Database (CAD) and the remaining data was received via “hard copy” along with the certification letter(s) from the Service Deputy Assistant Secretaries (DAS) or appropriate Defense Agencies. The SST subgroup exercised military judgment to proceed with scenario analysis that called for specific data by location.
- d. The Ranges and Collective Training Capability Subgroup (Ranges Subgroup) organized into two sub functions; training and test & evaluation (T&E). The Training sub-function used the attributes in their Military Value Scoring Plan to evaluate and rank order approximately 140 installations. In order to maintain a level of consistency across the Services, the Subgroup coordinated clarifications of fence-lines with DoN and selected one organizational name to represent each Navy range. The Military Value rankings for T&E sub-function used the five attributes in their Military Value Scoring Plan to evaluate and rank order 44 Open Air Ranges.



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FLIGHT TRAINING SUBGROUP MILITARY VALUE ANALYSIS

Section 1: Introduction

The Flight Training (FT) Military Value Analysis captured and compared data that revealed DoD installations' suitability to host Undergraduate or Graduate-level Flight Training sub-functions, e.g., Undergraduate Fixed-wing Pilot Training, Undergraduate Rotary-wing Pilot Training, Undergraduate Navigator/Naval Flight Officer/Combat Systems Officer Training, Graduate-level Joint Strike Fighter (JSF) Initial Joint Training, and Initial Unmanned Aerial Vehicle (UAV) Training. FT survey questions targeted DoD's 12 primary flight-training installations and all DoD-owned bases that could reasonably accept the JSF or UAV training missions. To create a meaningful measure of merit and final ranking, FT developed survey questions that captured specific information for each installation as it related to six global attributes relevant to each of the following sub-functions: Airfield Capacity, Weather, Environment, Quality of Life, Managed Training Areas and Ground Training Facilities. The final ranking provided a list of installations ranked most-to-least dear as they relate to the specific sub-function examined. The FT military value analysis followed the E&T JCSG methodology and Military Value Scoring Plans approved by the ISG.

Section 2: Military Value Score

The following charts provide the numerical score by sub-function and location within the purview of the E&T JCSG Flight Training Subgroup:

Education and Training JCSG							
Flight Training Subgroup							
<i>Undergraduate Fixed-wing Pilot</i>							
Installation	MilVal Score	Airfield	Weather	Environment	QoL	Managed Training	GT Facilities
NAS Pensacola, FL	68.40	17.29	10.63	8.94	7.26	13.98	10.29
Laughlin AFB, TX	65.37	19.23	8.83	9.08	5.39	12.61	10.23
Vance AFB, OK	63.23	18.79	6.67	10.07	5.13	12.22	10.34
NAS Meridian, MS	62.94	18.69	8.44	7.96	5.12	14.71	8.01
NAS Kingsville, TX	62.69	17.85	9.69	8.30	4.22	13.67	8.96
NAS Whiting Field, FL	62.28	16.09	8.00	8.02	5.73	16.93	7.51

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<i>Undergraduate Fixed-wing Pilot (continued)</i>							
Installation	MilVal Score	Airfield	Weather	Environment	QoL	Managed Training	GT Facilities
NAS Corpus Christi, TX	60.38	17.10	10.23	9.01	5.10	13.40	5.53
Columbus AFB, MS	60.22	17.98	7.28	9.00	3.95	10.78	11.23
Sheppard AFB, TX	59.73	18.51	8.47	8.03	5.15	9.24	10.33
Randolph AFB, TX	57.60	17.82	6.77	7.00	4.94	10.70	10.38
Moody AFB, GA	56.24	18.88	6.25	9.72	2.91	9.49	8.99

Education and Training JCSG							
Flight Training Subgroup							
<i>Undergraduate Rotary-wing Pilot</i>							
Installation	MilVal Score	Airfield	Weather	Environment	QoL	Managed Training	GT Facilities
Fort Rucker, AL	81.37	23.59	11.49	7.81	5.21	22.87	10.40
NAS Whiting Field, FL	67.50	16.92	9.84	6.72	5.53	20.39	8.10

Education and Training JCSG							
Flight Training Subgroup							
<i>Undergraduate Navigator/Naval Flight Officer/Combat Systems Officer</i>							
Installation	MilVal Score	Airfield	Weather	Environment	QoL	Managed Training	GT Facilities
NAS Pensacola, FL	73.07	14.37	9.15	10.36	7.26	18.03	13.90
Sheppard AFB, TX	70.92	15.61	6.85	9.47	5.15	18.46	15.38
Laughlin AFB, TX	70.04	16.21	7.26	10.16	5.39	15.55	15.47
Vance AFB, OK	68.00	14.81	5.36	11.13	5.13	16.09	15.47
NAS Kingsville, TX	65.10	14.62	8.79	9.62	4.22	15.77	12.08
NAS Corpus Christi, TX	64.90	13.75	9.24	10.09	5.10	19.28	7.44

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ii. Results for Undergraduate Flight Training: Rotary-Wing Pilots

	Runway Capacity (Annual runway operations)		Apron Space (Square yards)	
	Fort Rucker	NAS Whiting Field (RW)	Fort Rucker	NAS Whiting Field (RW)
Max Potential Capacity	21,261,250	3,767,009	1,827,741	430,365
Current Capacity	14,213,000	2,518,220	1,827,741	430,365
Current Usage	2,250,588	1,038,220	729,217	172,767
% Usage	16%	41%	40%	40%
Usage + Surge	2,700,706	1,245,864	875,060	207,320
% (Usage + Surge)	19%	49%	48%	48%
Excess Capacity	11,512,294	1,272,356	952,681	223,045
% Excess	81%	51%	52%	52%
	Classroom Capacity (Annual Student Hours)		Simulator Capacity (Annual Student Hours)	
Max Potential Capacity	7,358,400	4,064,640	1,581,180	135,780
Current Capacity	3,279,360	1,811,456	704,672	60,512
Current Usage	966,265	188,261	127,662	56,528
% Usage	29%	10%	18%	93%
Usage + Surge	1,159,518	225,913	153,195	67,833
% (Usage + Surge)	35%	12%	22%	112%
Excess Capacity	2,119,842	1,585,543	551,477	-7,321
% Excess	65%	88%	78%	-12%

iii. Results for Undergraduate Flight Training: Navigator/Naval Flight Officer Fixed-Wing

	Runway Capacity (Annual runway operations)		Ramp Capacity (Sq. yd. Usable Space)		Airspace Capacity (Sq. nm of SUA)	
	NAS Pensacola	Randolph AFB	NAS Pensacola	Randolph AFB	NAS Pensacola	Randolph AFB
Max Potential Capacity	396,464	712,544	330,910	597,912	6,630	4,925
Current Capacity	265,033	482,491	330,910	597,912	6,630	4,925
Current Usage	85,836	180,949	141,655	263,744	5,104	1,125
% Usage	32%	38%	43%	44%	77%	23%
Usage + Surge	103,003	217,138	169,986	316,493	6,125	1,350
% (Usage + Surge)	39%	45%	51%	53%	92%	27%
Excess Capacity	162,030	265,353	160,923	281,419	505	3,575
% Excess	61%	55%	49%	47%	8%	73%
	Classroom Capacity (Annual Student Hours)		Simulator Capacity (Annual Student Hours)			
Max Potential Capacity	3,587,220	4,822,380	113,880	65,700		
Current Capacity	1,598,688	2,149,152	50,752	29,280		
Current Usage	164,593	330,324	18,618	11,284		
% Usage	10%	15%	37%	39%		
Usage + Surge	197,512	396,389	22,342	13,540		
% (Usage + Surge)	12%	18%	44%	46%		
Excess Capacity	1,401,176	1,752,763	28,410	15,740		
% Excess	88%	82%	56%	54%		

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b. Graduate Flight Training, Pilot, Fixed Wing (JSF).

The FT Subgroup used Service-endorsed criteria derived from a base selection matrix developed by the Joint Program Office to guide the search for the location to nominate as the best place to host JSF Initial Joint Training unit(s). FT evaluated 3,318 airfields named in the DoD Airfield Suitability, and Requirements Report (965 of which lay within the Continental US). FT eliminated 3,287 airfields from consideration based on one or more of the following:

- 1) Airfield does not lay within the Continental United States
- 2) Airfield designated Civilian, Air National Guard, or Air Reserve use
- 3) Airfield elevation is higher than 3,000 feet mean sea level
- 4) Airfield main runway is less than 8,000 feet
- 5) No second runway or second runway is less than 8,000 feet
- 6) Airfield is greater than 550 nautical miles from the coastline
- 7) Traditional weather is less than 3,000/3 more than 200 days a year

The remaining 31 airfields meet basic infrastructure criteria to host the JSF training mission but, based on military judgment, the present mission at the following 20 bases make nomination to host the initial JSF Schoolhouse in the near term imprudent or infeasible.

Altus AFB	Strategic Airlift (C-17) Training Base
Andrews AFB	Proximity to DC as DV Airlift Mission
Brunswick NAS	Poor weather conditions
Cherry Point MCAS	Operational AV-8B, C-130, and EA-6B Base
China Lake NAWS	Test & Evaluation Center
Dover AFB	Strategic Airlift Hub
Lemoore NAS	Operational Fixed-/Rotary-wing Base
Luke AFB	Fighter (F-16) Training Center
McConnell AFB	Operational KC-135 Tanker Base
Miramar MCAS	Operational Fixed-/Rotary-wing Base
Nellis AFB	Operational Fighter/Exercise Base
Oceana NAS	Operational (F/A-18/F-14) Base
Patuxent River NAS	Test & Evaluation Center
Randolph AFB	Pilot Instructor Training Base
Scott AFB	Headquarters TRANSCOM/AMC
Sheppard AFB	Euro-NATO Joint Jet Pilot Training (Treaty Limited)
Tinker AFB	Major Depot, Operational AWACS/TACAMO Base
Travis AFB	Strategic Airlift Hub
Whidbey Island NAS	Operational Fixed-/Rotary-wing Base
Yuma MCAS	Joint Civil-use Airfield

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The first 11 installations listed below, represent the remaining candidates for the Joint Strike Fighter Initial Training Site and formed the universe for more detailed analysis. In addition, the Services requested that MCAS Cherry Point, MCAS Yuma, Sheppard AFB and Randolph AFB be included for a total of 15 as possible candidates.

MCAS Beaufort	NAS Meridian	Vance AFB	MCAS Yuma
Moody AFB	Eglin AFB	NAS Pensacola	Sheppard AFB
Shaw AFB	Laughlin AFB	Tyndall AFB	MCAS Cherry Point
NAS Kingsville	Columbus AFB	Randolph AFB	

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JOINT STRIKE FIGHTER (JSF) BASING DISCRIMINATORS FOR USAF/USN/USMC

CATEGORY	Desired	Min Required
AIRFIELD		
MOB Runway	> 2 Parallel 9,000' x 200'	Single/2 crossed 8,000' x 150'
MOB Elevation	< 1,000 MSL	> 1,000 but < 3,000 MSL
MOB to Carrier	< 600NM	
Acft Parking Apron	140 aircraft	140 but > 75 acft
Arm/De-arm Pads	12 each @ runway ends	Room to construct 24 pads
MOB STOVL Ops	3 Pads / Strip IAW BTC	
Aux Runway	8,000' x 150'	
	< 50NM from MOB	
Aux Fld Availability	24-hour operations	> 18-hour but < 24-hour ops
Aux Fld Elevation	< 1,000 MSL	>1,000 but < 3,000MSL
Aux Fld Config	FCLPs	
AIRSPACE/RANGE		
MOB and/or Aux Fld	SFO pattern at both	SFO pattern at MOB or Aux
Air Refuel Tracks	< 120 NM from MOB	> 120 but < 250NM
Low Level Routes	> 3 Routes	> 2 Routes
	Entry < 90NM from MOB	Entry < 90NM from MOB
	Available 24/5	Available < 24/5
MOA		
Dist from MOB	< 120 NM	> 120 to < 150 NM
AG Range Size	> 1,600 Sq/Mi (40x40)	> 250 but < 1600 Sq/Mi
AG Range Location	In/beside MOA	Not collocated with MOA
AG Range Alt	> 30K AGL	> 20K but < 30K AGL
AG Range Capacity	> 4 areas concurrent use	
AA Range Size	3,200 Sq/Mi (80x40)	> 1,800 but < 3,200 Sq/Miles
AA Range Alt	> 50K AGL	> 25K but < 50K AGL
AA Range Capacity	> 4 simultaneous use	
Range Capability	Live weapon & Scoring	Inert weapon no scoring
	Supersonic approved	
	Chaff/Flare/ACMI/TACTS	No Chaff/Flare/ACMI/TACTS
	Threat Emitters	Limited Threat Emitters
WEATHER		
Ceiling & Visibility	> 3,000 & 3 SM	> 3,000 & 3 SM
MOB	> 300 days/year	> 200 days/year
Aux Field	> 250 days/year	> 200 days/year
Range	> 250 days/year	> 200 days/year
ENVIRONMENTAL		
Pollutant Emissions	Attainment	Attainment w/Mitigation
Noise Emissions	≤ 65 DNL no residential development	Noise 66 to 75 DNL with residential development
TEMPO		
	Unimpeded	
CURRENT MISSION(S)		
	Compatible	Relocateable

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c. Initial Unmanned Aerial Vehicle Flight Training.

Unmanned Aerial Vehicle (UAV) BASING DISCRIMINATORS FOR USAF/USMC/USA

CATEGORY	Desired	Min Required	Level Desired
AIRFIELD			
MOB*	5,000 x 150 foot runway	3,000 x 150 feet	3,000 x 150 feet
AIRSPACE/RANGE			
MOB**	W/I 20 NM	W/I 21-50 NM	more than 50 NM
WEATHER			
Ceiling & Visibility	1,000 & 3 SM	1,000 & 3 SM	1,000 & 3 SM
MOB	> 244 days/year	> 200 days/year	200 days/year
Range	> 244 days/year	> 200 days/year	200 days/year
ENVIRONMENTAL			
Pollutant Emissions	Attainment	Non-attainment w/Mitigation	Non-attainment Mitigation
Noise Emissions	Noise \leq XX DNL no residential development	Noise 'XX' to 'YY' DNL with residential development	Noise 'YY' DNL with residential development
TEMPO			
	Unimpeded	Able to meet training/syllabus requirements w/alterations	able to meet training/ syllabus requirements
CURRENT MISSION(S)			
	Compatible	Relocateable	compatible/relocateable

* *RUNWAY CONSIDERATIONS.* UAV training may be best-accomplished using simulators that would preclude requirement for actual flights and therefore not require a runway/airspace.

** *This is in reference to air vehicles in excess of 300 lbs ramp weight.*

7. **Summary.** FT capacity analysis is designed to help Military Departments and OSD achieve three main objectives:

- 1) Discover feasible base realignment and closure alternatives for UFWT, URWT, NFO, and UNT programs,
- 2) Select a location for the initial (consolidated) JSF graduate-level flight training program, and
- 3) Select a location for a "Center of Excellence" to train government agents on Unmanned Aerial Vehicle (UAV) operations.

The FT Subgroup used Service-provided data to analyze 12 DoD bases that conduct UFT, URWT, NFO, and UNT as well as service-endorsed JSF and UAV graduate-

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level training program requirements to search for locations best suited to host those missions. FT identified and rationalized common practices to standardize data to attain an equitable measure of infrastructure and activities across Military Departments. The 5 “fixed quantity” categories in this analysis are: 1) Runway, 2) Airspace, 3) Ramp, 4) Classroom, and 5) Simulator capacity. It presumed Service-unique flight training programs would remain unchanged.

UFT, URT, NFO, and UNT bases have room to increase activities at certain locations. Undergraduate flight training pilot candidates fly most of their training missions during clear weather and during daylight hours, which may serve as a significant constraint to consolidate forces. Data reveals excess ramp space exists at 10 installations and constrained at two installations: Laughlin AFB, Texas, and Vance AFB, Oklahoma. Data also shows classrooms and simulators at certain locations have growth potential.

FT was tasked to nominate a candidate base to host the initial JSF Training program. FT evaluated airfields in the Continental United States against a Service-endorsed JSF Flight Training program requirements matrix. The matrix outlined fixed-facility criteria (field elevation, runway, aircraft parking apron, distance to available ranges, etc.) required for a base to perform the Joint Strike Fighter (JSF) training mission. Using Capacity data and the Service-endorsed criteria, FT found, with minor modifications, 11 installations are best suited to host the JSF training mission. In addition, the Services requested that MCAS Cherry Point, MCAS Yuma, Sheppard AFB, and Randolph AFB be added as candidates.

Since no two Services currently fly the same UAV platforms and training syllabus requirements are different, developing a methodology to compare installation capacities for UAV training was not feasible. The FT Subgroup used Military Value and a criteria matrix similar to the JSF requirements matrix to select the most suitable site for Joint UAV training. The results of UAV analysis are located in the Military Value report.

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the single most weighted factor in nominating a base for initial UAV training. DoD Installations conducting UAV training are:

Choctaw OLF, FL
Fort Huachuca, AZ
Indian Springs AFB, NV

4. Capacity Analysis Methodology.

- a. FT Subgroup capacity analysis measured runway, airspace, ramp space and ground-training facilities that support fixed and rotary wing flight training operations. It is based on existing/approved curriculum requirements, existing infrastructure, and FY 2004 obligated military construction funding. Metrics and analysis calculations were based on aircraft currently assigned to a particular base.

The two primary resources the E&T JCSG FT Subgroup measured are: 1) runway(s) and, 2) airspace capacity. FT Subgroup used the methodology described in FAA Advisory Circular 150.5060-5, "Airport Capacity and Delay Manual" as their basis to calculate runway capacity for fixed-wing aircraft. This methodology defines the number of runway operations users could conduct during daylight hours over the course of a year. The approach accounts for weather conditions, the number and configuration of runways (main and outlying fields), the mix of aircraft, and the ~~percentage of touch-and-go operations at home station and auxiliary fields.~~ FT Subgroup calculated airspace requirements based on training events in each flying training syllabus to determine, as a function of student throughput, the number and size of dedicated blocks of airspace required for each type of training event (e.g., contact, formation flying, etc.). This approach summed dedicated airspace required to perform all flying events and compared this area (sq. nm as "shadow on the ground") with the available Special Use Airspace controlled/scheduled by the installation. Due to the fact a single block of airspace may support many types of training events during a single day, there is no viable way to calculate a fixed Maximum Potential Capacity for airspace. Instead FT determined Maximum Capacity using a time component (11-hour window for each of the 244 student training days each year) and airspace requirement relationship for syllabus-driven and overhead training events. An increase in the number of flight hours (over 11 hours per day) or number of days dedicated to flight training (over 244 days per academic year) would decrease the number of blocks of airspace, and subsequently the amount of airspace required for a specific syllabus objective when measured for a set number of students. Given the notion that the combination of training events a given block of airspace could accommodate is infinite, the group was unable to distinguish an upper limiting factor to determine Maximum Potential Capacity. Prudent scheduling may well result in more training without a commensurate increase in special use airspace. That said, it is important to note the amount of airspace and its location relative to the main operating base are important considerations because safety demands most flying events take place during daylight hours. This combination of factors may limit the ability to

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“grow” UFT units at a location where there is abundant excess parking apron and runway capacity but limited airspace.

- b. Two secondary resources FT Subgroup measured are; 1) Ramp (Apron) Area and, 2) Ground Training Facilities. FT Subgroup defined Ramp Capacity in square yards of usable ramp space. Capacity calculations compared total area available with area required to accommodate the “footprint” (parked and taxi operations) for aircraft assigned to an installation. FT Subgroup divided Ground Training Facilities into two categories: 1) Classrooms and 2) Simulators. Capacity calculations were based on the number of facilities and their design capacity (maximum student population). This approach summed the requirements over all events for the planned student throughput requirement and compared this requirement with available resources.

5. Capacity Definitions. The FT Subgroup terms and definitions follow:

- a. **Maximum Potential Capacity** is a theoretical maximum (unconstrained/multiple shifts) operational dimension for an existing physical plants' capability to perform functions/sub-functions over a period of 365 days X 24 hours per day minus restrictions (weather and statutory/legislative restrictions) measured against existing runways/airspace/et cetera.
- b. **Current Capacity** is demonstrated based on the standardized/peacetime operations for existing physical plants' capability to perform functions/sub-functions (normalized for comparability between Services' installations). All measurements are in accordance with peacetime restrictions and constraints (e.g., environment/weather, encroachment, and legislation) based on 244 training days X 12 hours per day and existing runways/airspace/et cetera.
- c. **Current Usage** is derived from the certified MilDep & Def Agency responses (and subsequent updates) to BRAC data calls. Current usage may be “current capacity” as defined above and considers maintenance/equipment downtime, end strength (faculty, staff, and students), personnel resources/accounts (pay/overtime pay), duty hours (e.g., days/year, hours/day for budgetary constraints), training policy/requirements, et cetera.

*Note: **Future Usage** requirements (end strength driven education and training requirements, weapon system acquisition or modification driven education and training requirements, out year budgets, et cetera) will impact current usage.*
- d. **Surge Capacity** is an additional “capability hedge” to meet unanticipated increases within an existing physical plants' capability to perform functions/sub-functions. Surge capacity for Flight Training is defined as the current usage plus 20%.

*Note: **Surge Capacity**. No formal surge requirements for DoD flight training.*

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- e. **Excess Capacity** is an installation's current capacity minus current usage plus surge capacity. For example, current capacity (standardized/peacetime operations) minus current usage (certified Data Call #1 responses) may be greater than Current Capacity minus Surge Capacity (20% of current usage).

6. Capacity Analysis Results. The capacity analysis for E&T JCSG FT Subgroup yielded the following results:

- a. **Undergraduate Flight Training**

General: FT Subgroup worked with Service BRAC offices to collect certified data for Capacity Analysis. Tables in this Report are as follows: 1) Runway Capacity Analysis Table includes annual runway operations (current usage) and 20% surge based on FY03 data, 2) Airspace Capacity Analysis Table includes syllabus requirements per sortie, annual pilot training throughput requirements and the total square miles of owned/scheduled airspace, 3) Ramp (Apron) Analysis Table includes the total square yards of reported ramp space divided by the footprint of the aircraft (type/model/series) times the number of aircraft assigned, and 4) Ground Training Facility Analysis Table includes the total number of available seats for student throughput requirements for each syllabus.

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i. Results for Undergraduate Training: Fixed-Wing Pilot

	NAS Corpus Christi	NAS Kingsville	NAS Meridian	NAS Whiting Field (FW T-34)	NAS Whiting Field (FW T-6)	Columbus AFB	Laughlin AFB	Moody AFB	Sheppard AFB	Vance AFB
Runway Capacity (Annual Runway Operations)										
Max Potential Cap.	913,349	723,920	535,277	2,689,874	1,608,510	901,313	955,974	414,309	736,012	832,827
Current Capacity	614,092	483,935	357,829	1,798,162	1,075,278	602,521	639,062	276,963	521,687	556,739
Current Usage	362,176	171,004	249,380	328,302	328,302	408,256	398,325	142,604	383,816	382,755
% Usage	59%	35%	70%	18%	31%	68%	62%	51%	74%	69%
Usage + Surge	434,611	205,205	299,256	393,962	393,962	489,907	477,990	171,125	460,579	459,306
% (Usage + Surge)	71%	42%	84%	22%	37%	81%	75%	62%	88%	82%
Excess Capacity	179,480	278,731	58,573	1,404,200	681,316	112,614	161,072	105,838	61,108	97,433
% Excess	29%	58%	16%	78%	63%	19%	25%	38%	12%	18%
Airspace Capacity (Sq. nm of SUA)										
Max Potential Cap.	15,569	12,338	6,980	6,717	7,385	6,471	9,081	8,186	9,791	9,791
Current Capacity	15,569	12,338	6,980	6,717	7,385	6,471	9,081	8,186	9,791	9,791
Current Usage	4,740	3,025	2,650	5,250	3,800	3,800	2,250	4,880	3,600	3,600
% Usage	30%	25%	38%	78%	51%	59%	25%	60%	37%	37%
Usage + Surge	5,688	3,630	3,180	6,300	4,560	4,560	2,700	5,856	4,320	4,320
% (Usage + Surge)	37%	29%	46%	94%	62%	70%	30%	72%	44%	44%
Excess Capacity	9,881	8,708	3,800	417	2,825	1,911	6,381	2,330	5,471	5,471
% Excess	63%	71%	54%	6%	38%	30%	70%	28%	56%	56%
Ramp Capacity (Sq. yd. Usable Space)										
Max Potential Cap.	404,623	305,267	313,878	354,419	410,887	297,242	494,485	483,667	297,268	297,268
Current Capacity	404,623	305,267	313,878	354,419	410,887	297,242	494,485	483,667	297,268	297,268
Current Usage	289,714	150,841	186,438	166,386	272,128	301,867	192,387	300,877	287,229	287,229
% Usage	72%	49%	59%	47%	66%	102%	39%	62%	97%	97%
Usage + Surge	347,657	181,010	223,725	199,664	326,554	362,240	230,865	361,053	344,674	344,674
% (Usage + Surge)	86%	59%	71%	56%	79%	122%	47%	75%	116%	116%
Excess Capacity	56,966	124,257	90,153	154,755	84,333	-64,998	263,620	122,614	-47,400	-47,400
% Excess	14%	41%	29%	44%	21%	-22%	53%	25%	-16%	-16%
Classroom Capacity (Annual Student Hours)										
Max Potential Cap.	1,497,960	464,280	473,040	4,064,640	4,765,440	4,204,800	2,049,840	4,406,280	5,015,100	5,015,100
Current Capacity	667,584	206,912	210,816	1,811,456	2,123,776	1,873,920	913,536	1,963,712	2,235,040	2,235,040
Current Usage	142,057	24,783	39,350	188,261	870,875	864,882	294,653	566,447	813,793	813,793
% Usage	21%	12%	19%	10%	41%	46%	32%	29%	36%	36%
Usage + Surge	170,468	29,739	47,219	225,913	1,045,050	1,037,858	353,584	679,736	976,551	976,551
% (Usage + Surge)	26%	14%	22%	12%	49%	55%	39%	35%	44%	44%
Excess Capacity	497,116	177,173	163,597	1,585,543	1,078,726	836,062	559,952	1,283,976	1,258,489	1,258,489
% Excess	74%	86%	78%	88%	51%	45%	61%	65%	56%	56%
Simulator Capacity (Annual Student Hours)										
Max Potential Cap.	135,780	464,280	39,420	135,780	87,600	122,640	52,560	52,560	78,840	78,840
Current Capacity	60,512	206,912	17,568	60,512	39,040	54,656	23,424	23,424	35,136	35,136
Current Usage	27,085	12,010	18,593	56,528	26,812	27,151	17,430	15,669	24,874	24,874
% Usage	45%	6%	106%	93%	69%	50%	74%	67%	71%	71%
Usage + Surge	32,502	14,412	22,311	67,833	32,174	32,581	20,916	18,803	29,849	29,849
% (Usage + Surge)	54%	7%	127%	112%	82%	60%	89%	80%	85%	85%
Excess Capacity	28,010	192,500	-4,743	-7,321	6,866	22,075	2,508	4,621	5,287	5,287
% Excess	46%	93%	-27%	-12%	18%	40%	11%	20%	15%	15%

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<i>Undergraduate Navigator/Naval Flight Officer/Combat Systems Officer (continued)</i>							
NAS Whiting Field, FL	64.47	13.43	8.80	9.22	5.73	17.19	10.10
Columbus AFB, MS	63.90	14.96	4.57	10.10	3.95	15.15	15.18
Randolph AFB, TX	62.61	15.61	6.24	8.12	4.94	12.03	15.67
NAS Meridian, MS	61.96	15.25	6.34	9.40	5.12	15.07	10.77
Moody AFB, GA	61.35	15.43	5.32	9.51	2.91	14.37	13.80

Education and Training JCSG							
Flight Training Subgroup							
<i>Joint Strike Fighter (JSF) Graduate-level Initial Joint Training Site</i>							
Installation	MilVal Score	Airfield	Weather	Environment	QoL	Managed Training	GT Facilities
Eglin AFB, FL	72.44	14.36	8.73	12.24	4.38	19.98	10.25
Laughlin AFB, TX	67.78	14.05	6.05	14.01	5.77	16.21	11.29
*Cherry Point, NC	66.32	16.12	7.92	11.75	4.67	14.63	8.97
Pensacola, FL	66.88	13.63	7.44	12.83	7.73	13.69	10.21
Tyndall AFB, FL	64.94	16.94	7.92	11.70	3.69	12.49	10.85
Vance AFB, TX	64.24	15.28	4.41	13.92	5.49	13.44	11.29
Kingsville, TX	64.23	14.15	6.99	12.03	4.53	17.09	8.43
NAS Meridian, MS	64.11	14.85	6.03	11.71	5.48	16.80	7.89
Shaw AFB, SC	63.98	15.77	8.33	13.92	4.08	9.89	10.11
*Yuma, AZ	63.90	16.57	10.95	9.08	3.54	12.69	9.54
Columbus AFB, MS	62.84	14.22	5.07	13.93	4.24	13.87	11.09
*Randolph AFB, TX	60.77	13.35	4.92	10.21	5.29	15.17	11.43
Beaufort, SC	59.43	12.06	9.23	11.71	6.06	10.70	9.25
*Sheppard AFB, TX	58.38	14.46	5.74	12.37	5.50	9.01	11.29
Moody AFB, GA	57.10	15.76	4.28	11.80	3.15	10.66	10.14

*Note: Four installations added for analysis at the request of the Services.

Education & Training Joint Cross-Service Group

Education and Training JCSG							
Flight Training Subgroup							
<i>Unmanned Aerial Vehicle Initial Joint Training Site</i>							
Installation	MilVal Score	Airfield	Weather	Environment	QoL	Managed Training	GT Facilities
FT Rucker, AL	78.39	16.53	13.11	11.20	5.39	19.85	12.30
Choctaw NOLF, FL	73.66	7.76	13.46	10.86	7.26	22.67	11.65
FT Huachuca, AZ	58.25	10.69	10.22	10.21	2.54	18.64	5.94
Indian Springs, NV	57.06	10.37	13.59	10.74	0	16.52	5.85

Section 3: Results of Analysis

The FT Subgroup was able to compile a useful measure of merit regarding Military Value of training installations. Overall, NAS Pensacola received the highest score for Undergraduate Fixed Wing Pilot Training and Fort Rucker received the highest score for Undergraduate Rotary Wing Training. Although only 2 installations currently conduct Undergraduate Navigator / Naval Flight Officer / Combat Systems Officer training, all 11 undergraduate flight training bases were included in the scoring for comparative analysis. Laughlin AFB received the highest score for this function. Since there are no installations that host JSF training, the Flight Training subgroup evaluated 965 airfields within CONUS against criteria developed by the Joint Strike Fighter Program Office for the Initial Training Site. Of the 31 bases that met the initial criteria, 20 were eliminated using military judgment. The Services subsequently requested 4 of the eliminated bases (based on military judgment) be reconsidered and included in the list of 11 remaining bases. Eglin AFB received the highest military value score for the list of 15 bases “best” suited for hosting the Initial Joint Training Site for the JSF. For UAV training, the Army requested that FT Rucker be included in military value scoring along with the 3 sites that currently train UAV operators. FT Rucker received the highest score of the 4 sites.

Education & Training Joint Cross-Service Group

SECTION 1 FLIGHT TRAINING SUBGROUP CAPACITY ANALYSIS

1. Introduction

- a. The E&T JCSG Flight Training (FT) Subgroup scope of analysis includes DoD installations and functions for Officer Flight Training in the following sub-functions:
 - i. Undergraduate Flight Training (UFT)
 - 1) Fixed-wing Pilot (UFWT)
 - 2) Rotary-wing Pilot (URWT)
 - 3) Navigator/Naval Flight Officer/Combat Systems Officer (NAV/NFO/CSO)
 - ii. Graduate Flight Training
 - 1) Joint Strike Fighter (JSF) Pilot
 - 2) Unmanned Aerial Vehicle (UAV) Operator

- b. The analysis did not include:
 - i. Retiring aircraft in BRAC implementation window of 2011, Service-unique, Single-site, and/or Specialized (e.g. Special Ops) aircraft flight training.
 - ii. ~~Air Battle Manager (ABM) training (Air Force will review this unique training).~~
 - iii. Tilt-rotor (V-22), H-60 Series, and Airlift Pilot (C-130J, C-12) flight training (ISG remanded this training to appropriate parent Service for review).
 - iv. Specialized Skills Training (SST) Subgroup evaluated JSF maintenance training installation requirements. FT and SST Subgroups collaborated on a proposal to integrate JSF initial flight and maintenance training at a single base.
 - v. SST Subgroup will evaluate Enlisted Aircrew Undergraduate Flight Training (Navy "A" Schools and Air Force "3-level" training programs conduct flight training (loadmaster, flight engineer, and gunner) at the Graduate level).

- c. **Function parameters:** On 23 July 2004, the ISG directed the E&T JCSG FT Subgroup to only review graduate level flight training for the Joint Strike Fighter (JSF) and Unmanned Aerial Vehicle (UAV; Predator & Global Hawk joint platforms only) programs and then provided the following guidance for Graduate Flight Training: "Only those aircraft flown by more than one Service are considered within E&T JCSG's scope of analysis."

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2. **Organization.** The Chief of Naval Air Training (CNATRA), RADM George Mayer, is the chair of the E&T JCSG FT Subgroup. The FT Subgroup has no subset group specifically designated to conduct capacity analysis. A one-person "Director of Analysis" organizes and manages data collection, assigns areas for data analysis, and prepares data for presentation.

3. Inventory of Installations.

a. Undergraduate Flight Training

i. Fixed-Wing Pilot Training

Columbus AFB, MS	NAS Kingsville, TX	Sheppard AFB, TX
Laughlin AFB, TX	NAS Meridian, MS	Vance AFB, OK
Moody AFB, GA	NAS Whiting Field, FL	
NAS Corpus Christi, TX	Randolph AFB, TX	

ii. Rotary-Wing Pilot Training

Fort Rucker, AL	NAS Whiting Field, FL
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iii. NAV/NFO/CSO Training

NAS Pensacola, FL	Randolph AFB, TX
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b. Graduate Training

i. Fixed-Wing Pilot Training (JSF)

FT Subgroup evaluated 965 airfields in the Continental United States to discover which were best suited to perform the Joint Strike Fighter (JSF) training mission. FT used the service-endorsed JSF basing criteria to screen/identify airfields. Of the 31 airfields that meet basic infrastructure criteria, the following 11 installations meet two or more "first tier" criteria (i.e. meet criteria services' established for runway length/width, field elevation, and/or distance to coastline within 550 nautical miles).

MCAS Beaufort, SC	Moody AFB, GA	Columbus AFB, MS	NAS
Pensacola, FL	Eglin AFB, FL	Shaw AFB, SC	
NAS Kingsville, TX	Tyndall AFB, FL	Laughlin AFB, TX	
Vance AFB, OK	NAS Meridian, MS		

ii. UAV (Predator/Global Hawk) Training

The FT Subgroup evaluated airfields using a service endorsed requirements matrix to determine baseline requirements for a UAV Center of Excellence (COE). While many bases surfaced with infrastructure suitable to host a UAV COE, a USAF requirement that entry-level aviators have access to and fly the Predator, made airspace

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SPECIALIZED SKILL TRAINING SUBGROUP MILITARY VALUE ANALYSIS

Section 1: Introduction

The Specialized Skill Training (SST) function includes the sub-functions of initial skill training, skill progression training, and functional training. The six attributes analyzed under each sub-function were location, quality of life, training facilities/resources, support for other missions, training mission/throughput, and environmental constraints/expansion potential. The Specialized Skill Training analysis followed the approach approved by the ISG.

Section 2: Military Value Score

The following SST analysis provides a numerical score by function and by location. Military Value scores were compiled only for specific locations that currently conduct SST. The Military Value score only pertains to SST functions at the location, not the Military Value of the entire location.

Education and Training JCSG	
Specialized Skill Training Subgroup	
<i>Initial Skills Training</i>	
Installations/Location	Numerical Military Value Score
Sheppard AFB, TX	63.06
Pensacola, FL	56.75
Lackland AFB, TX	53.67
Keesler AFB, MS	52.00
Fort Leonard Wood, MO	51.07
Fort Benning, GA	48.15
Goodfellow AFB, TX	47.04
Fort Lee, VA	45.55
Fort Knox, KY	43.06
Oceana, VA	42.96
Fort Gordon, GA	42.05
Camp Lejeune, NC	41.87
Fort Bliss, TX	41.35
Kings Bay, GA	40.79

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Section 3: Results of Analysis

The PDE Subgroup compiled useful measures of merit regarding installations that conduct educational programs. The PDE subgroup received 100% of the required military value data. The majority of the data was obtained through the OSD-certified Capacity Analysis Database (CAD) and the remaining data was received via “hard copy” along with the appropriate certification letter(s) from the Service Deputy Assistant Secretaries (DAS) or appropriate Defense Agencies. Overall, the National Capitol Region received the highest military value scores for the three PME schools; Monterey, CA, for graduate education; and Fort Jackson, SC, for OFTE (Chaplains). Military judgment confirmed the values of the scoring plans and justified additional analysis of other sites suitable for PDE functions. Ultimately, the candidate recommendations forwarded allowed senior leadership to select the options that best suited their assessment of future DoD needs.

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<i>Initial Skills Training (continued)</i>	
Installations/Location	Numerical Military Value Score
Fort Huachuca, AZ	40.69
Fort Eustis, VA	40.27
Tyndall AFB, FL	40.10
Charleston, SC	39.72
Great Lakes, IL	39.31
Gulfport, MS	39.04
Maxwell AFB, AL	38.92
Norfolk, VA	38.55
Fairchild AFB, WA	38.35
Fort McCoy, WI	38.04
Little Creek, VA	37.37
Kirtland AFB, NM	36.59
Pope AFB, NC	36.58
Fort Sill, OK	36.37
Groton, CT	35.82
Coronado, CA	35.43
Port Hueneme, CA	35.33
Pt. Loma, CA	35.15
Fort Jackson, SC	35.07
USN San Diego, CA	35.06
Camp Pendleton, CA	35.02
Vandenberg AFB, CA	34.96
Yuma, AZ	34.80
Fort Rucker, AL	34.62
Meridian, MS	34.10
Eglin AFB, FL	33.97
Fallon, NV	32.74
Tobyhanna Army Depot, PA	32.38
Twenty-Nine Palms, CA	32.17
Newport, RI	31.85
Panama City, FL	31.80
Fort Belvoir, VA	31.78
Bolling AFB, DC	31.55
Whidbey Island, WA	30.87
Mayport, FL	30.85
Aberdeen Proving Grounds, MD	30.84

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<i>Initial Skills Training (continued)</i>	
Installations/Location	Numerical Military Value Score
Brunswick, ME	30.79
Athens, GA	30.09
Redstone Arsenal, AL	29.73
Ballston Spa, NY	29.53
Fort Bragg, NC	29.42
Bangor, WA	29.36
Dahlgren, VA	28.08
Fort Dix, NJ	27.72
Fort Campbell, KY	27.34
USMC San Diego, CA	26.90
Pearl Harbor, HI	26.67
Quantico, VA	26.06
Fort Monmouth, NJ	25.57
Wallops Island, VA	25.54
Yuma Proving Ground, AZ	25.43
Crane, IN	25.21
Presidio of Monterey, CA	24.80
Willow Grove, PA	24.59
Fort Meade, MD	24.19
Bridgeport, CA	24.02

Education and Training JCSG	
Specialized Skill Training Subgroup	
<i>Skills Progression</i>	
Installations/Location	Numerical Military Value Score
Kings Bay, GA	56.45
Norfolk, VA	52.68
Oceana, VA	51.99
Fort Leonard Wood, MO	50.32
Sheppard AFB, TX	49.34
Fort Knox, TN	49.06
Kirtland AFB, NM	45.97
Fort Eustis, VA	45.33
Fort McCoy, WI	44.76

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<i>Skills Progression (continued)</i>	
Installations/Location	Numerical Military Value Score
Pensacola, FL	44.44
USN San Diego, CA	44.08
Lackland AFB, TX	43.74
Fort Benning, GA	43.41
Pt. Loma, CA	43.17
Little Creek, VA	43.16
Gulfport, MS	42.36
Fort Gordon, GA	41.74
Fort Jackson, SC	41.72
Charleston, SC	41.02
Fort Huachuca, AZ	40.83
Brunswick, ME	40.70
Goodfellow AFB, TX	40.22
Fort Rucker, AL	40.17
Fort Belvoir, VA	40.16
Fort Lee, VA	40.00
Eglin AFB, FL	39.88
Camp Lejeune, NC	39.86
Groton, CT	39.56
Fort Bliss, TX	39.55
Tobyhanna Army Depot, PA	39.43
Keesler AFB, MS	39.43
Bangor, WA	38.73
Fort Sill, OK	38.61
Whidbey Island, WA	38.27
Fairchild AFB, WA	38.07
Fort Campbell, KY	37.86
Coronado, CA	37.74
Fort Bragg, NC	37.68
Bolling AFB, DC	37.18
Mayport, FL	37.16
Newport, RI	37.12
Tyndall AFB, FL	36.66
Fallon, NV	36.53
Port Hueneme, CA	36.30

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<i>Skills Progression (continued)</i>	
Installations/Location	Numerical Military Value Score
Great Lakes, IL	35.94
Dahlgren, VA	35.90
Maxwell AFB, AL	35.77
Yuma, AZ	35.59
Camp Pendleton, CA	35.24
Redstone Arsenal, AL	35.03
Ballston Spa, NY	34.88
Aberdeen Proving Grounds, MD	34.70
Vandenberg AFB, CA	34.46
Panama City, FL	34.41
Pope AFB, NC	34.08
Meridian, MS	33.90
Pearl Harbor, HI	32.91
Yuma Proving Ground, AZ	32.55
Bridgeport, CA	32.43
Twenty-Nine Palms, CA	31.97
Athens, GA	31.74
Willow Grove, PA	31.07
USMC San Diego, CA	30.60
Quantico, VA	30.58
Fort Dix, NJ	30.06
Fort Monmouth, NJ	30.04
Fort Meade, MD	29.37
Crane, IN	29.29
Wallops Island, VA	28.25
Presidio of Monterey, CA	26.69

Education and Training JCSG	
Specialized Skill Training Subgroup	
<i>Functional Training</i>	
Installations/Location	Numerical Military Value Score
Norfolk, VA	51.29
Fort Benning, GA	51.08
Oceana, VA	47.85

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Functional Training (continued)	
Installations/Location	Numerical Military Value Score
Sheppard AFB, TX	47.50
Little Creek, VA	45.68
Pearl Harbor, HI	45.61
Fort Leonard Wood, MO	45.50
Kings Bay, GA	45.34
Pt. Loma, CA	44.50
Lackland AFB, TX	44.36
Fort Knox, TN	43.08
Fort Belvoir, VA	43.03
Gulfport, MS	42.96
Port Hueneme, CA	42.33
Charleston, SC	42.09
Fort Sill, OK	42.08
Goodfellow AFB, TX	41.81
USN San Diego, CA	41.36
Fort McCoy, WI	41.14
Brunswick, ME	40.90
Kirtland AFB, NM	40.82
Fort Eustis, VA	40.70
Tyndall AFB, FL	40.48
Pensacola, FL	39.83
Fort Lee, VA	39.45
Bangor, WA	39.40
Coronado, CA	39.06
Mayport, FL	39.02
Fort Huachuca, AZ	38.78
Camp Lejeune, NC	38.74
Fort Bliss, TX	38.62
Fallon, NV	38.29
Fort Campbell, KY	38.24
Keesler AFB, MS	37.97
Bolling AFB, DC	37.85
Groton, CT	37.85
Fort Gordon, GA	37.40
Fort Rucker, AL	37.37

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Functional Training (continued)	
Installations/Location	Numerical Military Value Score
Fort Jackson, SC	37.01
Fairchild AFB, WA	36.64
Eglin AFB, FL	36.63
Yuma, AZ	36.63
Vandenberg AFB, CA	36.63
Tobyhanna Army Depot, PA	35.59
Newport, RI	35.48
Yuma Proving Ground, AZ	35.39
Bridgeport, CA	34.64
Ballston Spa, NY	34.44
Great Lakes, IL	34.13
Redstone Arsenal, AL	34.03
Fort Bragg, NC	33.97
Meridian, MS	33.40
Maxwell AFB, AL	33.30
Panama City, FL	32.24
Whidbey Island, WA	31.41
USMC San Diego, CA	31.15
Camp Pendleton, CA	30.97
Willow Grove, PA	30.41
Aberdeen Proving Grounds, MD	30.29
Athens, GA	30.02
Quantico, VA	30.00
Twenty-Nine Palms, CA	29.99
Dahlgren, VA	29.86
Pope AFB, NC	29.54
Fort Dix, NJ	29.30
Fort Monmouth, NJ	29.24
Fort Meade, MD	28.00
Crane, IN	27.66
Wallops Island, VA	26.32
Presidio of Monterey, CA	24.90

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SECTION 3

SPECIALIZED SKILL TRAINING SUBGROUP CAPACITY ANALYSIS

1. Introduction.

- a. Installations and processes in the Specialized Skill Training (SST) category include all institutional training sites that provide officer and enlisted personnel with new or higher-level skills in military specialties or functional areas to match specific job requirements and include the sub-categories of initial skill, skill progression, and functional training.
 - i. **Initial Skill Training.** Instruction in a specific skill leading to the award of a Military Occupational Specialty or rating/classification at the lowest level; completion qualifies the individual for a position in the job structure (Air Force Specialty Code, Military Occupational Specialty, and Navy rating awarding courses).
 - ii. **Skill Progression Training.** Instruction for personnel after Initial Skill Training, and usually some experience working in their specialty, to increase job knowledge and proficiency and to qualify individuals for more advanced job duties.
 - iii. **Functional Training.** Instruction for personnel in various military occupational specialties who require specific additional skills or qualifications without changing their primary specialty or skill level.

b. Function refinements.

- i. Enlisted Aviator Flying Training data analysis to be conducted by SST subgroup (orientation course only, not any flying training that involves sorties). Justification based on agreement between Flight Training and SST subgroups with approval from Education and Training Joint Cross Service Group (E&T JCSG) and the Office of the Secretary of Defense (P&R).
- ii. Air Battle Manager Training data analysis to be completed by SST subgroup (only that portion of Air Battle Manager Training that is classroom; does not include any flying training that involves sorties). Justification based on agreement between Flight Training and SST subgroups with approval from E&T JCSG and the Office of the Secretary of Defense (P&R).
- iii. Officer and enlisted medical education and training were assigned to the Medical JCSG and are not included under SST. SST subgroup will continue to monitor medical skill training and participate with the Medical JCSG to

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help ensure consolidation of like medical skill training into the fewest locations. E&T JCSG approved 30 Jun 04.

- iv. All training (both SST and non-SST) located with related operational units/platforms are excluded from further SST analysis. E&T JCSG approved on 10 Jun 04.
- v. Following analysis, DoD agencies were excluded from further SST analysis as approved by E&T JCSG on 10 Jun 04. Subsequently on 9 Sept 04, SST subgroup accepted the transfer of the Defense Ammunition Center (DAC), Defense Information School (DINFOS), and the Defense Polygraphic Institute (DPI) from the PDE subgroup with E&T JCSG approval. Additionally, the E&T JCSG transferred the Defense Security Service Academy from PDE to SST subgroup. On 12 Oct 04, the Army certified that the Defense Ammunition Center (DAC) does not conduct SST and DAC was therefore excluded from further analysis. On 21 Oct 04, the Headquarters and Support Activities (H&SA) JCSG advised the SST subgroup that H&SA had a scenario involving DSSA. H&SA requested approval to continue with the analysis under the overwatch of the E&T JCSG and E&T JCSG approved.

2. Organization SST is a subgroup of the E&T JCSG and is chaired by Maj Gen (S) Mike Hostage, Air Education and Training Command, Director of Plans and Programs (AETC/XP). The scope of analysis for SST includes all DoD installations and processes that support the function of SST associated with three sub-functions, excluding approved exceptions/refinements.

3. Inventory of Installations.

- a. This list contains the primary SST locations by Service, excluding E&T JCSG approved exceptions/refinements:

Air Force

- | | | |
|-----------------------|-----------------------|----------------------|
| 1) Keesler AFB, MS | 5. Sheppard AFB, TX | 9. Lackland AFB, TX |
| 2) Goodfellow AFB, TX | 6. Vandenberg AFB, CA | 10. Maxwell AFB, AL |
| 3) Bolling AFB, DC | 7. Pope AFB, NC | 11. Tyndall AFB, FL |
| 4) Eglin AFB, FL | 8. Fairchild AFB, WA | 12. Kirtland AFB, NM |

Army

- | | | |
|--------------------------------|------------------------------|--------------------------|
| 1) Aberdeen Proving Ground, MD | 9. Fort Belvoir, VA | 17. Fort Benning, GA |
| 2) Fort Bliss, TX | 10. Fort Bragg, NC | 18. Fort Campbell, KY |
| 3) Fort Dix, NJ | 11. Fort Eustis, VA | 19. Fort Gordon, GA |
| 4) Fort Huachuca, AZ | 12. Fort Jackson, SC | 20. Fort Knox, KY |
| 5) Fort Lee, VA | 13. Fort Leonard Wood, MO | 21. Fort McCoy, WI |
| 6) Fort Meade, MD | 14. Fort Monmouth, NJ | 22. Fort Rucker, AL |
| 7) Fort Sill, OK | 15. Presidio of Monterey, CA | 23. Redstone Arsenal, AL |
| 8) Tobyhanna Army Depot, PA | 16. Yuma Proving Ground, AZ | |

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Navy

- | | | |
|-----------------------|----------------------|------------------------|
| 1) Brunswick, ME | 11. Newport, RI | 20. Groton, CT |
| 2) Ballston Spa, NY | 12. Willow Grove, PA | 21. Dahlgren, VA |
| 3) Wallops Island, VA | 13. Norfolk, VA | 22. Little Creek, VA |
| 4) Oceana, VA | 14. Charleston, SC | 23. Athens, GA |
| 5) Kings Bay, GA | 15. Mayport, FL | 24. Pensacola, FL |
| 6) Panama City, FL | 16. Gulfport, MS | 25. Meridian, MS |
| 7) Crane, IN | 17. Great Lakes, IL | 26. Fallon, NV |
| 8) Point Loma, CA | 18. San Diego, CA | 27. Coronado, CA |
| 9) Port Hueneme, CA | 19. Bangor, WA | 28. Whidbey Island, WA |
| 10) Pearl Harbor, HI | | |

Marine Corps

- | | | |
|-------------------|-----------------------|--------------------------|
| 1) Quantico, VA | 4. Camp Lejeune, NC | 6. Twenty-Nine Palms, CA |
| 2) San Diego, CA | 5. Camp Pendleton, CA | 7. Yuma, AZ |
| 3) Bridgeport, CA | | |

Military installation capacity analysis data includes co-located DoD agencies (e.g., Defense Investigative Service at Fort Meade and Defense Polygraphic Institute at Fort Jackson).

4. Capacities for Assigned Functions.

- a. Approach. Capacity data are fiscal year 2003 actual data including obligated military construction funding for fiscal year 2004. Capacity calculations are based on Department of Defense standards. The three capacity measures for SST are berthing, messing, and classrooms. For clarity, each measure is expressed by the number of students that can be supported.

b. Capacity Definitions.

- i. **Maximum Potential Capacity:** Throughput based on 365 training days per year, using three 8-hr shifts per day, minus constraints and restrictions {classrooms (total square feet (Sq/Ft)), dorms (design capacity), messing (four 30 minute seatings/meal)}. This is measured by student population (Average On Board (AOB)) that can be sustained under maximum conditions. Note: While classrooms can be used for three shifts per day, maximum potential capacity for messing and berthing remains the same as current capacity (the number of beds and meals does not increase by running additional shifts).
- ii. **Current Capacity:** Throughput based on 244, 8-hour training days per year. This is measured by AOB that can be sustained under a normal peacetime training schedule.
- iii. **Current Usage:** Actual throughput reported in FY03 certified data. This is measured by the AOB that is reported monthly in FY03.

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iv. **Surge Capacity:** Surge (hedge) is defined as 20% of current usage.

v. **Excess Capacity:** The excess capacity is defined as:
 (current capacity) - (current usage + surge capacity)

c. **Capacity Calculations:** Reported classroom space (Sq/Ft) is used to determine the number of students that can be supported (current capacity), using the following NAVFAC P-80 calculation to solve for AOB:

i. Current classroom capacity (*Classroom space (SqFt)*) = $AOB \times Net\ Square\ Feet\ required\ per\ student \times 1.5\ scheduling\ factor$

ii. A net square feet value of 30 Sq/Ft per student is used for general-purpose training space in accordance with the Interservice Training Review Organization (ITRO) manual. Thus: $AOB = reported\ Sq\ Ft / 45\ SqFt\ per\ student$

5. Capacity Analysis Results.

a. Capacity summaries for berthing, messing, and classrooms are provided (below) by Service for each installation.

BERTHING (# Students that can be billeted)					
	Maximum Potential Capacity	Current Capacity	Current Usage	Surge	Excess Capacity
<u>AIR FORCE</u>					
Keesler AFB, MS	3668	3668	5593	1119	(3044)
Sheppard AFB, TX	4840	4840	6888	1378	(3426)
Lackland AFB, TX	9679	9679	8948	1790	(1059)
Goodfellow AFB, TX	1966	1966	2440	488	(962)
Vandenberg AFB, CA	256	256	555	111	(410)
Maxwell AFB, AL	726	726	881	176	(331)
Bolling AFB, DC	24	24	0	0	24
Pope AFB, NC	48	48	45	9	(6)
Tyndall AFB, FL	90	90	0	0	90
Eglin AFB, FL	502	502	659	132	(289)
Fairchild AFB, WA	352	352	305	61	(14)
Kirtland AFB, NM	420	420	309	62	49

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BERTHING (# Students that can be billeted)					
	Maximum Potential Capacity	Current Capacity	Current Usage	Surge	Excess Capacity
Total USAF Berthing	22571	22571	26623	5326	(9378)
ARMY					
Aberdeen PG, MD	2915	2915	1991	398	526
Fort Belvoir, VA	70	70	0	0	70
Fort Benning, GA	11563	11563	14729	2946	(6112)
Fort Bliss, TX	913	913	1250	250	(587)
Fort Bragg, NC	1202	1202	958	192	52
Fort Campbell, KY	252	252	0	0	252
Fort Dix, NJ	964	964	0	0	964
Fort Eustis, VA	1718	1718	2136	427	(845)
Fort Gordon, GA	2660	2660	3171	634	(1145)
Fort Huachuca, AZ	2228	2228	1538	308	382
Fort Jackson, SC	1400	1400	131	26	1243
Fort Knox, KY	8870	8870	4887	977	3006
Fort Lee, VA	5101	5101	4502	900	(301)
Fort Leonard Wood, MO	20928	20928	9730	1946	9252
Fort McCoy, WI	1912	1912	128	26	1758
Fort Meade, MD	675	675	676	135	(136)
Fort Monmouth, NJ	120	120	220	44	(144)
Fort Rucker, AL	763	763	751	150	(138)
Fort Sill, OK	4060	4060	4737	947	(1624)
Presidio of Monterey, CA	2734	2734	2534	507	(307)
Redstone Arsenal, AL	1241	1241	596	119	526
Tobyhanna Depot, PA	846	846	278	56	512
Yuma Proving Ground, AZ	196	196	60	12	124

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BERTHING (# Students that can be billeted)					
	Maximum Potential Capacity	Current Capacity	Current Usage	Surge	Excess Capacity
Total Army Berthing	73331	73331	55003	11000	7328
NAVY					
Brunswick, ME	500	500	35	7	458
Newport, RI	1568	1568	677	135	756
Groton, CT	1452	1452	1848	370	(766)
Ballston Spa, NY	0	0	228	46	(274)
Willow Grove, PA	24	24	0	0	24
Dahlgren, VA	580	580	0	0	580
Wallops Island, VA	89	89	65	13	11
Norfolk, VA	2971	2971	6	1	2964
Little Creek, VA	939	939	242	48	649
Oceana, VA	2662	2662	697	139	1826
Charleston, SC	2400	2400	3093	619	(1312)
Athens, GA	217	217	312	62	(157)
Kings Bay, GA	234	234	116	23	95
Mayport, FL	0	0	10	2	(12)
Pensacola, FL	9114	9114	7189	1438	487
Panama City, FL	173	173	297	59	(183)
Gulfport, MS	564	564	580	116	(132)
Meridian, MS	1896	1896	668	134	1094
Crane, IN	0	0	0	0	0
Great Lakes, IL	8364	8364	4143	829	3392
Fallon, NV	1830	1830	364	73	1393
Point Loma, CA	650	650	110	22	518
San Diego, CA	2016	2016	937	187	892
Coronado, CA	1267	1267	206	41	1020
Port Hueneme, CA	1058	1058	320	64	674
Bangor, WA	96	96	0	0	96
Whidbey Island, WA	200	200	231	46	(77)
Pearl Harbor, HI	0	0	28	6	(34)

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BERTHING (# Students that can be billeted)					
	Maximum Potential Capacity	Current Capacity	Current Usage	Surge	Excess Capacity
Total USN Berthing	40864	40864	22402	4480	13982
MARINE CORPS					
Quantico, VA	354	354	283	57	14
Camp Lejeune, NC	7043	7043	2889	578	3576
Twenty-Nine Palms, CA	2199	2199	2059	412	(272)
San Diego, CA	500	500	300	60	140
Camp Pendleton, CA	1595	1595	1253	251	91
Yuma, AZ	0	0	0	0	0
Bridgeport, CA	1500	1500	1261	252	(13)
Total USMC Berthing	13191	13191	8045	1609	3537

MESSING (# Students that can be fed per day)					
	Maximum Potential Capacity	Current Capacity	Current Usage	Surge	Excess Capacity
AIR FORCE					
Keesler AFB, MS	3402	3402	5604	1121	(3323)
Sheppard AFB, TX	8800	8800	6889	1378	533
Lackland AFB, TX	12964	12964	10392	2078	494
Goodfellow AFB, TX	2158	2158	2504	501	(847)
Vandenberg AFB, CA	247	247	233	47	(33)
Maxwell AFB, AL	3024	3024	2497	499	28
Bolling AFB, DC	0	0	0	0	0
Pope AFB, NC	117	117	117	23	(23)
Tyndall AFB, FL	528	528	470	94	(36)
Eglin AFB, FL	907	907	907	181	(181)
Fairchild AFB, WA	560	560	305	61	194
Kirtland AFB, NM	307	307	307	61	(61)

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MESSING (# Students that can be fed per day)					
	Maximum Potential Capacity	Current Capacity	Current Usage	Surge	Excess Capacity
Total USAF Messing	33012	33014	30225	6044	(3255)
ARMY					
Aberdeen PG, MD	4172	4172	1880	376	1916
Fort Belvoir, VA	960	960	199	40	721
Fort Benning, GA	15431	15431	3611	722	11098
Fort Bliss, TX	1732	1732	1177	235	320
Fort Bragg, NC	932	932	2208	442	(1718)
Fort Campbell, KY	75	75	212	42	(179)
Fort Dix, NJ	6860	6860	336	67	6457
Fort Eustis, VA	1550	1550	1286	257	7
Fort Gordon, GA	4040	4040	4276	855	(1091)
Fort Huachuca, AZ	1880	1880	5540	1108	(4768)
Fort Jackson, SC	3248	3248	10947	2190	(9890)
Fort Knox, KY	42540	42540	4887	977	36676
Fort Lee, VA	9255	9255	3885	777	4593
Fort Leonard Wood, MO	11726	11726	8726	1745	1255
Fort McCoy, WI	2105	2105	1286	257	562
Fort Meade, MD	604	604	29002	5800	(34198)
Fort Monmouth, NJ	240	240	240	48	(48)
Fort Rucker, AL	1292	1292	2104	421	(1233)
Fort Sill, OK	8800	8800	4724	945	3131
Presidio of Monterey, CA	574	574	107530	21506	(128462)
Redstone Arsenal, AL	1100	1100	500	100	500
Tobyhanna Depot, PA	4000	4000	181	36	3783
Yuma Proving Ground, AZ	400	400	93	19	288

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MESSING (# Students that can be fed per day)					
	Maximum Potential Capacity	Current Capacity	Current Usage	Surge	Excess Capacity
Total USA Messing	123516	123516	194830	38965	-110280
NAVY					
Brunswick, ME	656	656	120	24	512
Newport, RI	550	550	600	120	(170)
Groton, CT	1794	1794	1950	390	(546)
Ballston Spa, NY	0	0	0	0	0
Willow Grove, PA	200	200	15	3	182
Dahlgren, VA	0	0	0	0	0
Wallops Island, VA	352	352	65	13	274
Norfolk, VA	799	799	996	199	(396)
Little Creek, VA	119	119	219	44	(144)
Oceana, VA	935	935	1261	252	(578)
Charleston, SC	1892	1892	3170	634	(1912)
Athens, GA	0	0	0	0	0
Kings Bay, GA	600	600	234	47	319
Mayport, FL	0	0	0	0	0
Pensacola, FL	9800	9800	7065	1413	1322
Panama City, FL	137	137	165	33	(61)
Gulfport, MS	800	800	634	127	39
Meridian, MS	2640	2640	1116	223	1301
Crane, IN	0	0	0	0	0
Great Lakes, IL	18752	18752	14796	2959	997
Fallon, NV	1152	1152	364	73	715
Point Loma, CA	0	0	0	0	0
San Diego, CA	2350	2350	2350	470	(470)
Coronado, CA	910	910	758	152	0
Port Hueneme, CA	940	940	560	112	268
Bangor, WA	0	0	0	0	0
Whidbey Island, WA	500	500	162	32	306
Pearl Harbor, HI	60	60	0	0	60

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MESSING (# Students that can be fed per day)					
	Maximum Potential Capacity	Current Capacity	Current Usage	Surge	Excess Capacity
Total USN Messing	45888	45888	36600	7320	2018
MARINE CORPS					
Quantico, VA	5574	5574	2388	478	2708
Camp Lejeune, NC	7588	7588	4755	951	1882
Twenty-Nine Palms, CA	1400	1400	2053	411	(1064)
San Diego, CA	8600	8600	7090	1418	92
Camp Pendleton, CA	5715	5715	2960	592	2163
Yuma, AZ	2120	2120	2120	424	(424)
Bridgeport, CA	948	948	889	178	(119)
Total USMC Messing	31945	31945	22255	4451	5239

CLASSROOM CAPACITY (# Students AOB)					
	Maximum Potential Capacity	Current Capacity	Current Usage	Surge	Excess Capacity
AIR FORCE					
Keesler AFB, MS	33537	7473	5763	1153	557
Sheppard AFB, TX	151734	33811	7774	1555	24482
Lackland AFB, TX	158123	35235	11679	2,336	21220
Goodfellow AFB, TX	10965	2443	3139	628	(1323)
Vandenberg AFB, CA	28588	6370	555	111	5704
Maxwell AFB, AL	11606	2586	917	183	1486
Bolling AFB, DC	1021	227	78	16	134
Pope AFB, NC	410	91	45	9	37
Tyndall AFB, FL	12580	2803	822	164	1817
Eglin AFB, FL	5244	1169	1208	242	(281)
Fairchild AFB, WA	37149	8278	296	59	7923
Kirtland AFB, NM	3082	687	394	79	214

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CLASSROOM CAPACITY (# Students AOB)					
	Maximum Potential Capacity	Current Capacity	Current Usage	Surge	Excess Capacity
Total USAF Classrms	454039	101173	32670	6535	61970
ARMY					
Aberdeen PG, MD	5749	1281	1720	344	(783)
Fort Belvoir, VA	4829	1076	106	21	949
Fort Benning, GA	27940	6226	11709	2342	(7825)
Fort Bliss, TX	430	96	835	167	(906)
Fort Bragg, NC	13840	3084	1202	240	1642
Fort Campbell, KY	0	0	200	40	(240)
Fort Dix, NJ	0	0	0	0	0
Fort Eustis, VA	6426	1432	2261	452	(1281)
Fort Gordon, GA	3375	752	3331	666	(3245)
Fort Huachuca, AZ	4245	946	2207	441	(1702)
Fort Jackson, SC	5883	1311	0	0	1311
Fort Knox, KY	110568	24638	4842	968	18828
Fort Lee, VA	19925	4440	3545	709	186
Fort Leonard Wood, MO	20558	4581	9727	1945	(7091)
Fort McCoy, WI	1077	240	278	56	(94)
Fort Meade, MD	0	0	0	0	0
Fort Monmouth, NJ	0	0	139	28	(167)
Fort Rucker, AL	10322	2300	2448	490	(638)
Fort Sill, OK	1988	443	3568	714	(3839)
Presidio of Monterey, CA	32446	7230	3766	753	2711
Redstone Arsenal, AL	1463	326	562	112	(348)
Tobyhanna Depot, PA	0	0	262	52	(314)
Yuma Proving Ground, AZ	0	0	109	22	(131)

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CLASSROOM CAPACITY (# Students AOB)					
	Maximum Potential Capacity	Current Capacity	Current Usage	Surge	Excess Capacity
Total USA Classrooms	271064	60402	52817	10562	(2977)
NAVY					
Brunswick, ME	2967	661	38	8	616
Newport, RI	9947	2217	1065	213	939
Groton, CT	13808	3077	1848	370	859
Ballston Spa, NY	4705	1048	741	148	159
Willow Grove, PA	588	131	68	14	49
Dahlgren, VA	2078	463	1643	329	(1509)
Wallops Island, VA	1703	380	65	13	302
Norfolk, VA	31490	7017	2074	415	4528
Little Creek, VA	9565	2131	1374	275	482
Oceana, VA	30055	6697	2753	551	3394
Charleston, SC	15146	3375	3344	669	(638)
Athens, GA	4277	953	356	71	526
Kings Bay, GA	26703	5950	186	37	5727
Mayport, FL	3347	746	403	81	262
Pensacola, FL	61692	13747	6749	1351	5648
Panama City, FL	2591	577	297	59	221
Gulfport, MS	18427	4106	1017	203	2886
Meridian, MS	7568	1686	758	152	777
Crane, IN	0	0	22	4	(26)
Great Lakes, IL	48655	10842	4075	815	5952
Fallon, NV	2150	479	364	73	42
Point Loma, CA	20236	4509	560	112	3837
San Diego, CA	5507	1227	1283	257	(312)
Coronado, CA	13542	3018	584	117	2317
Port Hueneme, CA	17336	3863	2119	424	1320
Bangor, WA	14932	3327	1089	218	2020
Whidbey Island, WA	9552	2129	549	110	1470
Pearl Harbor, HI	11672	2601	942	188	1471

Education & Training Joint Cross-Service Group

CLASSROOM CAPACITY (# Students AOB)					
	Maximum Potential Capacity	Current Capacity	Current Usage	Surge	Excess Capacity
Total USN Classrooms	377325	84079	35263	7056	41764
MARINE CORPS					
Quantico, VA	1644	366	338	68	(39)
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Twenty-Nine Palms, CA	61692	3730	2053	411	1266
San Diego, CA	2425	554	261	52	241
Yuma, AZ	592	132	180	36	(84)
Camp Pendleton, CA	7313	1630	1253	251	126
Bridgeport, CA	4694	1046	843	169	34
Total USMC Classrooms	123929	17612	7229	1447	8937

6. Summary (reflects E&T JCSG approved SST refinements).

	Berthing			Messing			Classrooms		
	Capacity	Usage	Excess	Capacity	Usage	Excess	Capacity*	Usage	Excess
USAF	22,571	26,623	(9,378)	33,012	30,225	(3,255)	101,173	32,670	61,970
USA	73,331	55,003	7,328	123,516	194,830	(110,280)	60,402	52,817	(2,977)
USN	40,864	22,402	13,982	45,888	36,600	2,018	84,079	35,263	41,764
USMC	13,191	8,045	3,537	31,945	22,255	5,239	17,612	7,229	8,937
Total	149,957	112,073	15,469	234,361	283,910	(106,278)	263,266	127,979	109,694
	<i>Excess of</i>		<i>10%</i>	<i>Shortage of</i>		<i>45%</i>	<i>Excess of</i>		<i>42%</i>

* Note: Classrooms' Capacities are based on Current Capacity figures.

The SST capacity analysis encompassed 70 installations. The maximum potential excess capacity (unsustainable baseline) across all installations shows excess in berthing (10%), a shortage in messing (45), and excess in classrooms (88%). The current capacity across all installations shows excess berthing [10% (same as maximum potential capacity)], a shortage in messing [45%(same as maximum potential capacity)], and excess classrooms (42%). (Note: classroom capacity increases by running three shifts per day, but messing and berthing do not increase by running additional shifts). While there is excess classroom capacity across all Services, overall capacity is a combination of all three measures. In many cases, berthing is the limiting factor.

Education & Training Joint Cross-Service Group

Section 4

RANGES AND COLLECTIVE TRAINING SUBGROUP CAPACITY ANALYSIS

1. Introduction.

a. The Ranges and Collective Training Capability Subgroups of the Education and Training Joint Cross Service Group (E&T JCSG) addresses Collective Training Capabilities on ranges, to include Service unit, interoperability (cross-Service) and joint training. This assessment includes ranges that support both test and evaluation and collective training. The Ranges and Collective Training Capability Subgroup, hereinafter referred to as the "Ranges Subgroup," includes members from OSD and the Services. The test and evaluation sub-working group (TESWG) of the ranges subgroup collaboratively supports the Technical Joint Cross Service Group (TJCSG). The Ranges Subgroup's approved functions, Training and Test & Evaluation (T&E), are two separate and distinct functions for which ranges are but one asset required to meet mission requirements. The capacity of the ranges to support these two functions will be reported separately in this section of the report.

b. Training:

- i. **Unit/Collective:** Instruction and applied exercises that prepare an organizational team (such as a squad, aircrew, battalion, or multi-Service task force) to accomplish required military tasks as a unit.
- ii. **Interoperable Training (Service-to-Service or Cross-Service):** US Military Service components training that ensures the ability of systems, units, or forces to provide services to and accept services from other systems, units, or forces and to use the services, so exchanged, to enable them to operate effectively together during multi-Service operations. Services are responsible for providing interoperable forces to Combatant Commanders. Interoperability training is based on joint doctrine, and Joint Tactics Techniques and Procedures (JTTP).
- iii. **Joint Training:** US military training based on joint doctrine or JTTP to prepare joint forces and/or joint staffs to respond to strategic and operational requirements deemed necessary by Combatant Commanders to execute their assigned missions. Joint training involves forces of two or more military departments interacting with a Combatant Commander or subordinate joint force commander; involves joint forces and/or joint staffs; and is conducted using joint doctrine and JTTP.

**RANGES AND COLLECTIVE TRAINING SUBGROUP
MILITARY VALUE ANALYSIS**

Section 1: Introduction

The scope of military value analysis for the Ranges and Collective Training subgroup includes all DoD Active Component and Reserve installations and processes that support collective training capabilities to include Service unit, and interoperability (cross-service) and joint training functions, and test and evaluation (T&E) functions. This assessment includes training, test and evaluation (T&E) ranges, and training simulations centers. For purposes of MILVAL analysis of capability, Army and Air National Guard ranges are included in this analysis. As training and T&E are distinctly different functions, separate training and T&E military values were determined for each function. The Range and Collective Training military value analysis followed the E&T JCSG methodology and Military Value Scoring Plans approved by the ISG.

Section 2: Military Value Score

A numerical score by function and location is provided for each approved sub-function within the Range and Collective Training Subgroup purview:

Education and Training JCSG	
Range and Collective Training Subgroup	
<i>Training</i>	
Installation/Location	Numerical Military Value Score
Eglin AFB, FL	63.60
Fort Wainwright, AK	62.63
Facsfac San Diego, Ca	61.81
White Sands Missile Range, NM	59.72
Fort Bliss, TX	56.55
Yuma Proving Ground, AZ	52.40
Comnavmarianas, GU	50.18
Pacmisranfac Hawarea Barking Sands, HI	49.18
Navairwarcenwpndiv Pt Mugu, CA	48.85
Facsfac Vacapes Oceana, VA	48.59
CG MCB Campen, NC	46.73

Education & Training Joint Cross-Service Group

Section 3: Results of Analysis

The SST Subgroup compiled rank order listings of training installations based upon a Military Value score for specific locations that currently conduct SST. The Military Value Score pertains only to SST functions at the location, not the Military Value of the entire location. The preceding "1-n" lists include Navy SST conducted at 28 "installations." Navy responded to military value questions by "activity" rather than "installation" as requested in the military value data call. Subsequently for SST's analysis, Navy BRAC merged activity data into "installations" some of which were multiple sites (geographically separate sites with different fence lines, e.g., Pensacola included Corry Station, NAS Oceana included Dam Neck, and Coronado included NAS North Island). The SST subgroup exercised military judgment as appropriate to proceed with analyses since the inclusion of multiple sites as an "installation" skewed overall SST military value scores for these aggregated installations. Under the SST military value scoring plan "bigger was better" so multiple sites would generate a higher military value when combined than if reported separately.

Education & Training Joint Cross-Service Group

Education and Training JCSG	
Range and Collective Training Subgroup	
<i>Training (Continued)</i>	
Installation/Location	Numerical Military Value Score
NAS Whidbey Island, WA	46.17
Fort Polk, LA	45.91
Dugway Proving Ground, UT	45.84
COMNAVAIRWARCENWPNDIV China Lake, CA	45.65
NAVSTAKAIRWARCEN Fallon, NV	45.43
NAVSTA Pearl Harbor, HI	45.42
CG MBB Camp Lejeune, NC	45.20
Fort Carson, CO	44.75
MCAS Yuma, AZ	44.17
Fort Lewis, WA	44.16
CG MAGTF TRNGCOM, CA	43.79
Nellis AFB, NV	43.57
Hill AFB, UT	42.96
COMNAVAIRWARCENACDIV, Patuxent River, MD	42.50
Luke AFB (Goldwater), AZ	41.70
Fort Hood, TX	41.69
FACSFAC Jacksonville, FL	41.68
Fort Knox, TN	41.01
NAVUNSEAWARCENDIV Keyport, WA	40.54
Fort Drum, NY	40.33
Edwards AFB, CA	40.30
Fort Bragg, NC	38.86
Fort Stewart, GA	38.42
Cannon AFB, NM	38.37
NTC and Fort Irwin, CA	38.31
NAS Key West, FL	36.41
Fort Rucker, AL	36.37
Fort A P Hill, VA	35.00
Fort Sill, OK	34.92
CG MCB Quantico, VA	34.69

Education & Training Joint Cross-Service Group

Education and Training JCSG	
Range and Collective Training Subgroup	
<i>Training (continued)</i>	
Installation/Location	Numerical Military Value Score
NAS Pensacola, FL	34.03
Key Field, MS	33.98
Shaw AFB, SC	33.82
NAVSURFWARCEN, COASTSYSSTA Panama City, FL	33.47
Fort Huachuca, AZ	33.13
Buckley AFB, CO	33.05
Selfridge ANGB, MI	32.78
Fort Campbell, KY	32.49
Hancock Field AGS, NY	32.33
Fort Sam Houston, TX	32.25
Fort Riley, KS	32.18
MCAS Beaufort, SC	32.17
Hulman Regional APT AGS, IN	31.91
Carswell ARS, NAS Fort Worth Joint Reserve, TX	31.69
Schofield Barracks, HI	31.67
Aberdeen Proving Ground, MD	31.64
McConnell AFB, KS	31.16
Fort Eustis, VA	31.03
Fort Richardson, TX	30.77
CG MCAS Cherry Pt, NC	30.37
Fort Dix, NJ	29.11
Fort Leonard Wood, MO	28.83
COMNAVSPECWARGRU One, CA	28.71
COMSUBFORPAC Pearl Harbor, HI	28.63
NAS JRB Ft Worth, TX	28.56
Fort Benning, GA	28.41
CG MCB Hawaii	28.01
NAS Kingsville, TX	27.68
Seymour Johnson AFB, NC	27.51
Fort Gordon, GA	27.49
Fort McCoy, WI	27.09
Vandenberg AFB, CA	27.02

Education & Training Joint Cross-Service Group

Education and Training JCSG	
Range and Collective Training Subgroup	
<i>Training (continued)</i>	
Installation/Location	Numerical Military Value Score
Mountain Home AFB, ID	26.77
Eielson AFB, AK	26.45
COMSTRKFIGHTWINGPAC Lemoore, CA	26.13
COMNAVSPECWARCEN, CA	25.96
Holloman AFB, NM	24.85
Atlantic City IAP AGS, NJ	24.02
Kirtland AFB, NM	23.57
MCMWTC Bridgeport, CT	23.49
Barksdale AFB, LA	23.33
NAS Whiting Field Milton, FL	23.23
Fort Jackson, SC	23.04
NAS Meridian, MS	22.94
COMSUBLANT Norfolk, VA	22.71
Lambert - St. Louis IAP AGS, MO	22.48
Harrisburg IAPAGS, PA	22.34
NAS Corpus Christi, TX	21.58
Moody AFB, GA	21.26
Redstone Arsenal, WA	20.95
Fort Smith Regional Apt AGS, AR	19.10
FCTCLANT, Dam Neck, VA	18.59
McChord AFB, WA	16.93
NAVSURFWARCENDIV Dahlgren, VA	16.75
Elmendorf AFB, AK	16.70
Tucson IAP AGS, AZ	16.70
NAS New Orleans ARS, LA	16.09
Klamath Falls IAP AGS, PA	15.14
Offutt AFB, NE	14.34
Davis-Monthan AFB, AZ	14.12
Whiteman AFB, MO	13.84
DULUTH IAP AGS, MN	13.73
Laughlin AFB, TX	13.30
Vance AFB, OK	13.20
Columbus AFB, MS	13.14
Ellsworth AFB, SD	13.12

Education & Training Joint Cross-Service Group

Education and Training JCSG	
Range and Collective Training Subgroup	
<i>Training (continued)</i>	
Installation/Location	Numerical Military Value Score
NAS Atlanta, GA	13.01
Tyndall AFB, FL	12.97
Langley AFB, VA	12.88
Great Falls IAP AGS, MT	12.55
Pope AFB, NC	12.00
Ellington Field AGS, TX	11.87
Boise Air Terminal AGS, ID	11.85
Dane County Regional, Truax Field AGS, WI	11.20
Hawthorne Army Depot, NV	10.91
Rome Laboratory, NY	10.87
Dyess AFB, TX	10.69
Des Moines IAP AGS, IA	10.49
Springfield-Beckley MPT AGS, OH	10.10
Sheppard AFB, TX	10.04
Beale AFB, CA	9.24
Sioux Gateway APT AGS, IA	9.23
Capital APT AGS, IL	9.22
Randolph AFB, TX	9.17
Joe Foss Field AGS, SD	9.16
Fort Wayne IAP AGS, IN	9.14
Dannelly Field AGS, AL	9.13
West Point Mil Reservation, NY	8.97
Anniston Army Depot, AL	8.80
Lincoln Map AGS, NE	8.72
Bradley IAP AGS, CT	8.72
Tulsa IAP AGS, OK	8.71
W. K. Kellogg APT AGS, MI	8.66
Barnes MPT AGS	8.63

Education & Training Joint Cross-Service Group

Education and Training JCSG	
Ranges and Collective Training Subgroup	
<i>Testing and Evaluation (T&E)</i>	
Installation/Location	Numerical Military Value Score
EGLIN AFB	78.11
WHITE SANDS MISSILE RANGE	72.89
COMNAVAIRWARCENWPNDIV_CHINA_LAKE	71.33
NAVAIRWARCENWPNDIV_PT_MUGU_CA	69.67
HILL AFB	67.46
COMNAVAIRWARCENACDIV_PATUXENT_RI	65.46
EDWARDS AFB	63.56
ABERDEEN PROVING GROUND	59.15
YUMA PROVING GROUND	56.98
FORT HUACHUCA	55.40
NELLIS AFB	55.01
PACMISRANFAC_HAWAREA_BARKING_SANDS_HI	53.29
NAVSURFWARCEN_COASTSYSSTA_PANAMA	52.94
NAVUNSEAWARCENDIV_KEYPORT_WA	52.73
NAVSURFWARCENDIV_DAHLGREN_VA	50.51
DUGWAY PROVING GROUND	50.23
REDSTONE ARSENAL	49.98
VANDENBERG AFB	49.05
FORT KNOX	47.75
LUKE AFB	47.53
FORT SILL	43.14
NAVSTKAIRWARCEN_FALLON_NV	42.63
FORT A P HILL	42.60
FORT BLISS	42.50
CG_MAGTF_TRNGCOM	41.94
NAS_KEY_WEST_FL	41.70
FORT WAINWRIGHT	41.18
MCAS_YUMA_AZ	41.00

Education & Training Joint Cross-Service Group

Education and Training JCSG	
Ranges and Collective Training Subgroup	
<i>Testing and Evaluation (T&E)(Continued)</i>	
Installation/Location	Numerical Military Value Score
FORT RUCKER	40.65
MCAS_BEAUFORT_SC	40.03
FORT LEONARD WOOD	39.10
ELLSWORTH AFB	37.13
MCCONNELL AFB	35.96
NTC AND FORT IRWIN CA	35.39
FORT BRAGG	35.26
FORT HOOD	35.09
BUCKLEY AFB	33.93
COMSUBLANT_NORFOLK_VA	33.63
MCMWTC	30.27
CG_MCB_CAMPEN	30.20
HAWTHORNE ARMY DEPOT	28.71

Section 3: Results of Analysis

Training

The Range Training Sub-working Group, using Military Value analysis guidance as established by OSD, provided a means to rank-order ranges/range complexes/operating areas (OPAREAs) on the measure of merit and quantifiable attributes. Four DoD selection criteria were weighted based on relative importance in assessing the Military Value of training ranges/range complexes/OPAREAs. A range's military value is predominantly its ability and capability to support the training mission. The cost was not the primary discriminator for the Range Training Sub-working Group in the calculation of Military Value. The Range Training Sub-working Group followed the *Recruit and Train* principle as defined in Policy Memorandum Two and Final Selection Criteria 1 through 4. Shear un-encroached space and the number of environments a range has available were major factors in the Military Value analysis. The Range Training Sub-working Group addressed 14 attributes across the 4 criteria resulting in a prioritized "1-n" list of training ranges/range complexes/OPAREAs.

Education & Training Joint Cross-Service Group

Section 4

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	<i>Excess of</i>			<i>Shortage of</i>			<i>Excess of</i>		
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Education & Training Joint Cross-Service Group

c. Test & Evaluation.

- i. The T&E Sub Working Group (TESWG), in support of the Ranges Subgroup, determined the capacity of the ranges to support the T&E function performed on open-air ranges in accordance with its Capacity Analysis Methodology Report. The TESWG determined the inventory of ranges that perform T&E functions and the excess throughput capacity at those ranges.
- ii. Open-air ranges (OARs) are one of six commonly recognized T&E resource categories used in support of the acquisition process. The other categories are Digital Modeling and Simulation Facility (Digital Models and Computer Simulations); Hardware in the Loop (HITL) Facility; Integration Laboratory (IL); Installed System Test Facility (ISTF); and Measurement Facility (MF). The Technical JCSG is addressing inventory and capacity for these five T&E resource capability areas.
- iii. OARs are defined as specifically bounded or designated geographic areas, including Operating Areas (OPAREAs), that encompass a landmass, body of water (above and below surface), and/or airspace used to conduct test and evaluation of military hardware, personnel, tactics, munitions, explosives, or electronic combat systems. Open-air ranges will include a ~~fixed, reconfigurable, and/or mobile physical plant for range operations or support~~ and may include personnel and equipment for command and control, scoring, debriefing, radio frequency management, security, traffic control and deconfliction, safety, fixed targets, fixed threat simulators, buildings and other real property, natural topography, and interconnectivity and interoperability with other ranges and facilities. Airfields/Aerodromes that are used for specific T&E events (e.g. hover and load tests, catapult and arresting gear events, sloped landing pads, etc.) should be reported as OARs. Multiple contiguous open-air ranges (e.g., a range complex) may be considered a single range or may be reported individually if designed or equipped for specific missions; however, non-contiguous ranges must be identified separately. Open-air ranges and training ranges both include fixed or geographically designated airspace, ground space, and sea space; however training ranges differ from OARs in the lack of T&E workload.
- iv. The following functional areas categorize the T&E work accomplished on OARs and are based on standard T&E Reliance functions adopted in the late 1980's:
 - 1) Armaments/Munitions (including directed energy weapons)
 - 2) Electronic Combat

Education & Training Joint Cross-Service Group

- 3) Space Combat and Ballistic Missiles
- 4) Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (to include information operations/information assurance)
- 5) Air Combat
- 6) Land Combat
- 7) Chemical and Biological Defense
- 8) Sea Combat
- 9) Other

This categorization differs slightly from the commonly recognized T&E Reliance functions in order to better align with the Technical JCSG Defense Technology Area Plan (DTAP) construct. These differences include placing directed energy weapons in the “Armaments/Munitions” function as opposed to the “Electronic Combat” function; “Chemical and Biological Defense” testing has been moved to a separate category as opposed to being a sub-area under “Land Combat”; and a separate category “Other” was added to cover T&E work performed in DTAP areas not defined as pieces of T&E Reliance functions.

d. Range Subgroup Function Refinements/Changes.

i. Simulation Centers for Training are not included in this analysis.

ii. Simulation Centers will be addressed as part of Military Training value.

e. Capacity Analysis and Results Summary.

i. **Training:** Utilizing the approved Capacity Report, the capacity analysis, using the service certified data, has provided the subgroup with the empirical mechanism required to ensure the capacity formulas could be executed. The results are conclusive that the formulas, as written provide the basis for capacity analysis.

ii. **Testing:** Per agreement with the Technical Joint Cross-Service Group (TJCSG), the TESWG determined capacity and military value for OARs and referred all capacity and military value determinations for the five other T&E functional areas/resources to the TJCSG. In turn, the TJCSG will use the values for OARs as determined by the Ranges Subgroup in their determinations.

2. Organization.

- a. Ranges Subgroup organizational description including functional subgroups and analytical divisions within each subgroup. The Ranges subgroup is chaired by, Deputy Chief of Staff, G-3, Headquarters, Department of the Army. The Ranges subgroup is organized into two distinct subgroups, Training and Testing.

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- i. The Training Sub-Working Group being divided into three further working groups, as indicated below:
 - 1) Ground Training: Army led with Marine Corps.
 - 2) Air Training: Air Force led with Navy and Marine Corps.
 - 3) Maritime Training: Navy led with Marine Corps.
- ii. The T&E Sub-Working Group (TESWG) is chaired by the Army T&E staff and consists of members from OSD and Service T&E Staffs. The TESWG is responsible for creating the capacity, supplemental, military value, and scenario data calls and for the evaluation and analysis of data responses from the Services and Defense Agencies for T&E OARs.

3. Capacities for Assigned Functions.

a. Training:

i. Capacity Definitions:

Maximum potential capacity = theoretical maximum operational dimension for plants' capability to perform functions/sub-functions (assumes weather, environmental and legislative restrictions but otherwise multiple shifts/ unconstrained).

= Net existing air/land/sea range space volume (design minus restrictions) X:

365 days for ground ranges (Acre Days)

365 x 24 hours for air ranges (NM3 hours)

365 x 24 hours for sea ranges (NM2 hours)

Current capacity = standardized/peacetime operations for existing physical plants' capability to perform functions/sub-functions (normalized for comparability between Services' installations /range/OPAREAs).

= Net existing air/land/sea range space volume (design minus restrictions) X:

244 training days for land ranges (acre days)

260 days X 16 hours per day for air ranges (NM3 hours)

365 X 24 hours for sea ranges (NM2 hours)

Note: oceans have essentially unlimited availability.

Current usage = As reported, may be < or > "current capacity" as defined above and considers maintenance/equipment downtime, end strength (faculty, staff & students), personnel resources/accounts (pay/overtime pay), duty hours (e.g., days/year, hours/day for budgetary constraints), training policy/requirements .

NOTE: Future usage requirements (end strength driven education and training requirements, weapon system acquisition or modification driven education and training requirements, out year budgets, et cetera) may exceed or fall short of current usage. Scenario development considered future usage requirements.

Education & Training Joint Cross-Service Group

Surge capacity = Additional “capability hedge” in order to meet unanticipated increases for an existing physical plants’ capability to perform functions/sub-functions. Training Ranges = current usage plus 25%.

Excess capacity = Current capacity minus (surge capacity) (in other words) Current capacity (Standardized / peacetime operations in acre days minus Surge (in acre days) = Excess (in acre days). Percentage Excess = Excess capacity (in acre days) / Current (Standard) in acre days.

NOTE: Current usage (certified Data Call #1 responses) plus surge capacity may be greater than current capacity.

- ii. **Physical Plant:** Operational Volume/Capability. Airspace: Calculation; Gross (Available) question #160. Calculations in MN3/hours per year.
- a) Volume Metric: Gross (Available) cubic nautical miles x hours
 - b) Gross (total air space encompassed within the range)
 - c) Net (less unusable airspace – with limitations noted) question #160
 - d) Current Usage (Scheduled) question #169
-
- 2) Sea Space (Surface and Undersea) question # 192. Calculations in NM2/hours per year.
- a) Size: Metric: square nautical miles x days
 - b) Gross (total sea space encompassed within the range)
 - c) Net (less unusable sea space with limitations noted), question(s) 248, 49, 50, 52, 53, 54, 56, 59, 60
 - d) Unusable sea space would include areas only available for transit with no significant military activity authorized.
 - e) Depth
 - Shallow water area (less than 100 fathoms) question #192
 - Open ocean area (greater than 100 fathoms) question #192
- 3) Capability (Attribute/volume) Current Usage (Scheduled) question #193
- 4) Current Usage (Scheduled) question #193

Education & Training Joint Cross-Service Group

iii. Ground Space.

- 1) Size Metric: Acres x days
- 2) Gross Maneuver Area (total ground space encompassed within the range) Gross acres (Available) question # 150 (x) 365 Days/yr = Available annual acre days (Maximum Potential Capacity), ground footprint of AF selected air ranges question #176
- 3) Net Maneuver Area (less unusable ground space with limitations noted) question # 150 (Gross acres (-) Encroachments/Restrictions) (x) (365 days/yr) = Net Acre Days
- 4) Current Usage (Scheduled) question MV#1683: # Days (x) Net Acres = scheduled acre days.
- 5) Surge Capacity Requirements: Surge Capacity Requirements: Current usage (x) 25% = Surge Capacity (in acre days)

iv. Other Physical Plant.

- 1) Weapons Capabilities (Mil Val Analysis)
 - 2) Limitation/Restrictions (Mil Val Analysis)
 - 3) Instrumentation Capabilities (Mil Val Analysis)
 - 4) Range Infrastructure Backbone (Mil Val Analysis)
 - 5) Threat Representation/Sim Capability (Mil Val Analysis)
 - 6) Target Control Capability (Mil Val Analysis)
-

v. Range Control and Support Capabilities and Facilities.

- 1) Range Operation Buildings: Not required in Capacity or Military Value analysis. The range control building has no bearing on the capacity or the military value analysis of a range. It does not add to nor subtract from the value of the range. A range control facility could be a permanent or temporary structure and can be fixed or mobile.

vi. Workload and Utilization.

- 1) Events (Capacity Analysis)
- 2) Funding (Mil Val Analysis)

vii. Levels of Capacity (Capacity Analysis) (Replaced with E&T approved definitions).

viii. Personnel.

- 1) Government Authorized Personnel (Mil Val Analysis)
- 2) Contract Personnel (Mil Val Analysis)

ix. Sustainability.

- 1) Encroachment Factors (Capacity Analysis)
- 2) Environmental Conditions and Limitations (Capacity Analysis)

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x. **Capacity calculations** at each facility: The following Collective Training filters provide a minimum capacity needed for collective training for ground, sea, and air forces.

- 1) **Ground:** 19,000 acres or greater (minimum maneuver acreage required for "Light Battalion Training"). This filter is based on Army Training Circular 25-1 and is agreed to by the USMC
- 2) **Sea:** 50 Nautical Miles Squared (NM²). The final draft of the Fleet's Range Capabilities Document states the minimum sized OPAREA has 50 sq. NM. This is considered the minimum for Intermediate training in Amphibious Warfare and Special Operations. This is the minimum size required stated to do any major training in the sea ranges.
- 3) **Air:** The calculation of airspace capacity for the range training function used the values from a limited subset of the types of Military Airspace. The legal definitions of Restricted Areas, MOAs, and Warning areas are defined in FAA Order 7400.8 and ATCAAs are defined by local agreement with the FAA. Airspace was included if it provided for the segregation of nonparticipating aircraft from participating aircraft operations or allowed aircraft operation that may be hazardous to nonparticipating aircraft. The four types of airspace included were Restricted Areas, Military Operations Areas (MOAs), Warning Areas, and Air Traffic Control Assigned Areas (ATCAAs):

- Restricted Areas: Restricted Areas are established to provide the ability to completely exclude nonparticipating aircraft from the area to allow operation that may be hazardous to these aircraft.
- MOAs: MOAs are established outside of Class A Airspace to separate/segregate certain military activities from IFR traffic and to identify for VFR traffic where these activities are conducted.
- Warning Areas: A Warning Area is airspace of defined dimensions, extending from 3 nautical miles outward from the coast of the United States that contains activity that may be hazardous to non-participating aircraft. The purpose of such warning areas is to warn nonparticipating pilots of the potential danger. A warning area may be located over domestic and/or international waters.

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- ATCAAs: ATCAAs are normally established above 18,000 feet MSL to separate/segregate certain military activities from other air traffic.

The types of airspace excluded were:

- Alert Areas: Airspace that may contain a high volume of pilot training activities or an unusual type of aerial activity, neither of which is hazardous to aircraft.
- Prohibited Areas: Aircraft are prohibited from flying in these areas without permission from the using agency. Currently there are no Prohibited Areas managed by the DoD.
- Control Fire Areas (CFAs): CFAs are set up due to ground operations that may be hazardous to aircraft operations such as artillery firing, ordnance disposal, and rocket testing.
- Military Training Routes (MTRs): While MTRs may provide a military training capacity; most MTRs cannot be tied to a specific range or base. In many cases they provide a means of ingress and egress between many bases, ranges, and/or training areas rather than for the air operations over a range. With this in mind, they tend to affect the military value of bases for training and will be addressed in the Military Value phase.
- Low Altitude Tactical Navigation Areas (LATN): These are defined areas in which the military performs random VFR operations in accordance with all VFR rules and regulations. These areas are primarily designated for the purpose of addressing environment regulations and not due to incompatible aircraft operation.
- Air Refueling Tracks (ARs): Defined tracks where military aircraft are refueled in flight. These tracks mostly occur in Class A and are compatible with normal aircraft operation in this airspace.

xi. Other notes

- For purposes of this analysis, airspace altitudes were capped at 50,000 feet because several sections of SUAS/ATCAAs have an upper limit defined as “Unlimited.”
- Data concerning airspace that was excluded from the capacity analysis has been collected and is available for use, if necessary, during the Military Value and scenario phases.
- Facility list Training

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- xii. **Ground Training Locations Data:** Capacity data for Ground is based on the 15 March 2005 Capacity Analysis Data (CAD) from the OSD access database.

Range/OPAREA Designation (list from capacity data call)	Max Potential Capacity (Available) (Net Acres (Column F) X 365)	Standard (Annual Acre Days) = Standard Acre Days (Column J) * Net Acres (Column F)	Current Usage (Scheduled Acre Days) Net Acres (Column F) * Actual Scheduled Days (Column L)	SURGE = (Current Usage Scheduled (Column M) * 1.25)	Excess Percent (Col D) - surge (Col E) / (Col D) (%)
ARMY					
DUGWAY PROVING GROUND	231,775,000	154,940,000	91,440,000	114,300,000	26.23%
FORT A P HILL	21,147,370	14,136,872	13,847,182	17,308,978	-22.44%
FORT BENNING	51,875,990	34,678,744	51,023,234	63,779,043	-83.91%
FORT BLISS/MCGREGOR	367,886,420	245,929,552	146,146,660	182,683,325	25.72%
FORT BRAGG	38,592,545	25,798,852	37,958,147	47,447,684	-83.91%
FORT CAMPBELL	24,244,760	16,207,456	21,787,072	27,233,840	-68.03%
FORT CARSON (Pinyon Canyon)	128,160,260	85,674,256	20,365,192	25,456,490	70.29%
FORT DRUM	18,175,540	12,150,224	11,104,508	13,880,635	-14.24%
FORT EUSTIS	1,549,060	1,035,536	1,082,220	1,352,775	-30.64%
FORT GORDON	17,436,050	11,655,880	16,480,650	20,600,813	-76.74%
FORT HOOD	67,256,725	44,960,660	57,490,680	71,863,350	-59.84%
FORT HUACHUCA	17,403,930	11,634,408	1,716,552	2,145,690	81.56%
FORT JACKSON	9,222,820	6,165,392	3,790,200	4,737,750	23.16%
FORT KNOX	32,074,375	21,441,500	16,872,000	21,090,000	1.64%
FORT LEONARD WOOD	19,943,600	13,332,160	3,005,200	3,756,500	71.82%
FORT LEWIS	127,656,195	85,337,292	98,977,269	123,721,586	-44.98%
FORT MCCOY	17,205,005	11,501,428	15,319,525	19,149,406	-66.50%
FORT POLK	66,848,290	44,687,624	47,617,960	59,522,450	-33.20%
FORT RICHARDSON	19,208,855	12,840,988	17,209,029	21,511,286	-67.52%
FORT RILEY	25,171,130	16,826,728	25,102,168	31,377,710	-86.48%
FORT RUCKER	15,061,725	10,068,660	12,214,440	15,268,050	-51.64%
FORT SAM HOUSTON (Cp Bullis)	8,751,605	5,850,388	8,607,743	10,759,679	-83.91%
FORT SILL	17,683,885	11,821,556	15,455,231	19,319,039	-63.42%
FORT STEWART/HUNTER AF	96,245,025	64,339,140	95,981,340	119,976,675	-86.48%
FORT WAINWRIGHT	471,604,455	315,264,348	228,695,859	285,869,824	9.32%
HAWTHORNE ARMY DEPOT	24,918,185	16,657,636	3,959,602	4,949,503	70.29%

Education & Training Joint Cross-Service Group

Range/OPAREA Designation (list from capacity data call)	Max Potential Capacity (Available) (Net Acres (Column F) X 365)	Standard (Annual Acre Days) = Standard Acre Days (Column J) * Net Acres (Column F)	Current Usage (Scheduled Acre Days) Net Acres (Column F) * Actual Scheduled Days (Column L)	SURGE = (Current Usage Scheduled (Column M) * 1.25)	Excess Percent (Col D) - surge (Col E) / (Col D) (%)
NTC AND FORT IRWIN	130,962,730	87,547,688	107,640,600	134,550,750	-53.69%
SCHOFIELD BRKS	12,960,055	8,663,708	11,788,324	14,735,405	-70.08%
WHITE SANDS MISSILE RANGE	203,358,290	135,943,624	151,543,712	189,429,640	-39.34%
YUMA PROVING GROUND	393,650,675	263,152,780	322,470,005	403,087,506	-53.18%
USMC					
CG_MCB_QUAN TICO_VA	111,380,480	74,457,088	60,114,944	75,143,680	-0.92%
CG_MCB_CAMP LEJEUNE_NC	36,428,460	24,352,176	34,132,968	42,666,210	-75.20%
CG_MCB_CAMP EN	26,713,255	17,857,628	19,980,051	24,975,064	-39.86%
CG_MAGTF_TR NGCOM	127,750	85,400	58,100	72,625	14.96%
CG_MCB_HAWA II	9,912,670	6,626,552	9,831,196	12,288,995	-85.45%
MCMWTC Bridgeport	418,503,890	279,766,984	-	-	100.00%
MCAS_YUMA_A Z	16,790,000	11,224,000	12,650,000	15,812,500	-40.88%
USAF					
CANNON AFB	24,102,045	16,112,052	16,640,316	20,800,395	-29.10%
EDWARDS AFB	102,393,815	68,449,564	88,928,327	111,160,409	-62.40%
EGLIN AFB	168,662,485	112,749,716	168,200,396	210,250,495	-86.48%
HILL AFB	751,877,005	502,624,628	348,129,353	435,161,691	13.42%
HULMAN REGIONAL APT AGS	23,871,000	15,957,600	1,438,800	1,798,500	88.73%
LUKE AFB (GOLDWATER)	383,263,140	256,208,784	-	-	100.00%
NELLIS AFB	1,065,759,850	712,453,160	721,212,830	901,516,038	-26.54%
SHAW AFB (AVON PARK)	4,191,660	2,802,096	2,813,580	3,516,975	-25.51%
USN					
NAS_WHIDBEY ISLAND_WA	14,664,970	9,803,432	1,446,408	1,808,010	81.56%
COMNAVAIRWAR GEN/WPNDIV CHINA LAKE_C A	678,535	453,596	490,776	613,470	-35.25%
COMNAVSPEC WARGEN	262,800	175,680	205,200	256,500	-46.00%
COMNAVSPEC WARGRU_ONE	25,550	17,080	21,000	26,250	-53.69%

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Range/OPAREA Designation (list from capacity data call)	Max Potential Capacity (Available) (Net Acres (Column F) X 365)	Standard (Annual Acre Days) = Standard Acre Days (Column J) * Net Acres (Column F)	Current Usage (Scheduled Acre Days) Net Acres (Column F) * Actual Scheduled Days (Column L)	SURGE = (Current Usage Scheduled (Column M) * 1.25)	Excess Percent (Col D) - surge (Col E) / (Col D) (%)
NAVSTKAIRWARCEN_FALLON_NV	68,355,375	45,695,100	24,720,300	30,900,375	32.38%

xiii. **Sea Training:** Capacity data for Sea is based on the 22 Feb 2005 Capacity Analysis Data (CAD) from the OSD access database.

Range/OPAREA Designation (list from capacity data call)	Max Potential Capacity (Available) (Net NM2 (Column F) X 365 X 24) (NM2/Hrs/yr)	Standard (Annual NM2/hrs/yr) = Standard Hours/Year (Column J) * Net NM2 (Column F)	Current Usage (Scheduled Nm2/hrs/yr) Net NM2 (Column F) * Actual Scheduled hours (Column L)	SURGE = (Current Usage Scheduled (Column M) * 1.25)	Excess Percent (Col D) - surge (Col f) / (Col D) (%)
COMNAVAIRWARCENAGDIV_PATUXENT_RIVER_MD ¹	2,811,960	2,811,960	83,139	103,924	96%
COMNAV MARIA NAS_GU	122,640,000	122,640,000	73,584,000	91,980,000	25%
COMSUBLANT_NORFOLK_VA	111,252,000	111,252,000	111,252,000	139,065,000	-25%
COMSUBFORPA_C_PEARL_HARBOR_HI	1,226,400,000	1,226,400,000	1,226,400,000	1,533,000,000	-25%
FACSFAC_JACKSONVILLE_FL ²	468,186,960	468,186,960	454,291,000	567,863,750	-21%
FACSFAC_SAN_DIEGO_CA	2,482,610,280	2,482,610,280	561,137,940	701,422,425	72%
FACSFAC_VACAPES_OCEANA_VA	761,077,560	761,077,560	761,077,560	951,346,950	-25%
FCTCLANT_DAM_NECK_VA	2,409,000	2,409,000	-	-	100%
NAS_KEY_WEST_FL	169,304,520	169,304,520	3,865,400	4,831,750	97%
NAS_PENSACOLA_FL	52,822,800	52,822,800	3,973,770	4,967,213	91%
NAVAIRWARCENWPNDIV_PT_MUGU_CA	238,955,280	238,955,280	96,318,618	120,398,273	50%
NAVSTA_PEARL_HARBOR_HI	1,957,255,560	1,957,255,560	1,189,993,506	1,487,491,883	24%

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Range/OPAREA Designation (list from capacity data call)	Max Potential Capacity (Available) (Net NM2 (Column F) X 365 X 24) (NM2/Hrs/yr)	Standard (Annual) NM2/hrs/yr = Standard Hours/Year (Column J) * Net NM2 (Column F)	Current Usage (Scheduled Nm2/hrs/yr) Net NM2 (Column F) * Actual Scheduled hours (Column L)	SURGE = (Current Usage Scheduled (Column M) * 1.25)	Excess Percent (Col D) - surge (Col f) / (Col D) (%)
NAVSURFWARC EN_COASTSYS STA_PANAMA_CITY_FL	24,195,120	24,195,120	6,485,176	8,106,470	66%
NAVSURFWARC EN_DIV_DAHLEGR EN_VA	1,497,960	1,497,960	204,687	255,859	83%
NAVUNSEAWARC EN_DIV_KEYPORT_WA	23,406,720	23,406,720	3,048,752	3,810,940	84%
PACMISRANFAC_HAWAREA_BARKING_SANDS_HI	9,636,000	9,636,000	5,799,200	7,249,000	25%
U.S. AIR FORCE					
CG_MCB_CAMP LEJEUNE_NC	464,280	464,280	12,879	16,099	97%
CG_MCB_CAMP EN	1,042,440	1,042,440	387,702	484,628	54%
U.S. NAVY					
VANDENBERG AFB	919,800	919,800	7,665	9,581	99%
EGLIN AFB	210,257,520	210,257,520	36,291,024	45,363,780	78%

xiv. **Air Training:** Capacity data for Air is based on the 22 Feb 2005 Capacity Analysis Data (CAD) from the OSD access database.

Range/OPAREA Designation (list from capacity data call)	Max Potential Capacity (Available) (Net NM3 (Column F) X 365 X 24) (NM3/Hrs/yr)	Standard (Annual) NM3/hrs/yr = Standard Hours/Year (Column J) * Net NM3 (Column F)	Current Usage (Scheduled Nm3/hrs/yr) Net NM3 (Column F) * Actual Scheduled hours (Column L)	SURGE = (Current Usage Scheduled (Column M) * 1.25)	Excess Percent (Col D) - surge (Col N) / (Col F) (%)
U.S. AIR FORCE					
ABERDEEN PROVING GROUND	21,118,608	10,028,928	7,420,470	9,275,588	8%
ANNISTON ARMY DEPOT	15,105	7,173	-	-	100%
DUGWAY PROVING GROUND	68,467,459	32,514,227	7,503,283	9,379,104	71%
FORT A P HILL	580,262	275,558	333,493	416,867	-51%

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Range/OPAREA Designation (list from capacity data call)	Max Potential Capacity (Available) (Net NM3 (Column F) X 365 X 24) (NM3/Hrs/yr)	Standard (Annual NM3/hrs/yr) = Standard Hours/Year (Column J) * Net NM3 (Column F)	Current Usage (Scheduled Nm3/hrs/yr) Net NM3 (Column F) * Actual Scheduled hours (Column L)	SURGE = (Current Usage Scheduled (Column M) * 1.25)	Excess Percent (Col D) - surge (Col N) / (Col F) (%)
FORT BENNING	6,237,291	2,962,001	4,153,884	5,192,355	-75%
FORT BLISS	144,846,600	68,785,600	31,782,741	39,728,426	42%
FORT BRAGG	6,934,130	3,292,920	6,100,631	7,625,789	132%
FORT CAMPBELL	12,530,830	5,950,714	8,890,550	11,113,187	-87%
FORT CARSON	89,738,262	42,615,430	2,138,262	2,672,827	94%
FORT DIX	246,331	116,979	85,077	106,346	9%
FORT DRUM	4,029,600	1,913,600	3,919,200	4,899,000	156%
FORT GORDON	651,306	309,296	374,724	468,405	-51%
FORT HOOD	19,604,880	9,310,080	5,953,272	7,441,590	20%
FORT HUACHUCA	52,254,276	24,814,816	7,824,427	9,780,533	61%
FORT JACKSON	1,636,894	777,338	122,742	153,428	80%
FORT KNOX	4,293,882	2,039,104	2,211,713	2,764,641	-36%
FORT LEONARD WOOD	1,546,666	734,490	236,931	296,164	60%
FORT LEWIS	35,534,677	16,874,915	5,761,228	7,201,535	57%
FORT MCCOY	1,908,629	906,381	999,177	1,248,971	-38%
FORT POLK	93,003,903	44,166,237	8,392,307	10,490,383	76%
FORT RICHARDSON	507,271	240,896	-	-	100%
FORT RILEY	9,494,964	4,509,024	3,424,113	4,280,141	5%
FORT RUCKER	1,078,251	512,046	361,116	451,394	12%
FORT SILL	9,085,259	4,314,461	5,283,828	6,604,785	-53%
FORT STEWART	15,778,424	7,492,950	6,154,308	7,692,885	-3%
NTC AND FORT IRWIN CA	22,601,676	10,733,216	22,477,831	28,097,289	162%
REDSTONE ARSENAL	1,192,814	566,451	88,200	110,250	81%
SCHOFIELD BARRACKS	4,382,784	2,081,322	1,001	1,251	100%
WEST POINT MIL RESERVATION	43,800	20,800	-	-	100%
WHITE SANDS MISSILE RANGE	580,183,560	275,520,960	309,043,348	386,304,185	-40%
YUMA PROVING GROUND	176,899,440	84,007,040	88,748,835	110,936,044	-32%
USAF					
Atlantic City IAP AGS	1,261,440	599,040	258,912	323,640	46%
BARKSDALE AFB	44,711,040	21,232,640	2,719,516	3,399,395	84%
Barnes MPT	70,080	33,280	208	260	99%

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Range/OPAREA Designation (list from capacity data call)	Max Potential Capacity (Available) (Net NM3 (Column F) X 365 X 24) (NM3/Hrs/yr)	Standard (Annual (NM3/hrs/yr) = Standard Hours/Year (Column J) * Net NM3 (Column F)	Current Usage (Scheduled Nm3/hrs/yr) Net NM3 (Column F) * Actual Scheduled hours (Column L)	SURGE = (Current Usage Scheduled (Column M) * 1.25)	Excess Percent (Col D) - surge (Col N) / (Col F) (%)
AGS					
BEALE AFB	91,524,480	43,463,680	1,461,648	1,827,060	96%
Boise Air Terminal AGS	56,186,640	26,682,240	8,041,194	10,051,493	62%
Bradley IAP AGS	38,211,120	18,145,920	1,182,123	1,477,654	92%
BUCKLEY AFB	243,860,880	115,806,080	12,004,524	15,005,655	87%
CANNON AFB	557,092,200	264,555,200	54,443,331	68,054,164	74%
Capital APT AGS	84,459,540	40,108,640	2,166,029	2,707,536	93%
Carswell ARS	4,038,360	1,917,760	1,248,904	1,561,130	19%
COLUMBUS AFB	141,846,913	67,361,091	18,802,049	23,502,561	65%
Dane County Regional - Truax Field AGS	282,510,000	134,160,000	9,296,939	11,621,174	91%
Dannelly Field AGS	65,472,240	31,091,840	14,200,600	17,750,750	43%
DAVIS-MONTHAN AFB	246,296,160	116,962,560	7,733,440	9,666,800	92%
Des Moines IAP AGS	308,746,200	146,619,200	22,349,240	27,936,550	81%
Duluth IAP AGS	1,601,520,720	760,539,520	-	-	100%
Dyess AFB	154,176,000	73,216,000	43,419,200	54,274,000	26%
Edwards AFB*	2,010,333,416	954,678,883	1,166,307,731	1,457,884,663	-53%
EGLIN AFB	3,738,312,480	1,775,271,680	1,290,244,132	1,612,805,165	9%
EIELSON AFB	2,254,780,200	1,070,763,200	109,296,906	136,621,133	87%
Ellington Field AGS	1,004,316,480	476,935,680	136,536,105	170,670,131	64%
ELLSWORTH AFB	304,865,520	144,776,320	10,554,880	13,193,600	91%
Elmendorf AFB	1,911,686,040	907,832,640	-	-	100%
Fort Smith Regional APT AGS	119,535,456	56,765,696	4,038,967	5,048,709	91%
Fort Wayne IAP AGS	53,760,120	25,529,920	3,302,624	4,128,280	84%
Great Falls IAP AGS	1,111,118,400	527,654,400	80,350,500	100,438,125	81%
Hancock Field AGS	108,878,040	51,704,640	2,997,430	3,746,788	93%
Harrisburg IAP AGS	1,717,573	815,651	-	-	100%
HILL AFB	613,831,596	291,499,936	613,786,657	767,233,322	163%
HOLLOMAN AFB	669,877,200	318,115,200	52,248,770	65,310,963	79%
Hulman Regional APT AGS	57,938,640	27,514,240	3,371,770	4,214,713	85%

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Range/OPAREA Designation (list from capacity data call)	Max Potential Capacity (Available) (Net NM3 (Column F) X 365 X 24) (NM3/Hrs/yr)	Standard (Annual NM3/hrs/yr) = Standard Hours/Year (Column J) * Net NM3 (Column F)	Current Usage (Scheduled Nm3/hrs/yr) Net NM3 (Column F) * Actual Scheduled hours (Column L)	SURGE = (Current Usage Scheduled (Column M) * 1.25)	Excess Percent (Col D) - surge (Col N) / (Col F) (%)
Joe Foss Field AGS	60,444,000	28,704,000	2,760,000	3,450,000	88%
Key Field AGS	129,848,604	61,663,264	1,006,410	1,258,012	98%
KIRTLAND AFB	122,689,932	58,263,712	2,745,117	3,431,397	94%
Klamath Falls IAP AGS	859,180,800	408,012,800	15,891,610	19,864,513	95%
Lambert - St. Louis IAP AGS	255,091,200	121,139,200	17,473,200	21,841,500	82%
Langley AFB	16,258,560	7,720,960	259,008	323,760	96%
LAUGHLIN AFB	93,101,280	44,212,480	34,317,712	42,897,140	3%
Lincoln MAP AGS	40,120,800	19,052,800	-	-	100%
LUKE AFB	672,803,040	319,504,640	231,666,529	289,583,161	9%
McChord AFB	1,508,629,680	716,426,880	236,341,353	295,426,691	59%
MCCONNELL AFB	67,793,640	32,194,240	6,576,190	8,220,238	74%
Moody AFB	192,693,720	91,507,520	43,188,902	53,986,128	41%
MOUNTAIN HOME AFB	401,866,226	190,840,582	122,852,833	153,566,042	20%
NELLIS AFB	780,664,920	370,726,720	188,711,302	235,889,128	36%
OFFUTT AFB	81,012,480	38,471,680	638,112	797,640	98%
Pope AFB	10,608,360	5,037,760	1,226,743	1,533,429	70%
RANDOLPH AFB	97,560,120	46,329,920	28,740,660	35,925,825	22%
Rome Laboratory	436,276,345	207,181,461	-	-	100%
Schriever AFB	14,016	6,656	14,016	17,520	163%
Selfridge ANGB	566,929,680	269,226,880	37,860,854	47,326,068	82%
Seymour Johnson AFB	56,896,200	27,019,200	8,849,345	11,061,681	59%
Shaw AFB	371,607,960	176,471,360	85,602,183	107,002,729	39%
SHEPPARD AFB	157,574,880	74,830,080	48,610,587	60,763,234	19%
Sioux Gateway APT AGS	90,841,200	43,139,200	3,339,140	4,173,925	90%
Springfield-Beckley MPT AGS	168,962,880	80,238,080	37,988,500	47,485,625	41%
Tucson IAP AGS	659,986,985	313,418,477	73,718,818	92,148,522	71%
Tulsa IAP AGS	38,000,880	18,046,080	1,566,018	1,957,523	89%
TYNDALL AFB	71,584,793	33,994,605	9,022,707	11,278,384	67%
VANCE AFB	203,500,932	96,639,712	60,757,748	75,947,185	21%
VANDENBERG AFB	25,044,840	11,893,440	18,240,864	22,801,080	-92%
W. K. Kellogg APT AGS	14,392,680	6,834,880	243,164	303,955	96%
WHITEMAN AFB	187,989,162	89,273,392	3,591,052	4,488,815	95%
USMC					
CG_MAGTF_TR	221,628	105,248	102,754	128,443	-22%

Education & Training Joint Cross-Service Group

Range/OPAREA Designation (list from capacity data call)	Max Potential Capacity (Available) (Net NM3 (Column F) X 365 X 24) (NM3/Hrs/yr)	Standard (Annual NM3/hrs/yr) = Standard Hours/Year (Column J) * Net NM3 (Column F)	Current Usage (Scheduled Nm3/hrs/yr) Net NM3 (Column F) * Actual Scheduled hours (Column L)	SURGE = (Current Usage Scheduled (Column M) * 1.25)	Excess Percent (Col D) - surge (Col N) / (Col F) (%)
NGCOM					
CG_MCAS_CHE RRY_PT	9,563,292	4,541,472	1,511,190	1,888,988	58%
CG_MCB_CAMP LEJEUNE_NC	3,953,914	1,877,658	1,080,349	1,350,437	28%
CG_MCB_CAMP EN	6,156,178	2,923,482	2,820,715	3,525,894	-21%
CG_MCB_QUAN TICO_VA	2,957,376	1,404,416	2,941,171	3,676,464	162%
MCAS_BEAUFO RT_SC	14,223,689	6,754,629	7,989	9,987	100%
MCAS_YUMA_A Z	219,385,440	104,183,040	28,682,407	35,853,009	66%
USN					
COMNAVAIRWA RCENACDIV_PA TUXENT_RIVER_MD	2,193,657,300	1,041,736,800	77,286,013	96,607,517	91%
COMNAVAIRWA RCENWPNDIV_CHINA_LAKE_C A"	1,581,561,148	751,061,002	893,552,553	1,116,940,691	-49%
COMNAVMARIA NAS_GU	520,256	247,062	326,645	408,306	-65%
COMPATRECON WING_FIVE_BR UNSWICK_ME	390,639,060	185,508,960	7,895,136	9,868,920	95%
COMSTRKFIGH TWINGPAC_LE MOORE_CA	49,529,040	23,520,640	2,103,423	2,629,279	89%
FACSFAC_JACK SONVILLE_FL	6,634,061,880	3,150,422,080	880,065,444	1,100,081,805	65%
FACSFAC_SAN DIEGO_CA	33,592,681,560	15,952,688,960	28,257,560,664	35,321,950,830	121%
FACSFAC_VAC APES_OCEANA_VA	7,786,404,840	3,697,653,440	5,531,991,068	6,914,988,835	-87%
NAS New Orleans ARS	698,750,160	331,826,560	97,145,680	121,432,100	63%
NAS_ATLANTA_GA	192,807,600	91,561,600	2,465,120	3,081,400	97%
NAS_CORPUS CHRISTI_TX	632,362,500	300,300,000	-	-	100%
NAS_JRB_FT_W ORTH_TX	22,592,040	10,728,640	9,707,356	12,134,195	-13%

Education & Training Joint Cross-Service Group

Range/OPAREA Designation (list from capacity data call)	Max Potential Capacity (Available) (Net NM3 (Column F) X 365 X 24) (NM3/Hrs/yr)	Standard (Annual NM3/hrs/yr) = Standard Hours/Year (Column J) * Net NM3 (Column F)	Current Usage (Scheduled Nm3/hrs/yr) Net NM3 (Column F) * Actual Scheduled hours (Column L)	SURGE = (Current Usage Scheduled (Column M) * 1.25)	Excess Percent (Col D) - surge (Col N) / (Col F) (%)
NAS_KEY_WEST_FL	2,104,835,280	999,556,480	2,104,835,280	2,631,044,100	163%
NAS_KINGSVILLE_TX	362,077,080	171,945,280	66,418,879	83,023,599	52%
NAS_MERIDIAN_MS	149,060,160	70,786,560	61,972,580	77,465,725	-9%
NAS_PENSACOLA_FL	558,450,000	265,200,000	39,967,020	49,958,775	81%
NAS_WHIDBEY_ISLAND_WA	1,892,028,600	898,497,600	192,638,026	240,797,533	73%
NAS_WHITING_FIELD_MILTON_FL	31,071,720	14,755,520	19,802,901	24,753,626	-68%
NAVAIRWARCE NWPNDIV_PT_MUGU_CA	1,929,039,600	916,073,600	780,424,240	975,530,300	-6%
NAVSTA_PEARL_HARBOR_HI	5,765,595,638	2,737,999,755	205,329,204	256,661,505	91%
NAVSTKAIWARRCEN_FALLON_NV	564,344,604	267,999,264	210,018,654	262,523,318	2%
NAVSURFWARCE DIV_DAHLEGR EN_VA	3,047,604	1,447,264	276,404	345,505	76%
PACMISRANFAC_HAWAREA_BARKING_SANDS_HI	3,042,803,520	1,444,984,320	645,879,656	807,349,570	44%

xv. **Capacity Analysis:** Throughout the capacity analysis process data from Air, Ground, and Sea training arenas had to be re-requested via requests for clarifications. All requests for clarification were ultimately received and updated in the OSD database.

b. **The Range Capacity methodology**, for each of the *T&E and training functions*, required different measures of maximum potential capacity, current capacity and current usage.

i. Range capacity and utilization for the functions of testing and training are dependent upon the following factors:



1

1

Department :
 Scenario File : S:\CYPF\DASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R I really
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 Option Pkg Name: Scenario E&T0046R
 Std Pctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NAS PENSACOLA, FL (N00204)

Total Officer Employees:	886	Base Service (for BOS/Sust):	Navy
Total Enlisted Employees:	2,966	Total Sustainment(\$K/Year):	43,273
Total Student Employees:	4,633	Sustain Payroll (\$K/Year):	430
Total Civilian Employees:	6,129	BOS Non-Payroll (\$K/Year):	76,700
Accomp Mil not Receiving BAH:	19.6%	BOS Payroll (\$K/Year):	62,054
Officer Housing Units Avail:	29	Family Housing (\$K/Year):	9,736
Enlisted Housing Units Avail:	101	Installation PRV(\$K):	2,800,363
Starting Facilities(KSF):	12,138	Svc/Agcy Recap Rate (Years):	114
Officer BAH (\$/Month):	946	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	758		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	0.87		Admits Visits Prescrip
Per Diem Rate (\$/Day):	120	CostFactor	4,765.00 99.00 32.38
Freight Cost (\$/Ton/Mile):	0.29	Actv MTF	1,945 126,360 141,617
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	104 7,378
Latitude:	30.351100	Retiree	850 76,030 292,442
Longitude:	-87.274900	Retiree65+	652 33,910 344,578

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: Moody AFB, GA (QSEU)

	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	1,088	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%

Department :
 Scenario File : S:\CYPF\DASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R I really
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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: Columbus AFB, MS (EEPZ)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	79	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):	318	200	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	731	731	731	731
Misc Recurring Save(\$K):	0	1,038	1,038	1,038	1,038	1,038
One-Time IT Costs (\$K):	0	88	144	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:	Hospital Fac ShDn(KSF):			0	FH ShDn:	0.000%

Name: Laughlin AFB, TX (MXDP)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	640	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):	318	200	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	1,038	1,038	1,038	1,038	1,038
One-Time IT Costs (\$K):	0	176	334	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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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: Randolph AFB, TX (TYMX)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	7,600	0	0	0	0
1-Time Unique Save (\$K):	0	0	0	0	0	0
1-Time Moving Cost (\$K):	0	1,929	0	0	0	0
1-Time Moving Save (\$K):	180	112	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):						
FH ShDn: 0.000%						

Name: Sheppard AFB, TX (VNVP)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	0	0	0	0	0
Time Unique Save (\$K):	0	0	0	0	0	0
Time Moving Cost (\$K):	0	0	0	0	0	0
Time Moving Save (\$K):	280	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):						
FH ShDn: 0.000%						

Department :
 Scenario File : S:\CYPF\DASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R I really
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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: Vance AFB, OK (XTLF)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	7,736	46	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 Req'd(\$K):	313	196	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	695	695	695	695
Misc Recurring Save(\$K):	0	1,038	1,038	1,038	1,038	1,038
One-Time IT Costs (\$K):	0	176	129	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%

Name: NAS PENSACOLA, FL (N00204)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	0	0	0	0	0
Time Unique Save (\$K):	0	0	0	0	0	0
Time Moving Cost (\$K):	0	0	0	0	0	0
1-Time Moving Save (\$K):	0	0	0	0	0	0
Env Non-MilCon Req'd(\$K):	0	185	5	5	5	5
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	1,265	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%

Department :
 Scenario File : S:\CYPF\DASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R I really
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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: Moody AFB, GA (QSEU)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	-2	0	0	0
Enl Scenario Change:	0	0	-165	0	0	0
Civ Scenario Change:	0	0	-13	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: Columbus AFB, MS (EEPZ)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	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: Laughlin AFB, TX (MXDP)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	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: Randolph AFB, TX (TYMX)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	-3	0	0	0
Enl Scenario Change:	0	0	-19	0	0	0
Civ Scenario Change:	0	0	-17	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%

Department :
 Scenario File : S:\CYPF\DASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R I really
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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: Sheppard AFB, TX (VNVP)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	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: Vance AFB, OK (XTLF)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	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: NAS PENSACOLA, FL (N00204)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	0	0	0	0	0
Off Prog nonBRAC Change:	-1	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:	0%	0%	0%	0%	0%	0%

INPUT SCREEN SEVEN - BASE MILITARY CONSTRUCTION INFORMATION

Name: Columbus AFB, MS (EEPZ)

FAC	UM	New MilCon	Rehab MilCon	TotCost(\$K)	FPG Con CF	FPG Sust CF
1131	SY	3,600	0 Default	394	94.44	0.90
1721	SF	0	19,000 Default	1,155	184.67	5.31

Department :
 Scenario File : S:\CYPF\DASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R I really
 ve\COBRA 6.10 Update Env with IG Changes\E&T0046R COBRA VERS 6.10 5 May 05.CBR
 Option Pkg Name: Scenario E&T0046R
 Std Pctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN SEVEN - BASE MILITARY CONSTRUCTION INFORMATION

Name: Laughlin AFB, TX (MXDP)

FAC	UM	New MilCon	Rehab MilCon	TotCost(\$K)	FPG Con CF	FPG Sust CF
1131	SY	4,200	0 Default	513	94.44	0.90
6100	SF	3,097	0 Default	566	138.78	2.52
1721	SF	0	19,000 Default	1,289	184.67	5.31

Name: Randolph AFB, TX (TYMX)

FAC	UM	New MilCon	Rehab MilCon	TotCost(\$K)	FPG Con CF	FPG Sust CF
1131	SY	7,800	0 Default	985	94.44	0.90
1721	SF	0	19,000 Default	1,333	184.67	5.31

Name: Sheppard AFB, TX (VNVP)

FAC	UM	New MilCon	Rehab MilCon	TotCost(\$K)	FPG Con CF	FPG Sust CF
1131	SY	1,200	0 Default	157	94.44	0.90

Name: Vance AFB, OK (XTLF)

FAC	UM	New MilCon	Rehab MilCon	TotCost(\$K)	FPG Con CF	FPG Sust CF
1131	SY	3,600	0 Default	465	94.44	0.90
00	SF	2,244	0 Default	434	138.78	2.52
21	SF	0	19,000 Default	1,363	184.67	5.31

Name: NAS PENSACOLA, FL (N00204)

FAC	UM	New MilCon	Rehab MilCon	TotCost(\$K)	FPG Con CF	FPG Sust CF
2111	SF	24,000	0 Default	0	196.52	2.03
2111	SF	15,000	0 Default	0	196.52	2.03
1444	SF	15,000	0 Default	0	180.06	4.26
1712	SF	37,000	0 Default	0	175.25	2.71
1721	SF	0	18,000 Amber	0	184.67	5.31
1404	SF	1,000	0 Default	0	182.60	4.40
1721	SF	4,000	0 Default	0	184.67	5.31
1131	SY	11,555	0 Default	0	94.44	0.90
2184	SF	400	0 Default	0	159.65	3.49
2116	SF	12,000	0 Default	0	169.17	2.43
2118	EA	1	0 Default	0	1,893,833.89	21,683.16
6100	SF	0	6,074 Amber	0	138.78	2.52
2111	SF	0	2,307 Amber	0	196.52	2.03

Department :
 Scenario File : S:\CYPP\DASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R I really
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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

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%		

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/Reain) (\$/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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Option Pkg Name: Scenario E&T0046R
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FOOTNOTES FOR SCREEN ONE

=====
This scenario realigned Air Force Primary Undergraduate Pilot Training and Introduction to Fighter Fundamentals Pilot Training out of Moody AFB to a combination of Columbus AFB, Laughlin AFB, Randolph AFB, Sheppard AFB, and Vance AFB. It also realigns Air Force Navigator/Combat System Officer flight training from Randolph AFB to NAS Pensacola.

FOOTNOTES FOR SCREEN TWO

=====
Distance computed by COBRA model

FOOTNOTES FOR SCREEN THREE

=====
Realign high number of Enlisted and Civilian personnel (who are aircraft maintainers) at Moody AFB to Laughlin AFB because there is no contract maintenance at Laughlin AFB.

Realign high number of Enlisted and Civilian personnel (who are aircraft maintainers) at Moody AFB to Randolph AFB because there is no contract maintenance at Randolph AFB.

Realign high number of Enlisted and Civilian personnel (who are aircraft maintainers) at Randolph AFB to NAS Pensacola because there is no contract maintenance at NAS Pensacola for USAF aircraft.

FOOTNOTES FOR SCREEN FOUR

=====
Moody APB: Added 180 students to static database (which reported 0 students) to correct error in COBRA report. Scenario moves 180 students out of Moody AFB.

Randolph AFB: Added 24 to the student total at Randolph AFB (which reported 305) to correct error in COBRA error report. Scenario moves 329 students out of Randolph AFB.

per COBRA guidance for JCSG scenarios, disabled Homeowners Assistance Program (HAP) option for Moody AFB, Columbus AFB, Laughlin AFB, Sheppard AFB, Vance AFB, and NAS Pensacola

All other data came from COBRA database

FOOTNOTES FOR SCREEN FIVE

=====
Moody APB:

- AF/ILG: \$1088 one-time moving cost**
- \$488K: Movement cost for 2 T-38s and 1 T-6 set of OFT/IFT/UTDs (trainers/simulators) to Columbus
- \$480K: Movement cost for 2 T-38s and 1 T-6 set of OFT/IFT/UTDs to Laughlin
- \$120K: Movement cost for 1 T-6 set of OFT/IFT/UTDs (to Vance)

AF/ILE: Env Non-MILCON Required: Costs TBD when Criterion 8 analysis is requested and completed.

Columbus AFB:

- AF/ILE: One-time unique cost \$79K for MFH privatization
AF/ILC: \$144K - IT item (phones, STEs, PCs, wireless & LMRs) costs for a 101-person gain
AF/ILC: \$88K - IT infrastructure cost to connect 1 new facility to existing IT backbone (includes cost of a server upgrade)

Misc. Recurring Savings (\$K):
- \$1038 Savings as a result of the elimination of flight training PCS and TDY costs.

Misc. Recurring Costs (\$K):
- \$731.27 Contract Maintenance Increase due to mission move from an in-house base to a contracted

Department :

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base for Contracted Logistic Support (CLS).

Env Non-MILCON Required:

- AF/ILE: \$318K in 2006 for NEPA Costs, \$200K in 2007 for Waste Program (\$100K) & Air Permit Revision (\$100K).

Laughlin AFB:

One-time unique costs: AF/ILE:

- \$320K: CASS island equipment purchase
- \$320K: MFH privatization

One-Time IT costs (\$K): AF/ILC:

- \$176 IT infrastructure cost to connect 2 new facilities to existing IT backbone
- \$334 IT item (phones, STEs, PCs, wireless & LMRs) costs for a 180 person gain

Misc. Recurring Savings (\$K):

\$1038 Savings as a result of the elimination of flight training PCS and TDY costs.

Env Non-MILCON Required:

- AF/ILE: \$318K in 2006 for NEPA Costs, \$200K in 2007 for Waste Program (\$100K) & Air Permit Revision (\$100K).

Randolph AFB

One-time unique costs (\$K):

- \$7,600 - AF/ILE: Procurement of 2 T-38 WSTs

One-Time Moving Costs (\$K)

\$1929 - AF/ILG: NAV/EWO simulator data trans cost

Env Non-MILCON Required:

- AF/ILE: \$180K in 2006 for NEPA Costs, \$112K in 2007 for Waste Program (\$56K) & Air Permit Revision (\$56K).

Sheppard AFB

Env Non-MILCON Required:

- AF/ILE: \$280K in 2006 NEPA Costs.

Misc. Recurring Savings (\$K):

- \$1038 Savings as a result of the elimination of flight training PCS and TDY costs.

Misc. Recurring Costs (\$K):

- \$898.19 Contract Maintenance Increase due to mission move from an in-house base to a contracted base for CLS.

Vance AFB

One-time unique costs (\$K):

- \$7,736 - AF/IL: \$7,600 Procurement of 2 T-38 WST, \$136 MFH privatization
- \$46 - AF/ILE: System Furniture costs from the HISTORICAL CONSTRUCTION COST HANDBOOK
FEB 2004-SUPPORTING FACs. (Used \$46 because this was the Air Force entry although comments cites \$58)

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Env Non-MILCON Required:
 - AF/ILE: \$313K in 2006 for NEPA Costs, \$198K in 2007 for Waste Program (\$98K) & Air Permit Revision (\$98K).

Misc. Recurring Costs (\$K):
 - \$694.84 Contract Maintenance Increase due to mission move from an in house base to a contracted base for CLS.

Misc. Recurring Savings (\$K):
 - \$1038 Savings as a result of the elimination of flight training PCS and TDY costs.

One-Time IT costs (\$K): AF/ILC:
 - \$176 IT infrastructure cost to connect 2 new facilities to existing IT backbone
 - \$129 IT item (phones, STEs, PCs, wireless & LMRs) costs for a 92-person gain

Construction Schedule: COBRA run with "Auto Time Phase" selected in Screen One. This directs the model to calculate the construction schedule based on the percentage of personnel moving in the next year. Selection of the Auto Time Phase option disallows input to the Constructon Schedule on Screen Five.

NAS Pensacola

One-Time IT Costs:

New CSO Academic Construction - Installation of Fiber optics	\$30	
Bldg 3813 Ouside Plant Installation for Voice Comm	\$59.4	
Bldg 3813 Installation of Fiber optics		\$49.5
Bldg 3813 Phone system procurement and install		\$16.344
Bldg 1853 Inside Plant Installation for Voice Comm		\$4.5
Bldg 1853 Installation of riser cable		\$11
Bldg 1853 Phone system procurement and install	22.935	
Squadron Ops and aircraft maint - Inside Plant Installation for Voice Comm	25.425	
Squadron Ops and aircraft maint - Ouside Plant Installation for Voice Comm	124	
Squadron Ops and aircraft maint - Installation of Fiber optics	60	
Squadron Ops and aircraft maint - Phone system procurement and install	95.393	
Squadron Ops and aircraft maint - Non-NMCI Equipment	135.6	
Bldg 3813 Inside Plant Installation for Voice Comm	2.25	
New CSO Academic Construction - Ouside Plant Installation for Voice Comm	62	
COMBS Facility - Phone system procurement and install	16.344	
New CSO Academic Construction - Phone system procurement and install	95.393	
New CSO Academic Construction - SIPRNET and SCIF LAN Infrastructure	35	
New CSO Academic Construction - TACLAN procurement and install	35	
New CSO Academic Construction - Non NMCI	135.6	
Construction to Bldg 3480 for Simulators - Inside Plant Installation for Voice Comm		8.55
Construction to Bldg 3480 for Simulators - Ouside Plant Installation for Voice Comm		63
Construction to Bldg 3480 for Simulators - Phone system procurement and install		41.034
New construction to Bldg 3260 - Install of analog phone for emergencies	0.5	
COMBS Facility - Inside Plant Installation for Voice Comm	2.25	
COMBS Facility - Ouside Plant Installation for Voice Comm	59.4	
COMBS Facility - Installation of Fiber optics	49.5	
New CSO Academic Construction - Inside Plant Installation for Voice Comm	25.425	

FOOTNOTES FOR SCREEN SIX

Eliminated positions at Moody AFB and Randolph AFB provided by USAF

Air Force confirmed that 100% housing privatization indentified in Screen Six is correct. For some reason, the input shows as a "1" in the COBRA Scenario Data Call spreadsheet.

Department :
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FOOTNOTES FOR SCREEN SEVEN

=====

Air Force provided costs for all MILCON projects at air force bases.
Navy provided MILCON requirements, COBRA calculated costs.

Columbus AFB: Disallowed the request for new Recreation Center (1,914 sq. ft.) based on the small number of military personnel relocating to Columbus AFB.

Laughlin AFB: Disallowed the request for a new Recreation Center (1,927 sq. ft.) based on the small number of military personnel relocating to Laughlin AFB.

Vance AFB: Disallowed the request for a new Recreation Center (1,763 sq. ft.) based on the small number of military personnel relocating to Vance AFB.

NAS Pensacola: MILCON requirements based on USAF site survey 08 Mar 2004.

COBRA ECONOMIC IMPACT REPORT (COBRA v6.10)

Data As Of 5/5/2005 10:07:15 AM, Report Created 5/5/2005 10:28:33 AM

Department :

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Option Pkg Name: Scenario E&T0046R

Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Moody AFB, GA (QSEU)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	0	0	0	0	0
Jobs Lost-Mil	0	0	377	0	0	0	377
NET CHANGE-Mil	0	0	-377	0	0	0	-377
Jobs Gained-Civ	0	0	0	0	0	0	0
Jobs Lost-Civ	0	0	145	0	0	0	145
NET CHANGE-Civ	0	0	-145	0	0	0	-145
Jobs Gained-Stu	0	0	0	0	0	0	0
Jobs Lost-Stu	0	0	180	0	0	0	180
NET CHANGE-Stu	0	0	-180	0	0	0	-180

Columbus AFB, MS (EEPZ)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	55	0	0	0	55
Jobs Lost-Mil	0	0	0	0	0	0	0
NET CHANGE-Mil	0	0	55	0	0	0	55
Jobs Gained-Civ	0	0	3	0	0	0	3
Jobs Lost-Civ	0	0	0	0	0	0	0
NET CHANGE-Civ	0	0	3	0	0	0	3
Jobs Gained-Stu	0	0	45	0	0	0	45
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	45	0	0	0	45

Laughlin AFB, TX (MXDP)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	53	0	0	0	53
Jobs Lost-Mil	0	0	0	0	0	0	0
NET CHANGE-Mil	0	0	53	0	0	0	53
Jobs Gained-Civ	0	0	80	0	0	0	80
Jobs Lost-Civ	0	0	0	0	0	0	0
NET CHANGE-Civ	0	0	80	0	0	0	80
Jobs Gained-Stu	0	0	45	0	0	0	45
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	45	0	0	0	45

Randolph AFB, TX (TYMX)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	29	0	0	0	29
Jobs Lost-Mil	0	0	172	0	0	0	172
NET CHANGE-Mil	0	0	-143	0	0	0	-143
Jobs Gained-Civ	0	0	41	0	0	0	41
Jobs Lost-Civ	0	0	140	0	0	0	140
NET CHANGE-Civ	0	0	-99	0	0	0	-99
Jobs Gained-Stu	0	0	23	0	0	0	23
Jobs Lost-Stu	0	0	352	0	0	0	352
NET CHANGE-Stu	0	0	-329	0	0	0	-329

Department :
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Sheppard AFB, TX (VNVP)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	26	0	0	0	26
Jobs Lost-Mil	0	0	0	0	0	0	0
NET CHANGE-Mil	0	0	26	0	0	0	26
Jobs Gained-Civ	0	0	2	0	0	0	2
Jobs Lost-Civ	0	0	0	0	0	0	0
NET CHANGE-Civ	0	0	2	0	0	0	2
Jobs Gained-Stu	0	0	25	0	0	0	25
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	25	0	0	0	25

Vance AFB, OK (XTLF)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	47	0	0	0	47
Jobs Lost-Mil	0	0	0	0	0	0	0
NET CHANGE-Mil	0	0	47	0	0	0	47
Jobs Gained-Civ	0	0	6	0	0	0	6
Jobs Lost-Civ	0	0	0	0	0	0	0
NET CHANGE-Civ	0	0	6	0	0	0	6
Jobs Gained-Stu	0	0	42	0	0	0	42
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	42	0	0	0	42

NAS PENSACOLA, FL (N00204)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	150	0	0	0	150
Jobs Lost-Mil	0	0	0	0	0	0	0
NET CHANGE-Mil	0	0	150	0	0	0	150
Jobs Gained-Civ	0	0	123	0	0	0	123
Jobs Lost-Civ	0	0	0	0	0	0	0
NET CHANGE-Civ	0	0	123	0	0	0	123
Jobs Gained-Stu	0	0	352	0	0	0	352
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	352	0	0	0	352

SCENARIO ERROR REPORT (COBRA v6.10)

Data As Of 5/5/2005 10:07:15 AM, Report Created 5/5/2005 10:28:31 AM

Department :

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ption Pkg Name: Scenario E&T0046R
Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

SCENARIO DATA:

No Department was specified for this scenario.

Columbus AFB's Sustainment Non-Payroll (Total Sust-Sust Pay) is -1525K

Department :

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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SPF

Base: NAS PENSACOLA, FL (N00204)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
Regular Retirement*	1.67%	0	0	0	0	0	0
Civilian Turnover*	9.16%	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0
Civilian Positions Available		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
Regular Retirement	1.67%	0	0	0	0	0	0
Civilian Turnover	9.16%	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0
Priority Placement#	39.97%	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN	0	0	123	0	0	0	123
Civilians Moving		0	99	0	0	0	99
New Civilians Hired		0	24	0	0	0	24
Other Civilian Additions		0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	24	0	0	24

* 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) - Page 1/3
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Department :
 Scenario File : S:\CYPF\DASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R I really
 live\COBRA 6.10 Update Env with IG Changes\E&T0046R COBRA VERS 6.10 5 May 05.CBR
 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Base: Moody AFB, GA (QSEU)

Year	Pers Moved In/Added		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
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%	702	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%	702	100.00%	100.00%

Base: Columbus AFB, MS (EEPZ)

Year	Pers Moved In/Added		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
2006	0	0.00%	0.00%	0	0.00%	16.67%
2007	0	0.00%	100.00%	0	0.00%	16.67%
2008	103	100.00%	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	103	100.00%	100.00%	0	0.00%	100.00%

Base: Laughlin AFB, TX (MXDP)

Year	Pers Moved In/Added		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
2006	0	0.00%	0.00%	0	0.00%	16.67%
2007	0	0.00%	100.00%	0	0.00%	16.67%
2008	178	100.00%	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	178	100.00%	100.00%	0	0.00%	100.00%

Department :
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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Base: Randolph AFB, TX (TYMX)

Year	Pers Moved In/Added		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
2006	0	0.00%	0.00%	0	0.00%	0.00%
2007	0	0.00%	100.00%	0	0.00%	0.00%
2008	93	100.00%	0.00%	664	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	93	100.00%	100.00%	664	100.00%	100.00%

Base: Sheppard AFB, TX (VNVP)

Year	Pers Moved In/Added		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
2006	0	0.00%	0.00%	0	0.00%	16.67%
2007	0	0.00%	100.00%	0	0.00%	16.67%
2008	53	100.00%	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	53	100.00%	100.00%	0	0.00%	100.00%

Base: Vance AFB, OK (XTLF)

Year	Pers Moved In/Added		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
2006	0	0.00%	0.00%	0	0.00%	16.67%
2007	0	0.00%	100.00%	0	0.00%	16.67%
2008	95	100.00%	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	95	100.00%	100.00%	0	0.00%	100.00%

Department :

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 Option Pkg Name: Scenario E&T0046R
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Base: NAS PENSACOLA, FL (N00204)

Year	Pers Moved In/Added		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
2006	0	0.00%	0.00%	0	0.00%	16.67%
2007	0	0.00%	100.00%	0	0.00%	16.67%
2008	625	100.00%	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	625	100.00%	100.00%	0	0.00%	100.00%

COBRA TOTAL PERSONNEL SUMMARY REPORT (COBRA v6.10)

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Department :

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Option Pkg Name: Scenario E&T0046R

Std Pctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

TOTAL SCENARIO POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
4,371	12,323	10,524	14,753

TOTAL PROGRAMMED INSTALLATION (NON BRAC) CHANGES, ENTIRE SCENARIO:

	2006	2007	2008	2009	2010	2011	Total
Officers	-1	0	0	0	0	0	1
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	0	0	0	0	0	0
TOTAL	-1	0	0	0	0	0	1

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

Officers	Enlisted	Students	Civilians
4,370	12,323	10,524	14,753

TOTAL PERSONNEL REALIGNMENTS, ENTIRE SCENARIO):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	299	0	0	0	299
Enlisted	0	0	61	0	0	0	61
Students	0	0	532	0	0	0	532
Civilians	0	0	255	0	0	0	255
TOTAL	0	0	1,147	0	0	0	1,147

TOTAL SCENARIO POSITION CHANGES, ENTIRE SCENARIO:

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	-5	0	0	0	-5
Enlisted	0	0	-184	0	0	0	-184
Civilians	0	0	-30	0	0	0	-30
TOTAL	0	0	-219	0	0	0	-219

TOTAL SCENARIO POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
4,365	12,139	10,524	14,723

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 Option Pkg Name: Scenario E&T0046R
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PERSONNEL SUMMARY FOR: Moody AFB, GA (QSEU)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: Moody AFB, GA (QSEU)

Officers	Enlisted	Students	Civilians
534	3,122	180	406

PERSONNEL REALIGNMENTS:

To Base: Columbus AFB, MS (EEPZ)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	45	0	0	0	45
Enlisted	0	0	10	0	0	0	10
Students	0	0	45	0	0	0	45
Civilians	0	0	3	0	0	0	3
TOTAL	0	0	103	0	0	0	103

To Base: Laughlin AFB, TX (MXDP)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	44	0	0	0	44
Enlisted	0	0	9	0	0	0	9
Students	0	0	45	0	0	0	45
Civilians	0	0	80	0	0	0	80
TOTAL	0	0	178	0	0	0	178

To Base: Randolph AFB, TX (TYMX)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	27	0	0	0	27
Enlisted	0	0	2	0	0	0	2
Students	0	0	23	0	0	0	23
Civilians	0	0	41	0	0	0	41
TOTAL	0	0	93	0	0	0	93

To Base: Sheppard AFB, TX (VNVP)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	21	0	0	0	21
Enlisted	0	0	5	0	0	0	5
Students	0	0	25	0	0	0	25
Civilians	0	0	2	0	0	0	2
TOTAL	0	0	53	0	0	0	53

To Base: Vance AFB, OK (XTLF)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	41	0	0	0	41
Enlisted	0	0	6	0	0	0	6
Students	0	0	42	0	0	0	42
Civilians	0	0	6	0	0	0	6
TOTAL	0	0	95	0	0	0	95

TOTAL PERSONNEL REALIGNMENTS (Out of Moody AFB, GA (QSEU)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	178	0	0	0	178
Enlisted	0	0	32	0	0	0	32
Students	0	0	180	0	0	0	180
Civilians	0	0	132	0	0	0	132
TOTAL	0	0	522	0	0	0	522

Department :
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 Option Pkg Name: Scenario E&T0046R
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SCENARIO POSITION CHANGES FOR: Moody AFB, GA (QSEU)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	-2	0	0	0	-2
Enlisted	0	0	-165	0	0	0	-165
Civilians	0	0	-13	0	0	0	-13
TOTAL	0	0	-180	0	0	0	-180

BASE POPULATION (After BRAC Action) FOR: Moody AFB, GA (QSEU)

Officers	Enlisted	Students	Civilians
354	2,925	0	261

PERSONNEL SUMMARY FOR: Columbus AFB, MS (EEPZ)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: Columbus AFB, MS (EEPZ)

Officers	Enlisted	Students	Civilians
407	541	345	486

PERSONNEL REALIGNMENTS:

From Base: Moody AFB, GA (QSEU)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	45	0	0	0	45
Enlisted	0	0	10	0	0	0	10
Students	0	0	45	0	0	0	45
Civilians	0	0	3	0	0	0	3
TOTAL	0	0	103	0	0	0	103

TOTAL PERSONNEL REALIGNMENTS (Into Columbus AFB, MS (EEPZ)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	45	0	0	0	45
Enlisted	0	0	10	0	0	0	10
Students	0	0	45	0	0	0	45
Civilians	0	0	3	0	0	0	3
TOTAL	0	0	103	0	0	0	103

BASE POPULATION (After BRAC Action) FOR: Columbus AFB, MS (EEPZ)

Officers	Enlisted	Students	Civilians
452	551	390	489

PERSONNEL SUMMARY FOR: Laughlin AFB, TX (MXDP)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: Laughlin AFB, TX (MXDP)

Officers	Enlisted	Students	Civilians
394	527	359	941

PERSONNEL REALIGNMENTS:

From Base: Moody AFB, GA (QSEU)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	44	0	0	0	44
Enlisted	0	0	9	0	0	0	9
Students	0	0	45	0	0	0	45
Civilians	0	0	80	0	0	0	80
TOTAL	0	0	178	0	0	0	178

Department :
 Scenario File : S:\CYPF\DASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R I really
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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

TOTAL PERSONNEL REALIGNMENTS (Into Laughlin AFB, TX (MXDP)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	44	0	0	0	44
Enlisted	0	0	9	0	0	0	9
Students	0	0	45	0	0	0	45
Civilians	0	0	80	0	0	0	80
TOTAL	0	0	178	0	0	0	178

BASE POPULATION (After BRAC Action) FOR: Laughlin AFB, TX (MXDP)

Officers	Enlisted	Students	Civilians
438	536	404	1,021

PERSONNEL SUMMARY FOR: Randolph AFB, TX (TYMX)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: Randolph AFB, TX (TYMX)

Officers	Enlisted	Students	Civilians
1,274	1,941	329	5,284

PERSONNEL REALIGNMENTS:
 To Base: NAS PENSACOLA, FL (N00204)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	121	0	0	0	121
Enlisted	0	0	29	0	0	0	29
Students	0	0	352	0	0	0	352
Civilians	0	0	123	0	0	0	123
TOTAL	0	0	625	0	0	0	625

From Base: Moody AFB, GA (QSEU)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	27	0	0	0	27
Enlisted	0	0	2	0	0	0	2
Students	0	0	23	0	0	0	23
Civilians	0	0	41	0	0	0	41
TOTAL	0	0	93	0	0	0	93

TOTAL PERSONNEL REALIGNMENTS (Out of Randolph AFB, TX (TYMX)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	121	0	0	0	121
Enlisted	0	0	29	0	0	0	29
Students	0	0	352	0	0	0	352
Civilians	0	0	123	0	0	0	123
TOTAL	0	0	625	0	0	0	625

TOTAL PERSONNEL REALIGNMENTS (Into Randolph AFB, TX (TYMX)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	27	0	0	0	27
Enlisted	0	0	2	0	0	0	2
Students	0	0	23	0	0	0	23
Civilians	0	0	41	0	0	0	41
TOTAL	0	0	93	0	0	0	93

SCENARIO POSITION CHANGES FOR: Randolph AFB, TX (TYMX)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	-3	0	0	0	-3
Enlisted	0	0	-19	0	0	0	-19
Civilians	0	0	-17	0	0	0	-17
TOTAL	0	0	-39	0	0	0	-39

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BASE POPULATION (After BRAC Action) FOR: Randolph AFB, TX (TYMX)

Officers	Enlisted	Students	Civilians
1,177	1,895	0	5,185

PERSONNEL SUMMARY FOR: Sheppard AFB, TX (VNVP)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: Sheppard AFB, TX (VNVP)

Officers	Enlisted	Students	Civilians
556	2,841	4,339	1,387

PERSONNEL REALIGNMENTS:

From Base: Moody AFB, GA (QSEU)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	21	0	0	0	21
Enlisted	0	0	5	0	0	0	5
Students	0	0	25	0	0	0	25
Civilians	0	0	2	0	0	0	2
TOTAL	0	0	53	0	0	0	53

TOTAL PERSONNEL REALIGNMENTS (Into Sheppard AFB, TX (VNVP)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	21	0	0	0	21
Enlisted	0	0	5	0	0	0	5
Students	0	0	25	0	0	0	25
Civilians	0	0	2	0	0	0	2
TOTAL	0	0	53	0	0	0	53

BASE POPULATION (After BRAC Action) FOR: Sheppard AFB, TX (VNVP)

Officers	Enlisted	Students	Civilians
577	2,846	4,364	1,389

PERSONNEL SUMMARY FOR: Vance AFB, OK (XTLF)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: Vance AFB, OK (XTLF)

Officers	Enlisted	Students	Civilians
320	385	339	120

PERSONNEL REALIGNMENTS:

From Base: Moody AFB, GA (QSEU)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	41	0	0	0	41
Enlisted	0	0	6	0	0	0	6
Students	0	0	42	0	0	0	42
Civilians	0	0	6	0	0	0	6
TOTAL	0	0	95	0	0	0	95

TOTAL PERSONNEL REALIGNMENTS (Into Vance AFB, OK (XTLF)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	41	0	0	0	41
Enlisted	0	0	6	0	0	0	6
Students	0	0	42	0	0	0	42
Civilians	0	0	6	0	0	0	6
TOTAL	0	0	95	0	0	0	95

Department :
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BASE POPULATION (After BRAC Action) FOR: Vance AFB, OK (XTLF)

Officers	Enlisted	Students	Civilians
361	391	381	126

PERSONNEL SUMMARY FOR: NAS PENSACOLA, FL (N00204)

BASE POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
886	2,966	4,633	6,129

PROGRAMMED INSTALLATION (NON-BRAC) CHANGES FOR: NAS PENSACOLA, FL (N00204)

	2006	2007	2008	2009	2010	2011	Total
Officers	-1	0	0	0	0	0	-1
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	0	0	0	0	0	0
TOTAL	-1	0	0	0	0	0	-1

BASE POPULATION (Prior to BRAC Action) FOR: NAS PENSACOLA, FL (N00204)

Officers	Enlisted	Students	Civilians
885	2,966	4,633	6,129

PERSONNEL REALIGNMENTS:

From Base: Randolph AFB, TX (TYMX)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	121	0	0	0	121
Enlisted	0	0	29	0	0	0	29
Students	0	0	352	0	0	0	352
Civilians	0	0	123	0	0	0	123
TOTAL	0	0	625	0	0	0	625

TOTAL PERSONNEL REALIGNMENTS (Into NAS PENSACOLA, FL (N00204)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	121	0	0	0	121
Enlisted	0	0	29	0	0	0	29
Students	0	0	352	0	0	0	352
Civilians	0	0	123	0	0	0	123
TOTAL	0	0	625	0	0	0	625

BASE POPULATION (After BRAC Action) FOR: NAS PENSACOLA, FL (N00204)

Officers	Enlisted	Students	Civilians
1,006	2,995	4,985	6,252

COBRA SUSTAINMENT/RECAP/BOS/HOUSING CHANGE REPORT (COBRA v6.10)
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Net Change(\$K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	283	283	283	283	283	1,417	283
Recap Change	0	266	266	266	266	266	1,331	266
BOS Change	0	0	-105	-105	-105	-105	-422	-105
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	550	444	444	444	444	2,326	444

Moody AFB, GA (QSEU)

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	0	0	-1,464	-1,464	-1,464	-1,464	-5,857	-1,464
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	0	-1,464	-1,464	-1,464	-1,464	-5,857	-1,464

Columbus AFB, MS (EEPZ)

Net Change(\$K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	-0	-0	-0	-0	-0	-0	-0
Recap Change	0	13	13	13	13	13	64	13
BOS Change	0	0	259	259	259	259	1,038	259
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	13	272	272	272	272	1,102	272

Laughlin AFB, TX (MXDP)

Net Change(\$K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	8	8	8	8	8	39	8
Recap Change	0	19	19	19	19	19	98	19
BOS Change	0	0	547	547	547	547	2,187	547
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	27	574	574	574	574	2,324	574

Randolph AFB, TX (TYMX)

Net Change(\$K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	2	2	2	2	2	9	2
Recap Change	0	19	19	19	19	19	96	19
BOS Change	0	0	-2,200	-2,200	-2,200	-2,200	-8,802	-2,200
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	21	-2,179	-2,179	-2,179	-2,179	-8,697	-2,179

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Sheppard AFB, TX (VNVP)								
Net Change(\$K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	1	1	1	1	1	3	1
Recap Change	0	1	1	1	1	1	6	1
BOS Change	0	0	185	185	185	185	740	185
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	2	187	187	187	187	750	187

Vance AFB, OK (XTLF)								
Net Change(\$K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	7	7	7	7	7	38	7
Recap Change	0	19	19	19	19	19	93	19
BOS Change	0	0	527	527	527	527	2,109	527
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	26	553	553	553	553	2,240	553

NAS PENSACOLA, FL (N00204)								
Net Change(\$K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	266	266	266	266	266	1,328	266
Recap Change	0	195	195	195	195	195	974	195
BOS Change	0	0	2,040	2,040	2,040	2,040	8,162	2,040
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	460	2,501	2,501	2,501	2,501	10,464	2,501

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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:
Moody AFB, GA (QSEU)	Realignment
Columbus AFB, MS (EEPZ)	Realignment
Laughlin AFB, TX (MXDP)	Realignment
Randolph AFB, TX (TYMX)	Realignment
Sheppard AFB, TX (VNVP)	Realignment
Vance AFB, OK (XTLF)	Realignment
NAS PENSACOLA, FL (N00204)	Realignment

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

Point A:	Point B:	Distance:
Moody AFB, GA (QSEU)	Columbus AFB, MS (EEPZ)	410 mi
Moody AFB, GA (QSEU)	Laughlin AFB, TX (MXDP)	1,155 mi
Moody AFB, GA (QSEU)	Randolph AFB, TX (TYMX)	970 mi
Moody AFB, GA (QSEU)	Sheppard AFB, TX (VNVP)	1,023 mi
Moody AFB, GA (QSEU)	Vance AFB, OK (XTLF)	1,056 mi
Randolph AFB, TX (TYMX)	NAS PENSACOLA, FL (N00204)	715 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from Moody AFB, GA (QSEU) to Columbus AFB, MS (EEPZ)

	2006	2007	2008	2009	2010	2011
Officer Positions:	0	0	45	0	0	0
Enlisted Positions:	0	0	10	0	0	0
Civilian Positions:	0	0	3	0	0	0
Student Positions:	0	0	45	0	0	0
NonVeh Missn Eqpt(tons):	0	0	40	0	0	0
Suppt Eqpt (tons):	0	0	27	0	0	0
Military Light Vehicles:	0	0	1	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

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INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from Moody AFB, GA (QSEU) to Laughlin AFB, TX (MXDP)

	2006	2007	2008	2009	2010	2011
Officer Positions:	0	0	44	0	0	0
Enlisted Positions:	0	0	9	0	0	0
Civilian Positions:	0	0	80	0	0	0
Student Positions:	0	0	45	0	0	0
NonVeh Missn Eqpt(tons):	0	0	48	0	0	0
Suppt Eqpt (tons):	0	0	19	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	1	0	0	0

Transfers from Moody AFB, GA (QSEU) to Randolph AFB, TX (TYMX)

	2006	2007	2008	2009	2010	2011
Officer Positions:	0	0	27	0	0	0
Enlisted Positions:	0	0	2	0	0	0
Civilian Positions:	0	0	41	0	0	0
Student Positions:	0	0	23	0	0	0
NonVeh Missn Eqpt(tons):	0	0	44	0	0	0
Suppt Eqpt (tons):	0	0	7	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	1	0	0	0

Transfers from Moody AFB, GA (QSEU) to Sheppard AFB, TX (VNVP)

	2006	2007	2008	2009	2010	2011
Officer Positions:	0	0	21	0	0	0
Enlisted Positions:	0	0	5	0	0	0
Civilian Positions:	0	0	2	0	0	0
Student Positions:	0	0	25	0	0	0
NonVeh Missn Eqpt(tons):	0	0	43	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 Moody AFB, GA (QSEU) to Vance AFB, OK (XTLF)

	2006	2007	2008	2009	2010	2011
Officer Positions:	0	0	41	0	0	0
Enlisted Positions:	0	0	6	0	0	0
Civilian Positions:	0	0	6	0	0	0
Student Positions:	0	0	42	0	0	0
NonVeh Missn Eqpt(tons):	0	0	39	0	0	0
Suppt Eqpt (tons):	0	0	17	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

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INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from Randolph AFB, TX (TYMX) to NAS PENSACOLA, FL (N0C204)

	2006	2007	2008	2009	2010	2011
Officer Positions:	0	0	121	0	0	0
Enlisted Positions:	0	0	29	0	0	0
Civilian Positions:	0	0	123	0	0	0
Student Positions:	0	0	352	0	0	0
NonVeh Missn Eqpt(tons):	0	0	121	0	0	0
Suppt Eqpt (tons):	0	0	216	0	0	0
Military Light Vehicles:	0	0	12	0	0	0
Heavy/Special Vehicles:	0	0	1	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: Moody AFB, GA (QSEU)

Total Officer Employees:	534	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	3,122	Total Sustainment (\$K/Year):	9,644
Total Student Employees:	180	Sustain Payroll (\$K/Year):	4,056
Total Civilian Employees:	406	BOS Non-Payroll (\$K/Year):	15,172
Accomp Mil not Receiving BAH:	11.5%	BOS Payroll (\$K/Year):	13,698
Officer Housing Units Avail:	0	Family Housing (\$K/Year):	1,868
Enlisted Housing Units Avail:	0	Installation PRV(\$K):	725,298
Starting Facilities(KSF):	2,033	Svc/Agcy Recap Rate (Years):	121
Officer BAH (\$/Month):	824	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	648		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	0.85		Admits Visits Prescrip
Per Diem Rate (\$/Day):	86	CostFactor	4,452.32 122.92 19.87
Freight Cost (\$/Ton/Mile):	0.35	Actv MTF	0 52,646 55,706
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	775 31,257
Latitude:	30.973359	Retiree	0 11,174 68,812
Longitude:	-83.200499	Retiree65+	0 839 75,509

Name: Columbus AFB, MS (EEPZ)

Total Officer Employees:	407	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	541	Total Sustainment (\$K/Year):	7,361
Total Student Employees:	345	Sustain Payroll (\$K/Year):	7,514
Total Civilian Employees:	486	BOS Non-Payroll (\$K/Year):	12,122
Accomp Mil not Receiving BAH:	66.7%	BOS Payroll (\$K/Year):	17,820
Officer Housing Units Avail:	0	Family Housing (\$K/Year):	5,044
Enlisted Housing Units Avail:	0	Installation PRV(\$K):	599,217
Starting Facilities(KSF):	1,276	Svc/Agcy Recap Rate (Years):	121
Officer BAH (\$/Month):	861	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	683		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	0.78		Admits Visits Prescrip
Per Diem Rate (\$/Day):	86	CostFactor	6,960.03 124.12 10.75
Freight Cost (\$/Ton/Mile):	0.33	Actv MTF	0 20,288 19,499
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	333 11,463
Latitude:	33.638062	Retiree	0 7,383 31,121
Longitude:	-88.449120	Retiree65+	0 381 41,306

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INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: Laughlin AFB, TX (MXDP)

Total Officer Employees:	394	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	527	Total Sustainment(\$K/Year):	8,657
Total Student Employees:	359	Sustain Payroll (\$K/Year):	1,330
Total Civilian Employees:	941	BOS Non-Payroll (\$K/Year):	16,135
Accomp Mil not Receiving BAH:	75.0%	BOS Payroll (\$K/Year):	12,833
Officer Housing Units Avail:	0	Family Housing (\$K/Year):	6,108
Enlisted Housing Units Avail:	0	Installation PRV(\$K):	614,494
Starting Facilities(KSF):	1,432	Svc/Agcy Recap Rate (Years):	121
Officer BAH (\$/Month):	979	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	667		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	0.87		Admits Visits Prescrip
Per Diem Rate (\$/Day):	86	CostFactor	4,219.62 127.83 29.73
Freight Cost (\$/Ton/Mile):	0.53	Actv MTF	0 19,491 17,920
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	241 9,433
Latitude:	29.352665	Retiree	0 6,681 16,331
Longitude:	-100.786575	Retiree65+	0 3,244 13,907

Name: Randolph AFB, TX (TYMX)

Total Officer Employees:	1,274	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	1,941	Total Sustainment(\$K/Year):	14,002
Total Student Employees:	329	Sustain Payroll (\$K/Year):	9,575
Total Civilian Employees:	5,284	BOS Non-Payroll (\$K/Year):	45,706
Accomp Mil not Receiving BAH:	11.9%	BOS Payroll (\$K/Year):	47,278
Officer Housing Units Avail:	0	Family Housing (\$K/Year):	11,424
Enlisted Housing Units Avail:	0	Installation PRV(\$K):	1,073,635
Starting Facilities(KSF):	3,382	Svc/Agcy Recap Rate (Years):	121
Officer BAH (\$/Month):	1,138	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	918		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	0.90		Admits Visits Prescrip
Per Diem Rate (\$/Day):	138	CostFactor	4,646.53 88.85 23.83
Freight Cost (\$/Ton/Mile):	0.41	Actv MTF	0 79,794 79,952
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	206 23,444
Latitude:	29.529434	Retiree	0 40,369 104,289
Longitude:	-98.278560	Retiree65+	0 1,836 60,605

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INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: Sheppard AFB, TX (VNVF)

Total Officer Employees:	556	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	2,841	Total Sustainment (\$K/Year):	31,946
Total Student Employees:	4,339	Sustain Payroll (\$K/Year):	9,176
Total Civilian Employees:	1,387	BOS Non-Payroll (\$K/Year):	42,447
Accomp Mil not Receiving BAH:	42.6%	BOS Payroll (\$K/Year):	28,260
Officer Housing Units Avail:	0	Family Housing (\$K/Year):	7,258
Enlisted Housing Units Avail:	0	Installation PRV(\$K):	1,938,588
Starting Facilities(KSF):	5,135	Svc/Agcy Recap Rate (Years):	121
Officer BAH (\$/Month):	1,009	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	805		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	0.93		Admits Visits Prescrip
Per Diem Rate (\$/Day):	86	CostFactor	5,658.00 114.22 21.87
Freight Cost (\$/Ton/Mile):	0.30	Actv MTF	620 129,186 119,440
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	741 27,523
Latitude:	33.978260	Retiree	169 26,936 87,822
Longitude:	-98.500667	Retiree65+	167 13,234 107,111

Name: Vance AFB, OK (XTLF)

Total Officer Employees:	320	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	385	Total Sustainment (\$K/Year):	7,001
Total Student Employees:	339	Sustain Payroll (\$K/Year):	0
Total Civilian Employees:	120	BOS Non-Payroll (\$K/Year):	23,291
Accomp Mil not Receiving BAH:	33.3%	BOS Payroll (\$K/Year):	4,455
Officer Housing Units Avail:	0	Family Housing (\$K/Year):	1,063
Enlisted Housing Units Avail:	0	Installation PRV(\$K):	475,887
Starting Facilities(KSF):	1,084	Svc/Agcy Recap Rate (Years):	121
Officer BAH (\$/Month):	746	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	582		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	0.92		Admits Visits Prescrip
Per Diem Rate (\$/Day):	86	CostFactor	5,076.25 139.37 9.60
Freight Cost (\$/Ton/Mile):	0.65	Actv MTF	0 20,324 22,892
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	277 12,994
Latitude:	36.340104	Retiree	0 5,749 22,157
Longitude:	-97.903216	Retiree65+	0 573 20,356

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Base: NAS PENSACOLA, FL (N00204)	2006	2007	2008	2009	2010	2011	Total	
ONE-TIME NET (\$K)								
CONSTRUCTION								
MILCON	2,115	23,503	0	0	0	0	25,618	
O&M								
Civ Retir/RIF	0	0	0	0	0	0	0	
Civ Moving	0	0	0	0	0	0	0	
Info Tech	0	1,265	0	0	0	0	1,265	
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	185	5	5	5	5	205	
Miscn Contract	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
TOTAL ONE-TIME	2,115	24,953	5	5	5	5	27,089	
RECURRING NET (\$K)								
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	266	266	266	266	266	1,328	266
Recap	0	195	195	195	195	195	974	195
BOS	0	0	2,040	2,040	2,040	2,040	8,162	2,040
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	381	381	381	381	1,523	381
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	465	465	465	465	1,862	465
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	460	3,347	3,347	3,347	3,347	13,849	3,347
TOTAL NET COST	2,115	25,414	3,352	3,352	3,352	3,352	40,938	3,347

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Personnel				
Base	Start*	Finish*	Change	%Change
Moody AFB	4,242	3,540	-702	17%
Columbus AFB	1,779	1,882	103	6%
Laughlin AFB	2,221	2,399	178	8%
Randolph AFB	8,828	8,257	-571	6%
Sheppard AFB	9,123	9,176	53	1%
Vance AFB	1,164	1,259	95	8%
NAS PENSACOLA	14,613	15,238	625	4%
TOTAL	41,970	41,751	-219	-1%

Square Footage					
Base	Start	Finish	Change	%Change	Chg/Per
Moody AFB	2,033,000	2,033,000	0	0%	0
Columbus AFB	1,276,000	1,276,000	0	0%	0
Laughlin AFB	1,432,000	1,435,097	3,097	0%	17
Randolph AFB	3,382,000	3,382,000	0	0%	0
Sheppard AFB	5,135,000	5,135,000	0	0%	0
Vance AFB	1,084,000	1,086,244	2,244	0%	24
NAS PENSACOLA	12,137,673	12,246,073	108,400	1%	173
TOTAL	26,479,673	26,593,414	113,741	0%	-519

Base Operations Support (2005\$)					
Base	Start*	Finish*	Change	%Change	Chg/Per
Moody AFB	15,172,094	13,707,864	-1,464,230	10%	2,086
Columbus AFB	12,122,366	12,381,897	259,531	2%	2,520
Laughlin AFB	16,134,835	16,681,570	546,735	3%	3,071
Randolph AFB	45,706,077	43,505,557	-2,200,520	5%	3,854
Sheppard AFB	42,447,184	42,632,268	185,084	0%	3,492
Vance AFB	23,290,813	23,818,131	527,318	2%	5,551
NAS PENSACOLA	76,696,547	78,737,044	2,040,496	3%	3,265
TOTAL	231,569,916	231,464,331	-105,585	0%	482

Sustainment (2005\$)					
Base	Start	Finish	Change	%Change	Chg/Per
Moody AFB	5,588,211	5,588,211	0	0%	0
Columbus AFB	-152,386	-152,434	48	0%	-0
Laughlin AFB	7,327,423	7,335,271	7,848	0%	44
Randolph AFB	4,426,936	4,428,774	1,838	0%	-3
Sheppard AFB	22,769,413	22,770,072	659	0%	12
Vance AFB	7,001,290	7,008,819	7,529	0%	79
NAS PENSACOLA	42,842,852	43,108,496	265,646	1%	425
TOTAL	89,803,739	90,087,209	283,470	0%	-1,294

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Base	Recapitalization (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
Moody AFB	5,994,203	5,994,203	0	0%	0
Columbus AFB	4,952,208	4,965,010	12,802	0%	124
Laughlin AFB	5,078,464	5,098,034	19,570	0%	110
Randolph AFB	8,873,017	8,892,174	19,157	0%	33
Sheppard AFB	16,021,393	16,022,691	1,297	0%	24
Vance AFB	3,932,948	3,951,643	18,694	0%	197
NAS PENSACOLA	24,564,584	24,759,372	194,788	1%	312
TOTAL	69,416,819	69,663,127	266,308	0%	1,216

Base	Sustain + Recap + BOS (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
Moody AFB	26,754,508	25,290,278	-1,464,230	-5%	2,086
Columbus AFB	16,922,188	17,194,473	272,284	2%	2,643
Laughlin AFB	28,540,722	29,114,875	574,153	2%	3,225
Randolph AFB	59,006,030	56,826,504	-2,179,525	-4%	3,817
Sheppard AFB	81,237,990	81,425,031	187,040	0%	3,529
Vance AFB	34,225,051	34,778,593	553,541	2%	5,827
NAS PENSACOLA	144,103,984	146,604,914	2,500,930	2%	4,001
TOTAL	390,790,474	391,234,668	444,194	0%	2,028

Base	Plant Replacement Value (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
Moody AFB	725,298,570	725,298,570	0	0%	0
Columbus AFB	599,217,219	600,766,219	1,549,000	0%	15,039
Laughlin AFB	614,494,146	616,862,146	2,368,000	0%	13,303
Randolph AFB	1,073,635,038	1,075,953,038	2,318,000	0%	4,059
Sheppard AFB	1,938,588,597	1,938,745,597	157,000	0%	2,962
Vance AFB	475,886,779	478,148,779	2,262,000	0%	23,810
NAS PENSACOLA	2,800,362,634	2,822,568,441	22,205,807	1%	35,529
TOTAL	8,227,482,983	8,258,342,790	30,859,807	0%	140,912

* "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 MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10)
 Data As Of 5/5/2005 10:07:15 AM, Report Created 5/5/2005 10:28:36 AM

Department :
 Scenario File : S:\CYPF\DASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R I really
 e\COBRA 6.10 Update Env with IG Changes\E&T0046R COBRA VERS 6.10 5 May 05.CBR
 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

All values in 2005 Constant Dollars

Base Name	Total MilCon*	Milcon Cost Avoidance	Total Net Costs
Moody AFB	0	0	0
Columbus AFB	1,549,000	0	1,549,000
Laughlin AFB	2,368,000	0	2,368,000
Randolph AFB	2,318,000	0	2,318,000
Sheppard AFB	157,000	0	157,000
Vance AFB	2,262,000	0	2,262,000
NAS PENSACOLA	25,618,549	0	25,618,549
Totals:	34,272,549	0	34,272,549

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

Department :
 Scenario File : S:\CYPF\DASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R I really
 ve\COBRA 6.10 Update Env with IG Changes\E&T0046R COBRA VERS 6.10 5 May 05.CBR
 Option Pkg Name: Scenario E&T0046R
 Std Pctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

MilCon for Base: Columbus AFB, MS (EEPZ)

All values in 2005 Constant Dollars (\$K)

FAC Title	UM	New MilCon	New Cost*	Using Rehab Rehab Type	Rehab Cost*	Total Cost*
1131 Aircraft Apron, Surfaced	SY	3,600	n/a**	C Default	n/a**	394
1721 Flight Simulator Facility	SF	0	n/a**	19,000 Default	n/a**	1,155
Total Construction Cost:						1,549
- Construction Cost Avoid:						0
Total Net Milcon Cost:						1,549

* 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.

Department :
 Scenario File : S:\CYPF\DASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R 1 really
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 Option Pkg Name: Scenario E&T0046R
 Std Pctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

MilCon for Base: Laughlin AFB, TX (MXDP)

All values in 2005 Constant Dollars (\$K)

FAC Title	UM	New MilCon	New Cost*	Using Rehab Rehab Type	Rehab Cost*	Total Cost*
1131 Aircraft Apron, Surfaced	SY	4,200	n/a**	0 Default	n/a**	513
6100 General Administrative Building	SF	3,097	n/a**	0 Default	n/a**	566
1721 Flight Simulator Facility	SF	0	n/a**	19,000 Default	n/a**	1,289
Total Construction Cost:						2,368
Construction Cost Avoid:						0
Total Net Milcon Cost:						2,368

* 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.

Department :
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 ve\COBRA 6.10 Update Env with IG Changes\E&T0046R COBRA VERS 6.10 5 May 05.CBR
 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

MilCon for Base: Randolph AFB, TX (TYMX)

All values in 2005 Constant Dollars (\$K)

FAC Title	UM	New MilCon	New Cost*	Using Rehab Rehab Type	Rehab Cost*	Total Cost*
1131 Aircraft Apron, Surfaced	SY	7,800	n/a**	0 Default	n/a**	985
1721 Flight Simulator Facility	SF	0	n/a**	19,000 Default	n/a**	1,333
Total Construction Cost:						2,318
- Construction Cost Avoid:						0
Total Net Milcon Cost:						2,318

* 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.

Department :
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 ve\COBRA 6.10 Update Env with IG Changes\E&T0046R COBRA VERS 6.10 5 May 05.CBR
 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

MilCon for Base: Sheppard AFB, TX (VNVP)

All values in 2005 Constant Dollars (\$K)

FAC Title	UM	New MilCon	New Cost*	Using Rehab Rehab Type	Rehab Cost*	Total Cost*
1131 Aircraft Apron, Surfaced	SY	1,200	n/a**	0 Default	n/a**	157
Total Construction Cost:						157
- Construction Cost Avoid:						0
Total Net Milcon Cost:						157

* 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.

Department :
 Scenario File : S:\CYPF\DASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R I really
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 ation Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

MilCon for Base: Vance AFB, OK (XTLF)

All values in 2005 Constant Dollars (\$K)

FAC	Title	UM	New MilCon	New Cost*	Using Rehab Rehab Type	Rehab Cost*	Total Cost*
1131	Aircraft Apron, Surfaced	SY	3,600	n/a**	0 Default	n/a**	465
6100	General Administrative Building	SF	2,244	n/a**	0 Default	n/a**	434
1721	Flight Simulator Facility	SF	0	n/a**	19,000 Default	n/a**	1,363
Total Construction Cost:							2,262
- Construction Cost Avoid:							0
Total Net Milcon Cost:							2,262

* 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.

Department :
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 ve\COBRA 6.10 Update Env with IG Changes\E&T0046R COBRA VERS 6.10 5 May 05.CBR
 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

MilCon for Base: NAS PENSACOLA, FL (N00204)

All values in 2005 Constant Dollars (\$K)

FAC	Title	UM	New MilCon	New Cost*	Using Rehab Rehab Type	Rehab Cost*	Total Cost*
2111	Aircraft Maintenance Hangar	SF	24,000	4,997	0 Default	0	4,997
2111	Aircraft Maintenance Hangar	SF	15,000	3,123	0 Default	0	3,123
1444	Miscellaneous Operations Support Building	SF	15,000	2,863	0 Default	0	2,863
1712	Applied Instruction Building	SF	37,000	6,874	0 Default	0	6,874
1721	Flight Simulator Facility	SF	0	0	18,000 Amber	1,017	1,017
1404	Emergency Operations Center/SCIF	SF	1,000	193	0 Default	0	193
1721	Flight Simulator Facility	SF	4,000	783	0 Default	0	783
1131	Aircraft Apron, Surfaced	SY	11,555	1,152	0 Default	0	1,152
2184	Parachute And Dingy Maintenance Shop	SF	400	68	0 Default	0	68
2116	Aircraft Maintenance Shop, Depot	SF	12,000	2,152	0 Default	0	2,152
2118	Aircraft Engine Test Facility	EA	1	1,999	0 Default	0	1,999
6100	General Administrative Building	SF	0	0	6,074 Amber	258	258
2111	Aircraft Maintenance Hangar	SF	0	0	2,307 Amber	139	139
Total Construction Cost:							25,618
- Construction Cost Avoid:							0
Total Net Milcon Cost:							25,618

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

COBRA NET PRESENT VALUES REPORT (COBRA v6.10)
 Data As Of 5/5/2005 10:07:15 AM, Report Created 5/5/2005 10:28:38 AM

Department :
 Scenario File : S:\CYPP\DASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R I really
 ve\COBRA 6.10 Update Env with IG Changes\E&T0046R COBRA VERS 6.10 5 May 05.CBR
 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Year	Cost(\$)	Adjusted Cost(\$)	NPV(\$)
2006	5,700,058	5,621,895	5,621,895
2007	49,873,824	47,850,116	53,472,012
2008	1,779,766	1,661,040	55,133,052
2009	-18,863,069	-17,125,231	38,007,820
2010	-18,578,988	-16,407,901	21,599,919
2011	-18,294,917	-15,716,951	5,882,967
2012	-18,299,917	-15,293,042	-9,410,074
2013	-18,299,917	-14,876,500	-24,286,574
2014	-18,299,917	-14,471,303	-38,757,877
2015	-18,299,917	-14,077,143	-52,835,020
2016	-18,299,917	-13,693,719	-66,528,739
2017	-18,299,917	-13,320,738	-79,849,478
2018	-18,299,917	-12,957,917	-92,807,394
2019	-18,299,917	-12,604,977	-105,412,372
2020	-18,299,917	-12,261,651	-117,674,023
2021	-18,299,917	-11,927,676	-129,601,699
2022	-18,299,917	-11,602,798	-141,204,497
2023	-18,299,917	-11,286,768	-152,491,265
2024	-18,299,917	-10,979,347	-163,470,612
2025	-18,299,917	-10,680,298	-174,150,910

Department :
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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	255	0	0	0	255
Early Retirement*	8.10%	0	0	19	0	0	0	19
Regular Retirement*	1.67%	0	0	4	0	0	0	4
Civilian Turnover*	9.16%	0	0	23	0	0	0	23
Civs Not Moving (RIFs)*	6.00%	0	0	14	0	0	0	14
Civilians Moving (the remainder)		0	0	195	0	0	0	195
Civilian Positions Available		0	0	60	0	0	0	60
CIVILIAN POSITIONS ELIMINATED		0	0	30	0	0	0	30
Early Retirement	8.10%	0	0	2	0	0	0	2
Regular Retirement	1.67%	0	0	0	0	0	0	0
Civilian Turnover	9.16%	0	0	3	0	0	0	3
Civs Not Moving (RIFs)*	6.00%	0	0	2	0	0	0	2
Priority Placement#	39.97%	0	0	12	0	0	0	12
Civilians Available to Move		0	0	11	0	0	0	11
Civilians Moving		0	0	11	0	0	0	11
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	255	0	0	0	255
Civilians Moving		0	0	206	0	0	0	206
New Civilians Hired		0	0	49	0	0	0	49
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIREMENTS		0	0	21	0	0	0	21
TOTAL CIVILIAN RIFs		0	0	16	0	0	0	16
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	12	0	0	0	12
TOTAL CIVILIAN NEW HIRES		0	0	49	0	0	0	49

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%

Department :
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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Base: Moody AFB, GA (QSEU)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	132	0	0	0	132
Early Retirement*	8.10%	0	0	9	0	0	0	9
Regular Retirement*	1.67%	0	0	2	0	0	0	2
Civilian Turnover*	9.16%	0	0	12	0	0	0	12
Civs Not Moving (RIFs)*	6.00%	0	0	7	0	0	0	7
Civilians Moving (the remainder)		0	0	102	0	0	0	102
Civilian Positions Available		0	0	30	0	0	0	30
CIVILIAN POSITIONS ELIMINATED		0	0	13	0	0	0	13
Early Retirement	8.10%	0	0	1	0	0	0	1
Regular Retirement	1.67%	0	0	0	0	0	0	0
Civilian Turnover	9.16%	0	0	1	0	0	0	1
Civs Not Moving (RIFs)*	6.00%	0	0	1	0	0	0	1
Priority Placement#	39.97%	0	0	5	0	0	0	5
Civilians Available to Move		0	0	5	0	0	0	5
Civilians Moving		0	0	5	0	0	0	5
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	10	0	0	0	10
TOTAL CIVILIAN RIFs		0	0	8	0	0	0	8
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	5	0	0	0	5
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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 Location Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Base: Columbus AFB, MS (EEPZ)	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	3	0	0	0	3
Civilians Moving		0	0	3	0	0	0	3
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	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		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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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Base: Laughlin AFB, TX (MXDP)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT								
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								
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								
Civilians Moving		0	0	61	0	0	0	61
New Civilians Hired		0	0	19	0	0	0	19
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								
		0	0	19	0	0	0	19

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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 ation Pkg Name: Scenario E&T0046R
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Base: Randolph AFB, TX (TYMX)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	123	0	0	0	123
Early Retirement*	8.10%	0	0	10	0	0	0	10
Regular Retirement*	1.67%	0	0	2	0	0	0	2
Civilian Turnover*	9.16%	0	0	11	0	0	0	11
Civs Not Moving (RIFs)*	6.00%	0	0	7	0	0	0	7
Civilians Moving (the remainder)		0	0	93	0	0	0	93
Civilian Positions Available		0	0	30	0	0	0	30
CIVILIAN POSITIONS ELIMINATED		0	0	17	0	0	0	17
Early Retirement	8.10%	0	0	1	0	0	0	1
Regular Retirement	1.67%	0	0	0	0	0	0	0
Civilian Turnover	9.16%	0	0	2	0	0	0	2
Civs Not Moving (RIFs)*	6.00%	0	0	1	0	0	0	1
Priority Placement#	39.97%	0	0	7	0	0	0	7
Civilians Available to Move		0	0	6	0	0	0	6
Civilians Moving		0	0	6	0	0	0	6
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	41	0	0	0	41
Civilians Moving		0	0	36	0	0	0	36
New Civilians Hired		0	0	5	0	0	0	5
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	11	0	0	0	11
TOTAL CIVILIAN RIFS		0	0	8	0	0	0	8
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	7	0	0	0	7
TOTAL CIVILIAN NEW HIRES		0	0	5	0	0	0	5

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%

Department :
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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Base: Sheppard AFB, TX (VNVP)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT								
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								
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								
Civilians Moving		0	0	2	0	0	0	2
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	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								
		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%

Department :
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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Base: Vance AFB, OK (XTLF)	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	6	0	0	0	6
Civilians Moving		0	0	5	0	0	0	5
New Civilians Hired		0	0	1	0	0	0	1
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		0	0	1	0	0	0	1

* 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: Scenario E&T0046R
 Std Pctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Base: Moody AFB, GA (QSEU)	2006	2007	2008	2009	2010	2011	Total
ONE-TIME COSTS							
----- (\$K) -----							
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	459	0	0	0	459
Civ Retire	0	0	120	0	0	0	120
CIV MOVING							
Per Diem	0	0	365	0	0	0	365
POV Miles	0	0	23	0	0	0	23
Home Purch	0	0	1,011	0	0	0	1,011
HHG	0	0	674	0	0	0	674
Misc	0	0	107	0	0	0	107
House Hunt	0	0	285	0	0	0	285
PPP	0	0	106	0	0	0	106
RITA	0	0	502	0	0	0	502
FREIGHT							
Packing	0	0	31	0	0	0	31
Freight	0	0	372	0	0	0	372
Vehicles	0	0	11	0	0	0	11
Unemployment	0	0	36	0	0	0	36
OTHER							
Info Tech	0	0	99	0	0	0	99
Prog Manage	478	358	269	0	0	0	1,105
Supt Contract	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	0	0	1,088	0	0	0	1,088
PERSONNEL							
MIL MOVING							
Per Diem	0	0	50	0	0	0	50
POV Miles	0	0	38	0	0	0	38
HHG	0	0	891	0	0	0	891
Misc	0	0	210	0	0	0	210
OTHER							
Elim PCS	0	0	681	0	0	0	681
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Misc Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	478	358	7,429	0	0	0	8,266

Department :
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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SPF

Base: Moody AFB, GA (QSEU)								
RECURRINGCOSTS	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	-----	-----	-----	-----	-----	-----	-----	-----
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	478	358	7,429	0	0	0	8,266	0
ONE-TIME SAVES								
-----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
-----	-----	-----	-----	-----	-----	-----	-----	-----
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	0
O&M								
1 Time Move	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Moving	0	0	797	0	0	0	797	0
OTHER								
Environmental	0	0	0	0	0	0	0	0
Time Other	0	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	797	0	0	0	797	0
RECURRINGSAVES								
-----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
-----	-----	-----	-----	-----	-----	-----	-----	-----
FAM HOUSE OPS								
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	1,464	1,464	1,464	1,464	5,857	1,464
Civ Salary	0	0	432	864	864	864	3,025	864
MIL PERSONNEL								
Off Salary	0	0	125	250	250	250	875	250
Enl Salary	0	0	6,798	13,596	13,596	13,596	47,585	13,596
House Allow	0	0	2,123	2,123	2,123	2,123	8,492	2,123
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	10,942	18,297	18,297	18,297	65,835	18,297
TOTAL SAVINGS	0	0	11,739	18,297	18,297	18,297	66,632	18,297

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 Option Pkg Name: Scenario E&T0046R
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Base: Moody AFB, GA (QSEU)								
ONE TIME NET	2006	2007	2008	2009	2010	2011	Total	
---- (\$K) ----	----	----	----	----	----	----	-----	
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
Civ Retir/RIF	0	0	579	0	0	0	579	
Civ Moving	0	0	3,488	0	0	0	3,488	
Info Tech	0	0	99	0	0	0	99	
Other	478	358	1,392	0	0	0	2,228	
MIL PERSONNEL								
Mil Moving	0	0	1,073	0	0	0	1,073	
OTHER								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	0	0	0	0	0	0	
Misr Contract	0	0	0	0	0	0	0	
1 Time Other	0	0	0	0	0	0	0	
TOTAL ONE TIME	478	358	6,633	0	0	0	7,469	
RECURRING NET								
----- (\$K) -----	-----	-----	-----	-----	-----	-----	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	-1,464	-1,464	-1,464	-1,464	-5,857	-1,464
Civ Salary	0	0	-432	-864	-864	864	-3,025	-864
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	-6,923	13,846	-13,846	-13,846	-48,460	13,846
House Allow	0	0	-2,123	-2,123	-2,123	-2,123	-8,492	-2,123
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	-10,942	-18,297	-18,297	-18,297	-65,835	-18,297
TOTAL NET COST	478	358	4,310	18,297	-18,297	-18,297	-58,366	-18,297

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 Option Pkg Name: Scenario E&T0046R
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Base: Columbus AFB, MS (EEPZ)	2006	2007	2008	2009	2010	2011	Total
ONE TIME COSTS	(SK)						
CONSTRUCTION							
MILCON	128	1,421	0	0	0	0	1,549
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	88	144	0	0	0	232
Prog Manage	0	0	0	0	0	0	0
Supt Contract	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
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	318	200	0	0	0	0	518
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	79	0	0	0	0	79
TOTAL ONE-TIME	446	1,788	144	0	0	0	2,378

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 Option Pkg Name: Scenario E&T0046R
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Base: Columbus AFB, MS (EEPZ)								
RECURRING COSTS	2006	2007	2008	2009	2010	2011	Total	Beyond
----- (\$K) -----	-----	-----	-----	-----	-----	-----	-----	-----
O&M								
Sustainment	0	-0	-0	-0	0	-0	-0	-0
Recap	0	13	13	13	13	13	64	13
BOS	0	0	259	259	259	259	1,038	259
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	284	568	980	1,264	1,548	1,832	6,478	1,832
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	380	380	380	380	1,519	380
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	731	731	731	731	2,925	731
TOTAL RECUR	284	581	2,364	2,648	2,932	3,216	12,024	3,216
TOTAL COSTS	730	2,369	2,508	2,648	2,932	3,216	14,402	3,216
ONE-TIME SAVES								
----- (\$K) -----	2006	2007	2008	2009	2010	2011	Total	
-----	-----	-----	-----	-----	-----	-----	-----	-----
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	0
O&M								
1-Time Move	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	0
OTHER								
Environmental	0	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0	0
RECURRING SAVES								
----- (\$K) -----	2006	2007	2008	2009	2010	2011	Total	Beyond
-----	-----	-----	-----	-----	-----	-----	-----	-----
FAM HOUSE OPS								
O&M	0	0	0	0	0	0	0	0
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	1,038	1,038	1,038	1,038	1,038	5,190	1,038
TOTAL RECUR	0	1,038	1,038	1,038	1,038	1,038	5,190	1,038
TOTAL SAVINGS	0	1,038	1,038	1,038	1,038	1,038	5,190	1,038

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Base: Columbus AFB, MS (EEPZ)

ONE TIME NET	2006	2007	2008	2009	2010	2011	Total	
(\$K)								
CONSTRUCTION								
MILCON	128	1,421	0	0	0	0	1,549	
O&M								
Civ Retir/RIF	0	0	0	0	0	0	0	
Civ Moving	0	0	0	0	0	0	0	
Info Tech	0	88	144	0	0	0	232	
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	318	200	0	0	0	0	518	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	79	0	0	0	0	79	
TOTAL ONE-TIME	446	1,788	144	0	0	0	2,378	
RECURRING NET								
(\$K)								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	13	13	13	13	13	64	13
BOS	0	0	259	259	259	259	1,038	259
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	284	568	980	1,264	1,548	1,832	6,478	1,832
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	380	380	380	380	1,519	380
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	-1,038	-307	-307	-307	-307	-2,265	-307
TOTAL RECUR	284	-457	1,326	1,610	1,894	2,178	6,834	2,178
TOTAL NET COST	730	1,331	1,470	1,610	1,894	2,178	9,212	2,178

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Base: Laughlin AFB, TX (MXDP)

ONE-TIME COSTS	2006	2007	2008	2009	2010	2011	Total
-----(\$K)-----	----	----	----	----	----	----	-----
CONSTRUCTION							
MILCON	195	2,172	0	0	0	0	2,368
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	176	334	0	0	0	510
Prog Manage	0	0	0	0	0	0	0
Supt Contract	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
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	318	200	0	0	0	0	518
Misc Contract	0	0	0	0	0	0	0
1-Time Other	0	640	0	0	0	0	640
TOTAL ONE-TIME	513	3,188	334	0	0	0	4,036

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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Base: Laughlin AFB, TX (MXDP)

RECURRINGCOSTS	2006	2007	2008	2009	2010	2011	Total	Beyond
----- (\$K)-----	----	----	----	----	----	----	-----	-----
O&M								
Sustainment	0	8	8	8	8	8	39	8
Recap	0	19	19	19	19	19	98	19
BOS	0	0	547	547	547	547	2,187	547
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	97	97	97	97	389	97
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	416	416	416	416	1,664	416
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	27	1,087	1,087	1,087	1,087	4,376	1,087
TOTAL COSTS	513	3,216	1,421	1,087	1,087	1,087	8,412	1,087
ONE-TIME SAVES	2006	2007	2008	2009	2010	2011	Total	
----- (\$K)-----	----	----	----	----	----	----	-----	
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	
HER								
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	2006	2007	2008	2009	2010	2011	Total	Beyond
----- (\$K)-----	----	----	----	----	----	----	-----	-----
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	1,038	1,038	1,038	1,038	1,038	5,190	1,038
TOTAL RECUR	0	1,038	1,038	1,038	1,038	1,038	5,190	1,038
TOTAL SAVINGS	0	1,038	1,038	1,038	1,038	1,038	5,190	1,038

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Department :
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 ve\COBRA 6.10 Update Env with IG Changes\E&T0046R COBRA VERS 6.10 5 May 05.CBR
 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Base: Laughlin AFB, TX (MXDP)

ONE-TIME NET ----(\$K)----	2006	2007	2008	2009	2010	2011	Total	
CONSTRUCTION								
MILCON	195	2,172	0	0	0	0	2,368	
O&M								
Civ Retir/RIF	0	0	0	0	0	0	0	
Civ Moving	0	0	0	0	0	0	0	
Info Tech	0	176	334	0	0	0	510	
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	318	200	0	0	0	0	518	
Misc Contract	0	0	0	0	0	0	0	
1-Time Other	0	640	0	0	0	0	640	
TOTAL ONE-TIME	513	3,188	334	0	0	0	4,036	
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	8	8	8	8	8	39	8
Recap	0	19	19	19	19	19	98	19
BOS	0	0	547	547	547	547	2,187	547
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	97	97	97	97	389	97
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	416	416	416	416	1,664	416
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	-1,038	-1,038	-1,038	-1,038	1,038	-5,190	-1,038
TOTAL RECUR	0	-1,010	49	49	49	49	-813	49
TOTAL NET COST	513	2,178	383	49	49	49	3,222	49

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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Base: Randolph AFB, TX (TYMX)

ONE-TIME COSTS - (\$K) -	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	191	2,127	0	0	0	0	2,318
O&M							
CIV SALARY							
Civ RIFs	0	0	459	0	0	0	459
Civ Retire	0	0	132	0	0	0	132
CIV MOVING							
Per Diem	0	0	381	0	0	0	381
POV Miles	0	0	14	0	0	0	14
Home Purch	0	0	1,308	0	0	0	1,308
HHG	0	0	341	0	0	0	341
Misc	0	0	99	0	0	0	99
House Hunt	0	0	264	0	0	0	264
PPP	0	0	142	0	0	0	142
RITA	0	0	578	0	0	0	578
FREIGHT							
Packing	0	0	37	0	0	0	37
Freight	0	0	268	0	0	0	268
Vehicles	0	0	24	0	0	0	24
Unemployment	0	0	36	0	0	0	36
OTHER							
Info Tech	0	0	120	0	0	0	120
Prog Manage	699	524	393	0	0	0	1,617
Supt Contract	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	0	1,929	0	0	0	0	1,929
L PERSONNEL							
MIL MOVING							
Per Diem	0	0	37	0	0	0	37
POV Miles	0	0	21	0	0	0	21
HHG	0	0	390	0	0	0	390
Misc	0	0	150	0	0	0	150
OTHER							
Elim PCS	0	0	107	0	0	0	107
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	180	112	0	0	0	0	292
Misc Contract	0	0	0	0	0	0	0
1 Time Other	0	7,600	0	0	0	0	7,600
TOTAL ONE-TIME	1,071	12,292	5,303	0	0	0	18,666

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 re\COBRA 6.10 Update Env with IG Changes\E&T0046R COBRA VERS 6.10 5 May 05.CBR
 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Base: Randolph AFB, TX (TYMX)	2006	2007	2008	2009	2010	2011	Total	Beyond
RECURRINGCOSTS								
-----(\$K)-----								
O&M								
Sustainment	0	2	2	2	2	2	9	2
Recap	0	19	19	19	19	19	96	19
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	-7	-7	-7	-7	-29	-7
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	21	14	14	14	14	76	14
TOTAL COSTS	1,071	12,313	5,317	14	14	14	18,742	14
ONE-TIME SAVES	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----								
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	553	0	0	0	553	
OTHER								
Environmental	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
TOTAL ONE-TIME	0	0	553	0	0	0	553	
RECURRINGSAVES	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----								
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	2,200	2,200	2,200	2,200	8,802	2,200
Civ Salary	0	0	565	1,130	1,130	1,130	3,956	1,130
MIL PERSONNEL								
Off Salary	0	0	187	375	375	375	1,312	375
Enl Salary	0	0	783	1,565	1,565	1,565	5,479	1,565
House Allow	0	0	1,231	1,231	1,231	1,231	4,925	1,231
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	4,967	6,503	6,503	6,503	24,475	6,503
TOTAL SAVINGS	0	0	5,520	6,503	6,503	6,503	25,029	6,503

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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Base: Randolph AFB, TX (TYMX)								
ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
---- (\$K) ----	----	----	----	----	----	----	-----	
CONSTRUCTION								
MILCON	191	2,127	0	0	0	0	2,318	
O&M								
Civ Retir/RIF	0	0	591	0	0	0	591	
Civ Moving	0	0	3,458	0	0	0	3,458	
Info Tech	0	0	120	0	0	0	120	
Other	699	2,453	429	0	0	0	3,582	
MIL PERSONNEL								
Mil Moving	0	0	152	0	0	0	152	
OTHER								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	180	112	0	0	0	0	292	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	7,600	0	0	0	0	7,600	
TOTAL ONE-TIME	1,071	12,292	4,750	0	0	0	18,113	
RECURRING NET								
---- (\$K) ----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	2	2	2	2	2	9	2
Recap	0	19	19	19	19	19	96	19
BOS	0	0	-2,200	-2,200	-2,200	-2,200	-8,802	-2,200
Civ Salary	0	0	-565	-1,130	-1,130	-1,130	-3,956	-1,130
TRICARE	0	0	-7	-7	-7	-7	-29	-7
MIL PERSONNEL								
Mil Salary	0	0	-970	-1,940	-1,940	-1,940	-6,792	-1,940
House Allow	0	0	-1,231	-1,231	-1,231	-1,231	-4,925	-1,231
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	21	-4,953	-6,489	-6,489	-6,489	-24,399	-6,489
TOTAL NET COST	1,071	12,313	-203	-6,489	-6,489	-6,489	-6,286	-6,489

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 ve\COBRA 6.10 Update Env with IG Changes\E&T0046R COBRA VERS 6.10 5 May 05.CBR
 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Base: Sheppard AFB, TX (VNVP)	2006	2007	2008	2009	2010	2011	Total
ONE-TIME COSTS	2006	2007	2008	2009	2010	2011	Total
----- (\$K) -----	-----	-----	-----	-----	-----	-----	-----
CONSTRUCTION							
MILCON	13	144	0	0	0	0	157
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 Contract	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
L 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	280	0	0	0	0	0	280
Misc Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	293	144	0	0	0	0	437

Department :
 Scenario File : S:\CYPP\ASASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R I really
 e\COBRA 6.10 Update Env with IG Changes\E&T0046R COBRA VERS 6.10 5 May 05.CBR
 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Base: Sheppard AFB, TX (VNVP)

RECURRINGCOSTS	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
O&M								
Sustainment	0	1	1	1	1	1	3	1
Recap	0	1	1	1	1	1	6	1
BOS	0	0	185	185	185	185	740	185
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	47	47	47	47	190	47
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	211	211	211	211	842	211
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	898	898	898	898	3,593	898
TOTAL RECUR	0	2	1,343	1,343	1,343	1,343	5,375	1,343
TOTAL COSTS	293	146	1,343	1,343	1,343	1,343	5,812	1,343
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	1,038	1,038	1,038	1,038	1,038	5,190	1,038
TOTAL RECUR	0	1,038	1,038	1,038	1,038	1,038	5,190	1,038
TOTAL SAVINGS	0	1,038	1,038	1,038	1,038	1,038	5,190	1,038

Department :
 Scenario File : S:\CYPF\DASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R 1 really
 ve\COBRA 6.10 Update Env with IG Changes\E&T0046R COBRA VERS 6.10 5 May 05.CBR
 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SPF

Base: Sheppard AFB, TX (VNVP)								
ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
----(\$K)----	----	----	----	----	----	----	----	
CONSTRUCTION								
MILCON	13	144	0	0	0	0	157	
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	280	0	0	0	0	0	280	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
TOTAL ONE-TIME	293	144	0	0	0	0	437	
RECURRING NET								
-----(\$K)-----	-----	-----	-----	-----	-----	-----	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	1	1	1	1	1	3	1
Recap	0	1	1	1	1	1	6	1
BOS	0	0	185	185	185	185	740	185
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	47	47	47	47	190	47
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	211	211	211	211	842	211
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	-1,038	-140	-140	-140	-140	-1,597	-140
TOTAL RECUR	0	-1,036	305	305	305	305	185	305
TOTAL NET COST	293	-892	305	305	305	305	622	305

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 Option Pkg Name: Scenario E&T0046R
 Std Pctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Base: Vance AFB, OK (XTLF)	2006	2007	2008	2009	2010	2011	Total
ONE TIME COSTS	-----	-----	-----	-----	-----	-----	-----
(\$K)							
CONSTRUCTION							
MILCON	187	2,075	0	0	0	0	2,262
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	176	129	0	0	0	305
Prog Manage	0	0	0	0	0	0	0
Supt Contract	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
L 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	313	196	0	0	0	0	509
Misc Contract	0	0	0	0	0	0	0
1-Time Other	0	7,736	46	0	0	0	7,782
TOTAL ONE-TIME	500	10,183	175	0	0	0	10,858

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 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

Base: Vance AFB, OK (XTLF)	2006	2007	2008	2009	2010	2011	Total	Beyond
RECURRINGCOSTS								
-----(\$K)-----	----	----	----	----	----	----	-----	-----
O&M								
Sustainment	0	7	7	7	7	7	38	7
Recap	0	19	19	19	19	19	93	19
BOS	0	0	527	527	527	527	2,109	527
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	107	107	107	107	429	107
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	289	289	289	289	1,158	289
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	695	695	695	695	2,779	695
TOTAL RECUR	0	26	1,645	1,645	1,645	1,645	6,606	1,645
TOTAL COSTS	500	10,209	1,820	1,645	1,645	1,645	17,464	1,645
ONE-TIME SAVES	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	-----	-----	-----	-----	-----	-----	-----	
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	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	-----	-----	-----	-----	-----	-----	-----	-----
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	1,038	1,038	1,038	1,038	1,038	5,190	1,038
TOTAL RECUR	0	1,038	1,038	1,038	1,038	1,038	5,190	1,038
TOTAL SAVINGS	0	1,038	1,038	1,038	1,038	1,038	5,190	1,038

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Base: Vance AFB, OK (XTLF)								
ONE TIME NET	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	-----	-----	-----	-----	-----	-----	-----	
CONSTRUCTION								
MILCON	187	2,075	0	0	0	0	2,262	
O&M								
Civ Retir/RIF	0	0	0	0	0	0	0	
Civ Moving	0	0	0	0	0	0	0	
Info Tech	0	176	129	0	0	0	305	
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	313	196	0	0	0	0	509	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	7,736	46	0	0	0	7,782	
TOTAL ONE-TIME	500	10,183	175	0	0	0	10,858	
RECURRING NET								
-----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
-----	-----	-----	-----	-----	-----	-----	-----	-----
FAM HOUSE OPS								
O&M	0	0	0	0	0	0	0	0
Sustainment								
Recap	0	19	19	19	19	19	93	19
BOS	0	0	527	527	527	527	2,109	527
Civ Salary	0	0	0	0	0	0	0	0
TRICARE								
MIL PERSONNEL	0	0	107	107	107	107	429	107
Mil Salary								
House Allow	0	0	289	289	289	289	1,158	289
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	-1,038	-343	-343	-343	-343	-2,411	-343
TOTAL RECUR	0	-1,012	607	607	607	607	1,416	607
TOTAL NET COST	500	9,171	782	607	607	607	12,274	607

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Base: NAS PENSACOLA, FL (N00204)	2006	2007	2008	2009	2010	2011	Total
ONE-TIME COSTS	2006	2007	2008	2009	2010	2011	Total
-----(\$K)-----	-----	-----	-----	-----	-----	-----	-----
CONSTRUCTION							
MILCON	2,115	23,503	0	0	0	0	25,618
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	1,265	0	0	0	0	1,265
Prog Manage	0	0	0	0	0	0	0
Supt Contract	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
PERSONNEL							
CIVIL 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	185	5	5	5	5	205
Misc Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	2,115	24,953	5	5	5	5	27,089

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Starting Year : 2006
 Final Year : 2008
 Payback Year : 2012 (4 Years)

NPV in 2025(\$K): -174,151
 1 Time Cost(\$K): 71,730

Net Costs in 2005 Constant Dollars (\$K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	2,830	31,443	0	0	0	0	34,272	0
Person	0	0	-8,454	-19,374	-19,374	-19,374	-66,577	-19,374
Overhd	1,177	-2,719	-721	-1,383	-1,383	-1,383	-6,414	-1,383
Moving	0	3,634	9,299	0	0	0	12,933	0
Missio	0	0	0	0	0	0	0	0
Other	1,693	17,516	1,657	1,895	2,179	2,463	27,402	2,458
TOTAL	5,700	49,874	1,780	-18,863	-18,579	-18,295	1,617	-18,300

	2006	2007	2008	2009	2010	2011	Total
POSITIONS ELIMINATED							
Off	0	0	5	0	0	0	5
Enl	0	0	184	0	0	0	184
Civ	0	0	30	0	0	0	30
TOT	0	0	219	0	0	0	219

	2006	2007	2008	2009	2010	2011	Total
POSITIONS REALIGNED							
Off	0	0	299	0	0	0	299
Enl	0	0	61	0	0	0	61
Stu	0	0	532	0	0	0	532
Civ	0	0	255	0	0	0	255
TOT	0	0	1,147	0	0	0	1,147

Summary:

This scenario realigned Air Force Primary Undergraduate Pilot Training and Introduction to Fighter Fundamentals Pilot Training out of Moody AFB to a combination of Columbus AFB, Laughlin AFB, Randolph AFB, Sheppard AFB, and Vance AFB. It also realigns Air Force Navigator/Combat System Officer flight training from Randolph AFB to NAS Pensacola.

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Costs in 2005 Constant Dollars (\$K)								
	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	2,830	31,443	0	0	0	0	34,272	0
Person	0	0	3,791	1,761	1,761	1,761	9,075	1,761
Overhd	1,177	1,433	7,095	6,433	6,433	6,433	29,005	6,433
Moving	0	3,634	10,648	0	0	0	14,283	0
Missio	0	0	0	0	0	0	0	0
Other	1,693	17,516	1,657	1,895	2,179	2,463	27,402	2,458
TOTAL	5,700	54,026	23,191	10,089	10,373	10,657	114,037	10,652

Savings in 2005 Constant Dollars (\$K)								
	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	0	12,245	21,135	21,135	21,135	75,652	21,135
Overhd	0	4,152	7,817	7,817	7,817	7,817	35,419	7,817
Moving	0	0	1,350	0	0	0	1,350	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	0	4,152	21,411	28,952	28,952	28,952	112,420	28,952

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(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total

Construction		
Military Construction	34,272,549	
Total - Construction		34,272,549

Personnel		
Civilian RIF	918,372	
Civilian Early Retirement	251,769	
Eliminated Military PCS	788,115	
Unemployment	71,216	
Total - Personnel		2,029,472

Overhead		
Program Management Cost	2,722,145	
Support Contract Termination	0	
Mothball / Shutdown	0	
Total - Overhead		2,722,145

Moving		
Civilian Moving	5,953,542	
Civilian PPP	248,472	
Military Moving	1,787,348	
Freight	744,533	
Information Technologies	2,531,940	
One-Time Moving Costs	3,017,000	
Total - Moving		14,282,835

Other		
HAP / RSE	0	
Environmental Mitigation Costs	2,322,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	16,101,000	
Total - Other		18,423,000

Total One-Time Costs		71,730,002

One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	1,349,783	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	

Total One-Time Savings		1,349,783

Total Net One-Time Costs		70,380,220

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Base: Moody AFB, GA (QSEU)
 (All values in 2005 Constant Dollars)

Category	Cost	Sub-Total

Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	459,186	
Civilian Early Retirement	119,890	
Eliminated Military PCS	680,711	
Unemployment	35,608	
Total - Personnel		1,295,395
Overhead		
Program Management Cost	1,104,829	
Support Contract Termination	0	
Mothball / Shutdown	0	
Total - Overhead		1,104,829
Moving		
Civilian Moving	2,967,334	
Civilian PPP	106,488	
Military Moving	1,189,466	
Freight	414,698	
Information Technologies	99,400	
One-Time Moving Costs	1,088,000	
Total - Moving		5,865,387
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		0

Total One-Time Costs		8,265,611

One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	796,654	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	

Total One-Time Savings		796,654

Total Net One-Time Costs		7,468,957

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Base: Columbus AFB, MS (EEPZ)
 (All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	1,549,000	
Total - Construction		1,549,000
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	232,000	
One Time Moving Costs	0	
Total - Moving		232,000
Other		
HAP / RSE	0	
Environmental Mitigation Costs	518,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	79,000	
Total - Other		597,000
Total One-Time Costs		2,378,000
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		2,378,000

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Base: Laughlin AFB, TX (MXDP)
 (All values in 2005 Constant Dollars)

Category	Cost	Sub Total
Construction		
Military Construction	2,368,000	
Total - Construction		2,368,000
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	510,000	
One-Time Moving Costs	0	
Total - Moving		510,000
Other		
HAP / RSE	0	
Environmental Mitigation Costs	518,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	640,000	
Total - Other		1,158,000
Total One-Time Costs		4,036,000
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		4,036,000

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Base: Randolph AFB, TX (TYMX)
 (All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	2,318,000	
Total - Construction		2,318,000
Personnel		
Civilian RIF	459,186	
Civilian Early Retirement	131,879	
Eliminated Military PCS	107,405	
Unemployment	35,608	
Total - Personnel		734,078
Overhead		
Program Management Cost	1,617,316	
Support Contract Termination	0	
Mothball / Shutdown	0	
Total - Overhead		1,617,316
Moving		
Civilian Moving	2,986,208	
Civilian PPP	141,984	
Military Moving	597,882	
Freight	329,835	
Information Technologies	120,200	
One-Time Moving Costs	1,929,000	
Total - Moving		6,105,108
Other		
HAP / RSE	0	
Environmental Mitigation Costs	292,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	7,600,000	
Total - Other		7,892,000
Total One-Time Costs		18,666,502
One Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	553,129	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		553,129
Total Net One-Time Costs		18,113,373

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Base: Sheppard AFB, TX (VNVP)
 (All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	157,000	
Total - Construction		157,000
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	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	280,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		280,000
Total One-Time Costs		437,000
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		437,000

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Base: Vance AFB, OK (XTLF)
 (All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
-----	-----	-----
Construction		
Military Construction	2,262,000	
Total - Construction		2,262,000
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	305,000	
One-Time Moving Costs	0	
Total - Moving		305,000
Other		
HAP / RSE	0	
Environmental Mitigation Costs	509,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	7,782,000	
Total - Other		8,291,000
-----	-----	-----
Total One Time Costs		10,858,000
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		10,858,000

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Base: NAS PENSACOLA, FL (N00204)
 (All values in 2005 Constant Dollars)

Category	Cost	Sub Total
Construction		
Military Construction	25,618,549	
Total - Construction		25,618,549
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	1,265,340	
One-Time Moving Costs	0	
Total - Moving		1,265,340
Other		
HAP / RSE	0	
Environmental Mitigation Costs	205,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		205,000
Total One-Time Costs		27,088,889
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		27,088,889

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ONE-TIME COSTS -----(\$K)-----	2006	2007	2008	2009	2010	2011	Total
-----	-----	-----	-----	-----	-----	-----	-----
CONSTRUCTION							
MILCON	2,830	31,443	0	0	0	0	34,272
O&M							
CIV SALARY							
Civ RIF	0	0	918	0	0	0	918
Civ Retire	0	0	252	0	0	0	252
CIV MOVING							
Per Diem	0	0	746	0	0	0	746
POV Miles	0	0	37	0	0	0	37
Home Purch	0	0	2,319	0	0	0	2,319
HHG	0	0	1,015	0	0	0	1,015
Misc	0	0	206	0	0	0	206
House Hunt	0	0	549	0	0	0	549
PPP	0	0	248	0	0	0	248
RITA	0	0	1,080	0	0	0	1,080
FREIGHT							
Packing	0	0	68	0	0	0	68
Freight	0	0	640	0	0	0	640
Vehicles	0	0	35	0	0	0	35
Unemployment	0	0	71	0	0	0	71
OTHER							
Info Tech	0	1,705	827	0	0	0	2,532
Prog Manage	1,177	883	662	0	0	0	2,722
Supt Contract	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	0	1,929	1,088	0	0	0	3,017
L PERSONNEL							
IL MOVING							
Per Diem	0	0	87	0	0	0	87
POV Miles	0	0	59	0	0	0	59
HHG	0	0	1,281	0	0	0	1,281
Misc	0	0	360	0	0	0	360
OTHER							
Elim PCS	0	0	788	0	0	0	788
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	1,409	893	5	5	5	5	2,322
Misc Contract	0	0	0	0	0	0	0
1-Time Other	0	16,055	46	0	0	0	16,101
TOTAL ONE-TIME	5,416	52,908	13,391	5	5	5	71,730

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 2/24
 Data As Of 5/5/2005 10:07:15 AM, Report Created 5/5/2005 10:28:38 AM

Department :
 Scenario File : S:\CYPF\DASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R I really
 ve\COBRA 6.10 Update Env with IG Changes\E&T0046R COBRA VERS 6.10 5 May 05.CBR
 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

RECURRING COSTS	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
O&M								
Sustainment	0	283	283	283	283	283	1,417	283
Recap	0	266	266	266	266	266	1,331	266
BOS	0	0	3,559	3,559	3,559	3,559	14,237	3,559
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	284	568	1,606	1,890	2,174	2,458	8,979	2,458
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	1,761	1,761	1,761	1,761	7,045	1,761
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	2,324	2,324	2,324	2,324	9,297	2,324
TOTAL RECUR	284	1,118	9,800	10,084	10,368	10,652	42,307	10,652
TOTAL COST	5,700	54,026	23,191	10,089	10,373	10,657	114,037	10,652
ONE-TIME SAVES	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
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	1,350	0	0	0	1,350	
OTHER								
Environmental	0	0	0	0	0	0	0	
1 Time Other	0	0	0	0	0	0	0	
TOTAL ONE-TIME	0	0	1,350	0	0	0	1,350	
RECURRING SAVES	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
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	3,665	3,665	3,665	3,665	14,659	3,665
Civ Salary	0	0	997	1,995	1,995	1,995	6,982	1,995
MIL PERSONNEL								
Off Salary	0	0	312	625	625	625	2,187	625
Enl Salary	0	0	7,581	15,161	15,161	15,161	53,065	15,161
House Allow	0	0	3,354	3,354	3,354	3,354	13,418	3,354
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	4,152	4,152	4,152	4,152	4,152	20,760	4,152
TOTAL RECUR	0	4,152	20,062	28,952	28,952	28,952	111,071	28,952
TOTAL SAVINGS	0	4,152	21,411	28,952	28,952	28,952	112,420	28,952

Department :
 Scenario File : S:\CYPF\DASN_IA\Education and Training\Flight Training Subgroup\Scenario E&T 0046R I really
 ve\COBRA 6.10 Update Env with IG Changes\E&T0046R COBRA VERS 6.10 5 May 05.CBR
 Option Pkg Name: Scenario E&T0046R
 Std Fctrs File : C:\COBRA\COBRA 6.10\BRAC2005.SFF

ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	-----	-----	-----	-----	-----	-----	-----	-----
CONSTRUCTION								
MILCON	2,830	31,443	0	0	0	0	34,272	
O&M								
Civ Retir/RIF	0	0	1,170	0	0	0	1,170	
Civ Moving	0	0	6,946	0	0	0	6,946	
Info Tech	0	1,705	827	0	0	0	2,532	
Other	1,177	2,812	1,821	0	0	0	5,810	
MIL PERSONNEL								
Mil Moving	0	0	1,226	0	0	0	1,226	
OTHER								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	1,409	893	5	5	5	5	2,322	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	16,055	46	0	0	0	16,101	
TOTAL ONE-TIME	5,416	52,908	12,041	5	5	5	68,058	
RECURRING NET								
-----(\$K)-----	-----	-----	-----	-----	-----	-----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	283	283	283	283	283	1,417	283
Recap	0	266	266	266	266	266	1,331	266
BOS	0	0	-105	-105	-105	-105	-422	-105
Civ Salary	0	0	-997	-1,995	-1,995	-1,995	-6,982	-1,995
TRICARE	284	568	1,606	1,890	2,174	2,458	8,979	2,458
MIL PERSONNEL								
Mil Salary	0	0	-7,893	-15,786	-15,786	-15,786	-55,252	15,786
House Allow	0	0	-1,593	-1,593	-1,593	-1,593	-6,373	-1,593
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	-4,152	-1,828	-1,828	-1,828	-1,828	-11,463	-1,828
TOTAL RECUR	284	-3,034	-10,261	-18,868	-18,584	-18,300	-68,763	-18,300
TOTAL NET COST	5,700	49,874	1,780	-18,863	-18,579	-18,295	1,617	-18,300

Economic Impact Report

This report depicts the economic impact of the following Scenarios:

ET 0046R: Realign Moody AFB's UFT/IFF and Consolidate UNT at NAS Pensacola

The data in this report is rolled up by Region of Influence

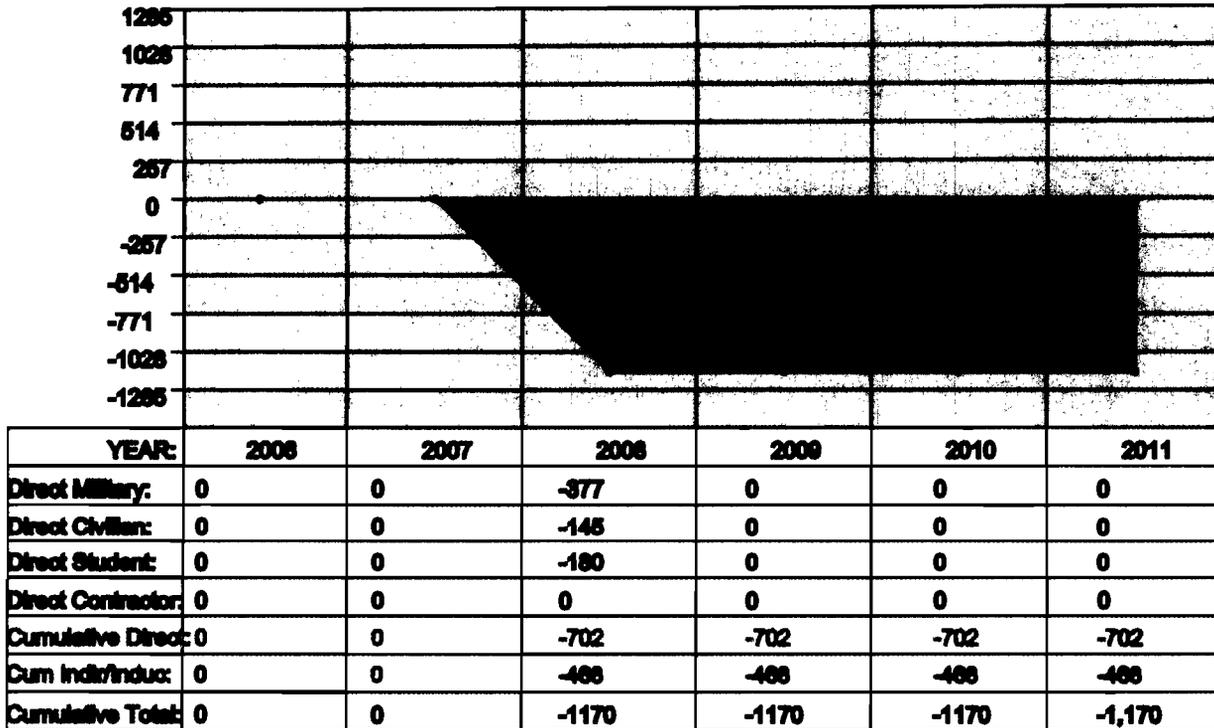
ECONOMIC IMPACT DATA

Scenario: All Selected (see title page)
 Economic Region of Influence(ROI): Valdosta, GA Metropolitan Statistical Area
 Base: All Bases
 Action: All Actions

Overall Economic Impact of Proposed BRAC-05 Action:

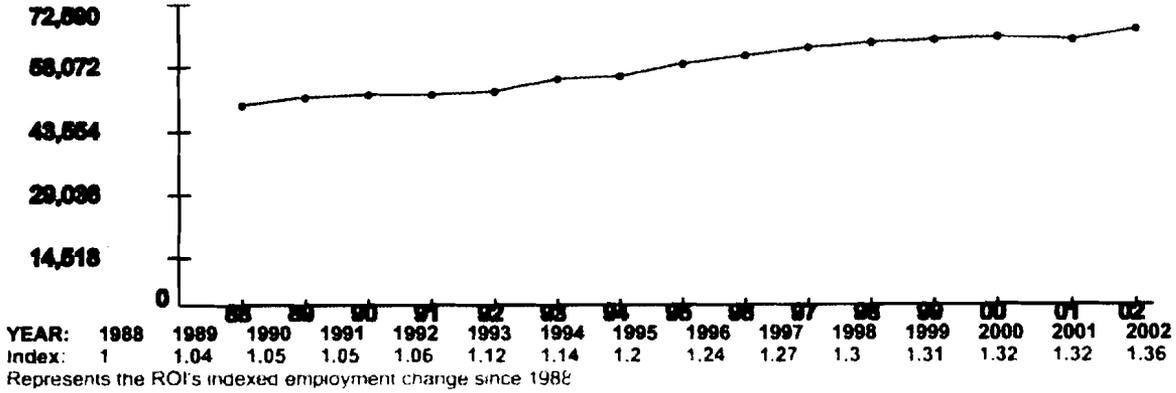
ROI Population (2002):	120,978
ROI Employment (2002):	65,992
Authorized Manpower (2005):	4,062
Authorized Manpower(2005) / ROI Employment(2002):	6.16%
Total Estimated Job Change:	-1,170
Total Estimated Job Change / ROI Employment(2002):	-1.77%

Cumulative Job Change (Gain/Loss) Over Time:

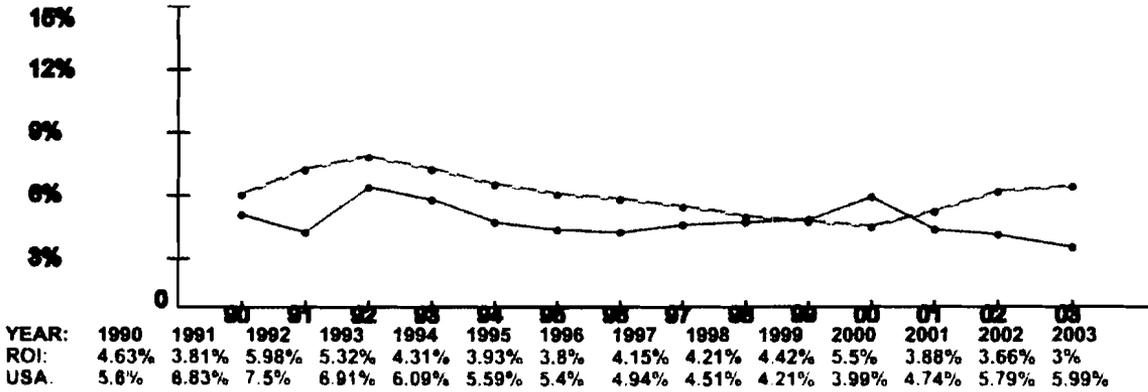


Valdosta, GA Metropolitan Statistical Area Trend Data

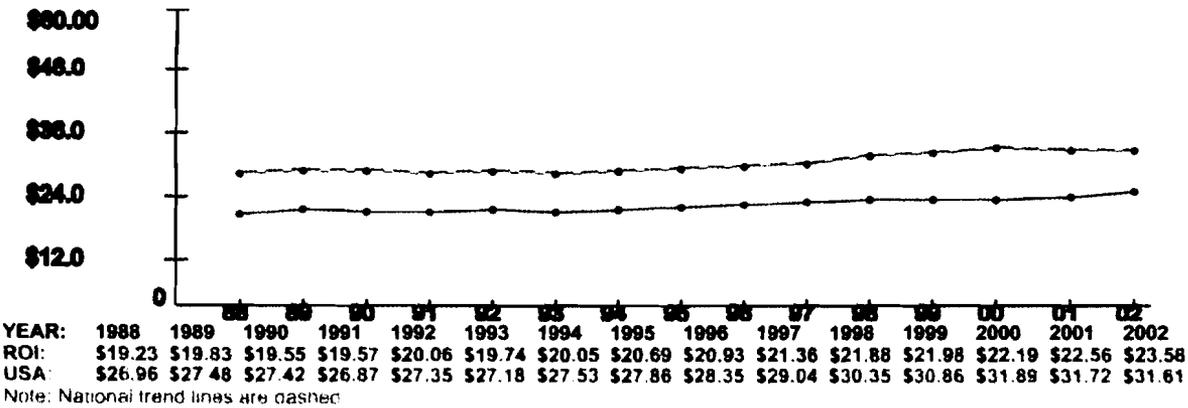
Employment Trend (1988-2002)



Unemployment Percentage Trend (1990-2003)



Per Capita Income x \$1,000 (1988-2002)



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

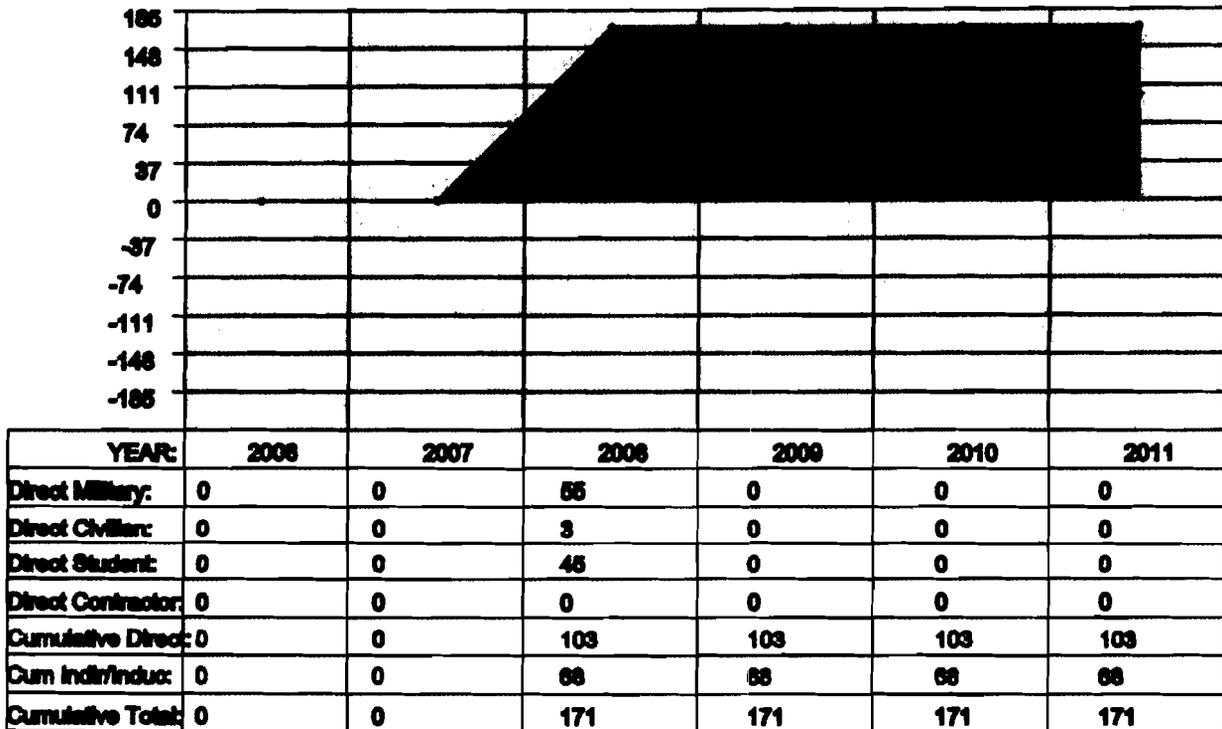
ECONOMIC IMPACT DATA

Scenario: All Selected (see title page)
Economic Region of Influence(ROI): Columbus, MS Micropolitan Statistical Area
Base: All Bases
Action: All Actions

Overall Economic Impact of Proposed BRAC-05 Action:

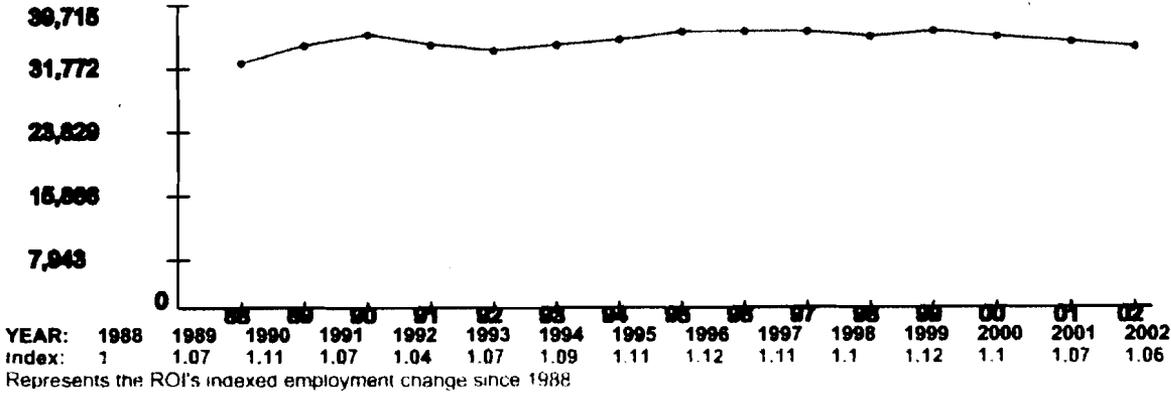
ROI Population (2002): 60,826
 ROI Employment (2002): 34,053
 Authorized Manpower (2005): 1,779
 Authorized Manpower(2005) / ROI Employment(2002): 5.22%
 Total Estimated Job Change: 171
 Total Estimated Job Change / ROI Employment(2002): 0.5%

Cumulative Job Change (Gain/Loss) Over Time:

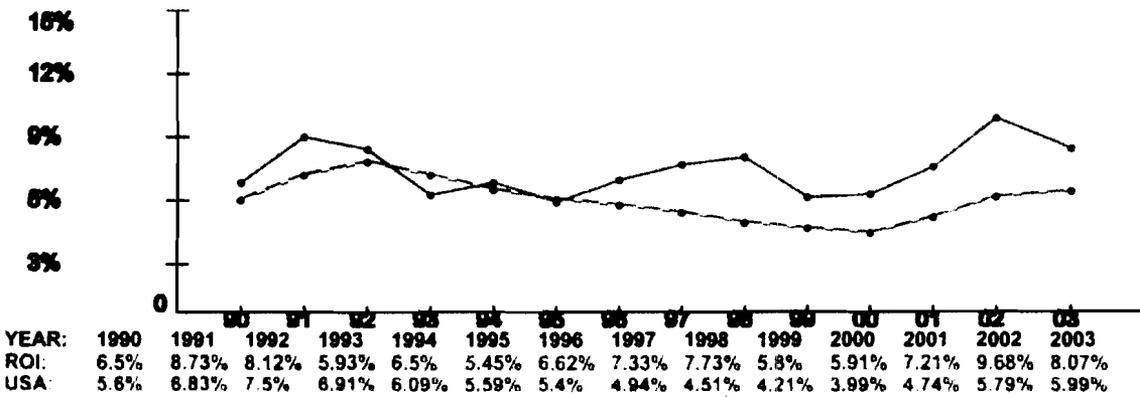


Columbus, MS Micropolitan Statistical Area Trend Data

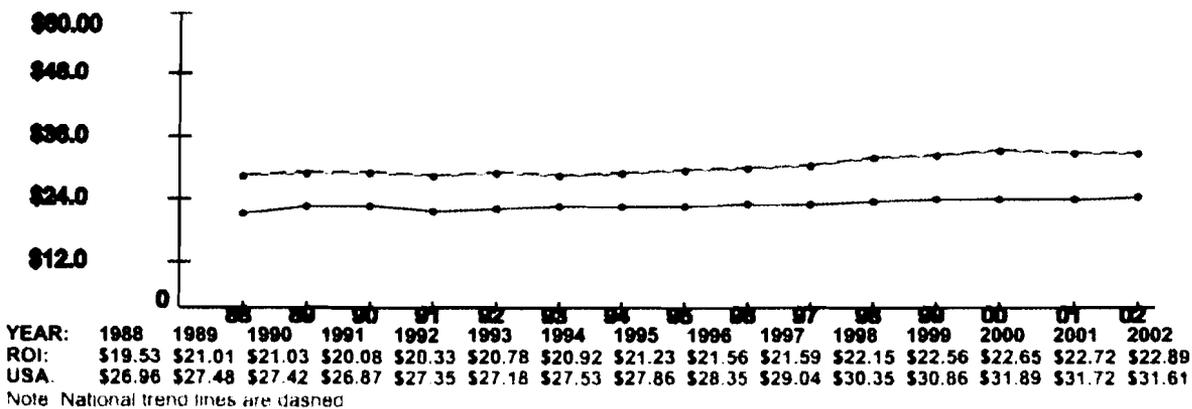
Employment Trend (1988-2002)



Unemployment Percentage Trend (1990-2003)



Per Capita Income x \$1,000 (1988-2002)



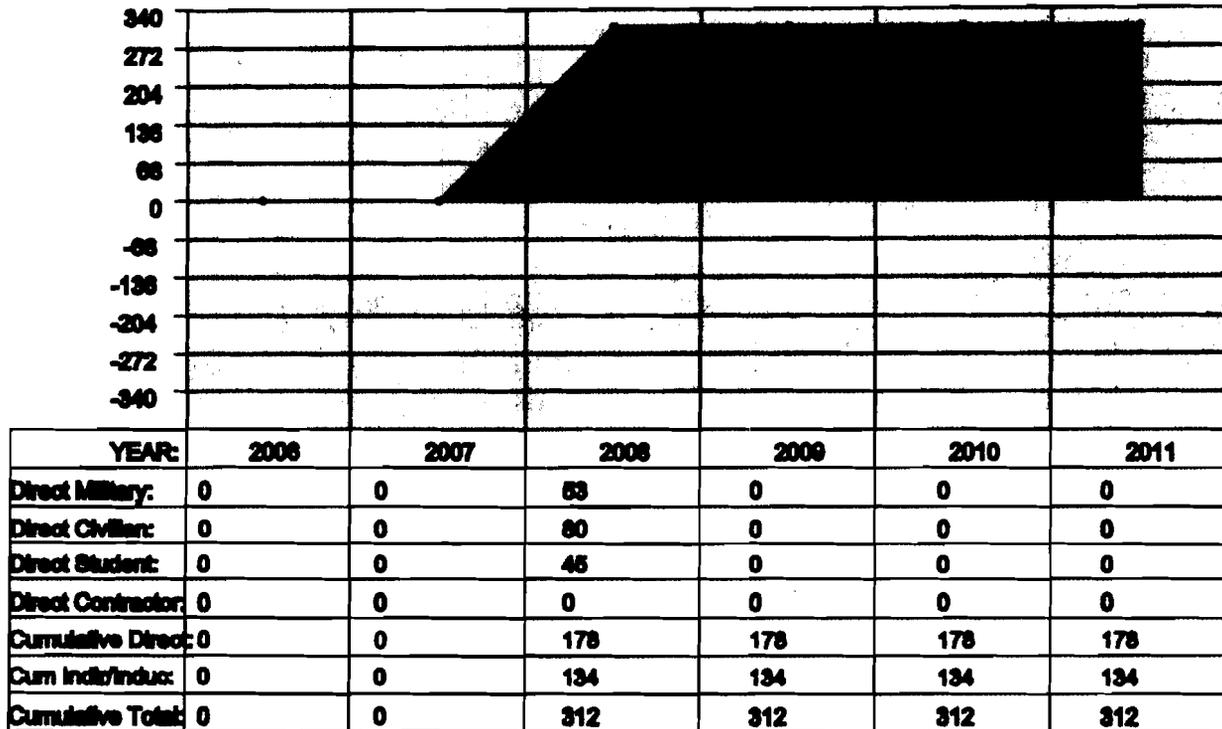
ECONOMIC IMPACT DATA

Scenario: All Selected (see title page)
 Economic Region of Influence(ROI): Del Rio, TX Micropolitan Statistical Area
 Base: All Bases
 Action: All Actions

Overall Economic Impact of Proposed BRAC-05 Action:

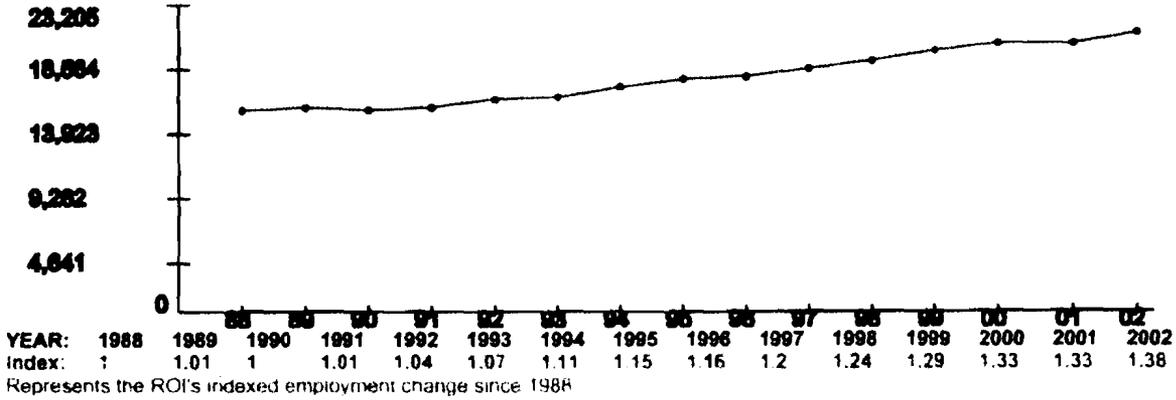
ROI Population (2002):	45,789
ROI Employment (2002):	21,096
Authorized Manpower (2005):	2,221
Authorized Manpower(2005) / ROI Employment(2002):	10.53%
Total Estimated Job Change:	312
Total Estimated Job Change / ROI Employment(2002):	1.48%

Cumulative Job Change (Gain/Loss) Over Time:

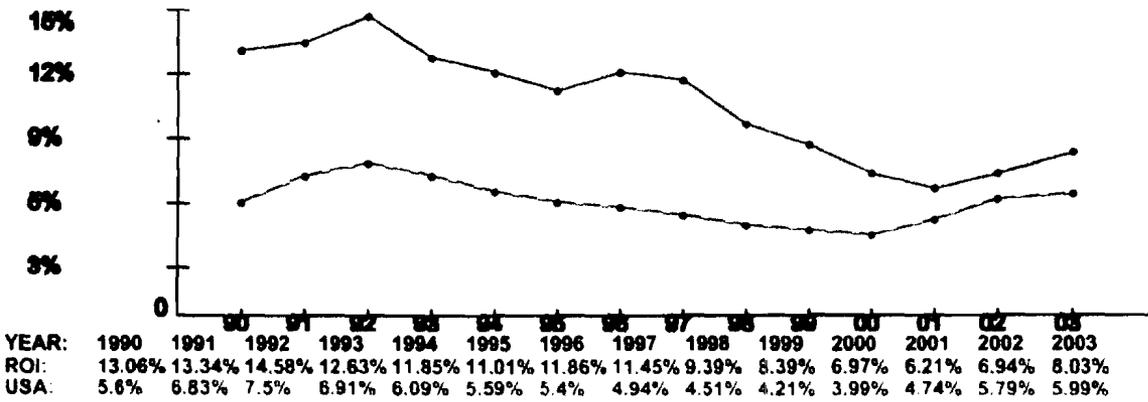


Del Rio, TX Micropolitan Statistical Area Trend Data

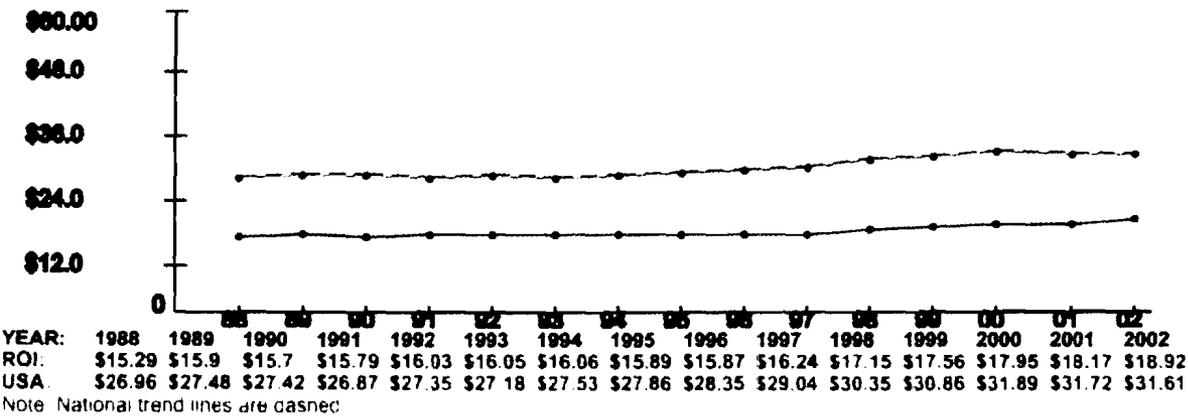
Employment Trend (1988-2002)



Unemployment Percentage Trend (1990-2003)

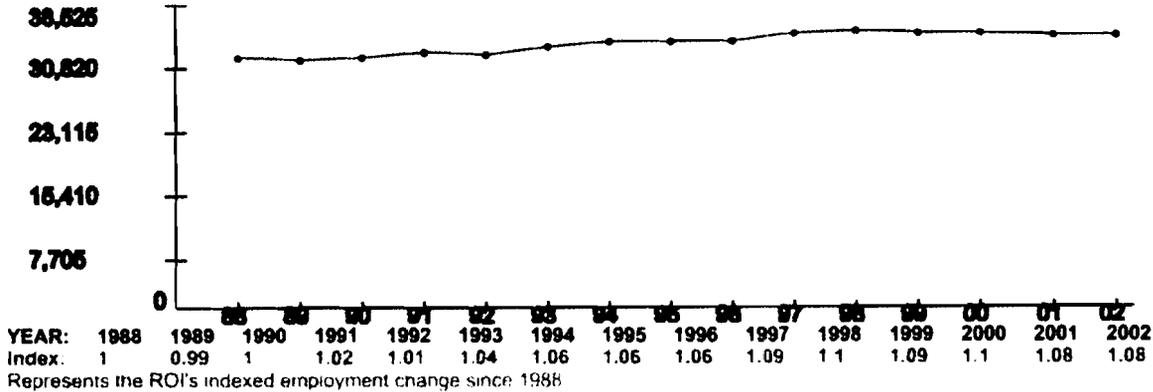


Per Capita Income x \$1,000 (1988-2002)

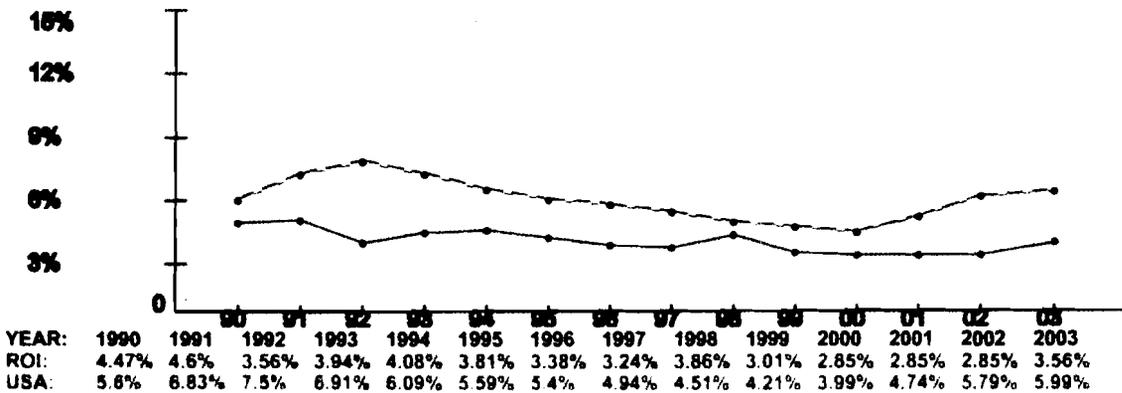


Enid, OK Micropolitan Statistical Area Trend Data

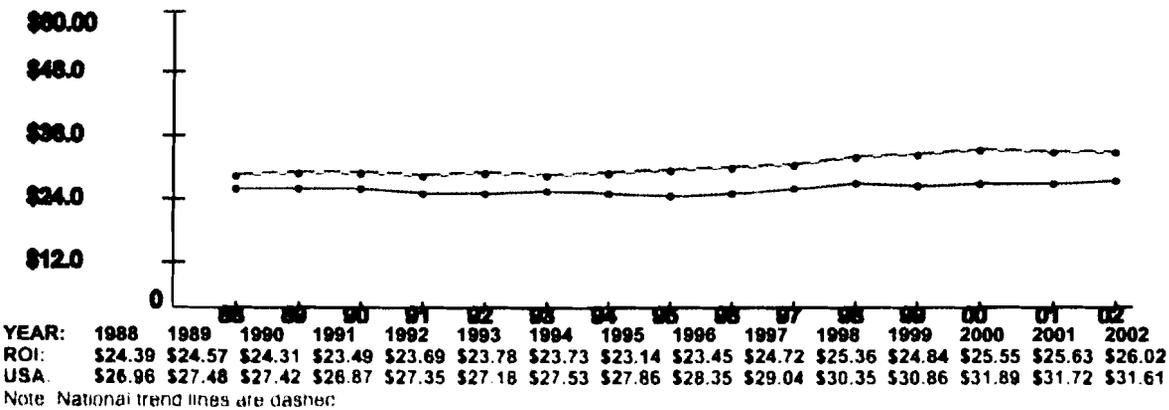
Employment Trend (1988-2002)



Unemployment Percentage Trend (1990-2003)



Per Capita Income x \$1,000 (1988-2002)



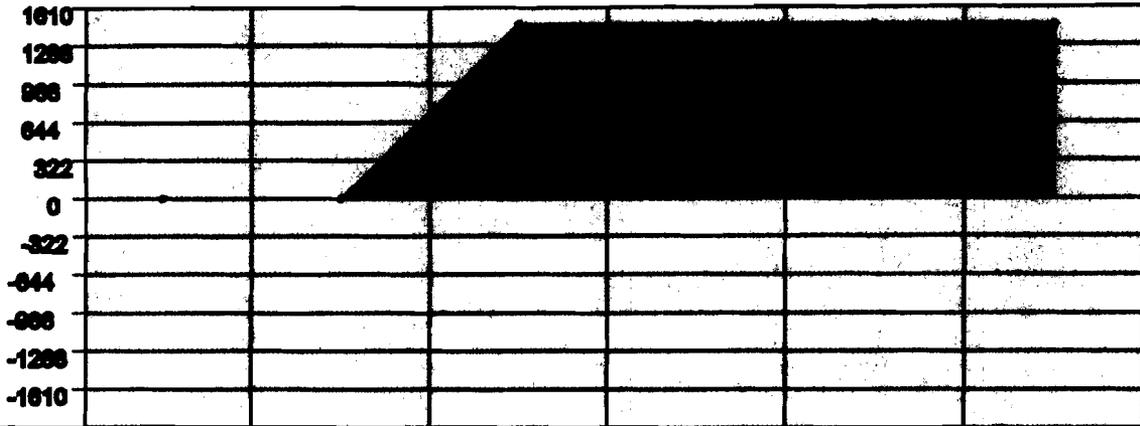
ECONOMIC IMPACT DATA

Scenario: All Selected (see title page)
 Economic Region of Influence(ROI): Pensacola-Ferry Pass-Brent, FL Metropolitan Statistical Area
 Base: All Bases
 Action: All Actions

Overall Economic Impact of Proposed BRAC-05 Action:

ROI Population (2002):	423,727
ROI Employment (2002):	210,512
Authorized Manpower (2005):	14,614
Authorized Manpower(2005) / ROI Employment(2002):	6.94%
Total Estimated Job Change:	1,467
Total Estimated Job Change / ROI Employment(2002):	0.7%

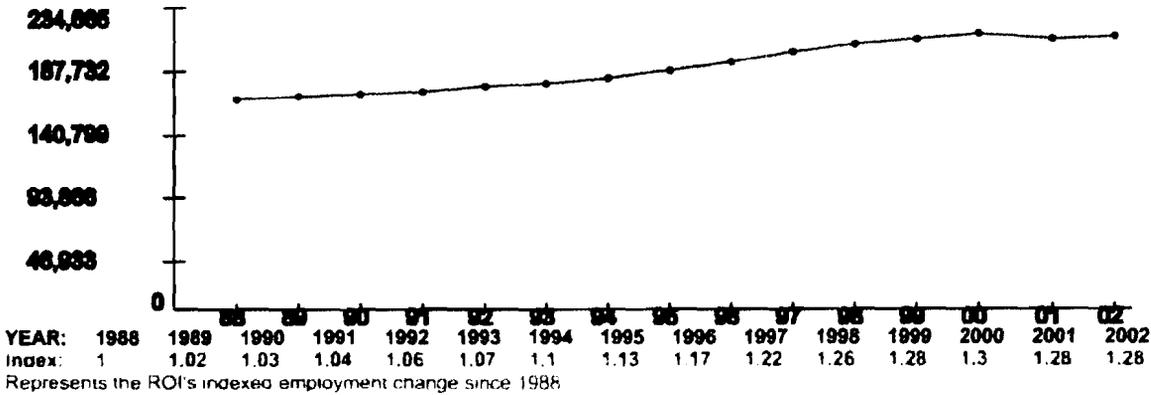
Cumulative Job Change (Gain/Loss) Over Time:



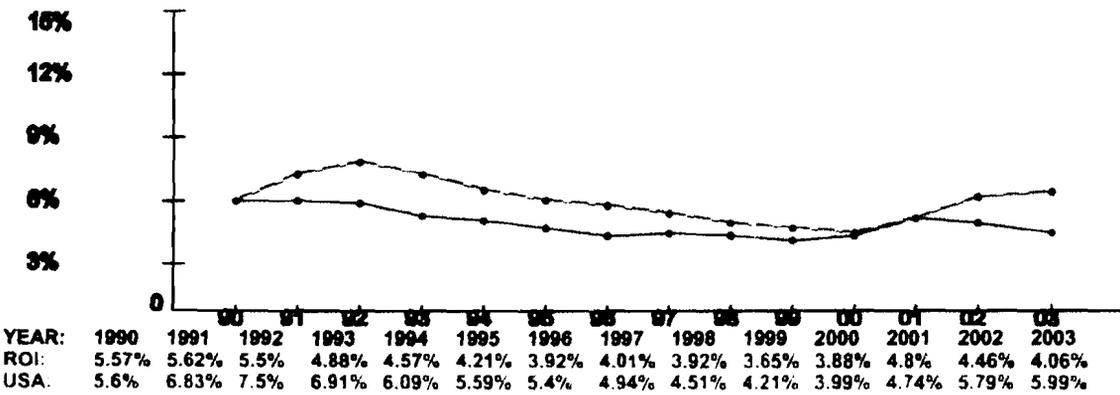
YEAR:	2006	2007	2008	2009	2010	2011
Direct Military:	0	0	180	0	0	0
Direct Civilian:	0	0	123	0	0	0
Direct Student:	0	0	322	0	0	0
Direct Contractor:	0	0	0	0	0	0
Cumulative Direct:	0	0	625	625	625	625
Cum Indirect:	0	0	842	842	842	842
Cumulative Total:	0	0	1467	1467	1467	1,467

Pensacola-Ferry Pass-Brent, FL Metropolitan Statistical Area Trend Data

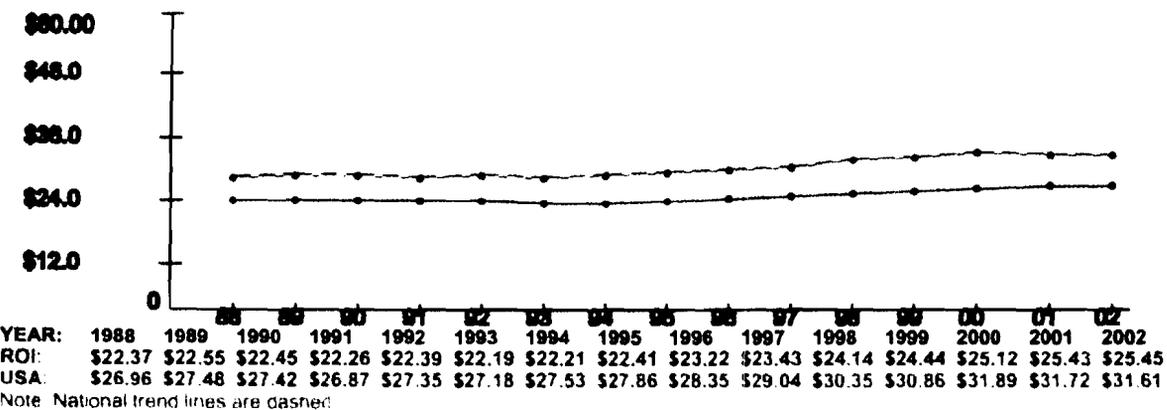
Employment Trend (1988-2002)



Unemployment Percentage Trend (1990-2003)



Per Capita Income x \$1,000 (1988-2002)



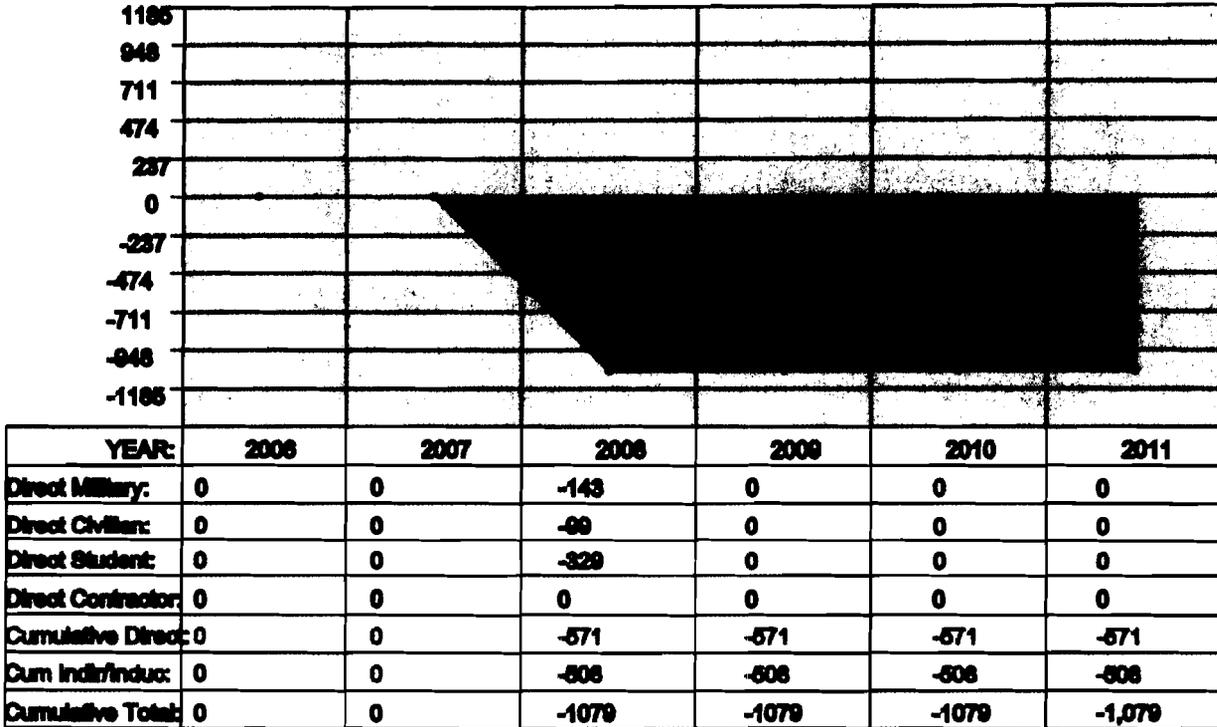
ECONOMIC IMPACT DATA

Scenario: All Selected (see title page)
Economic Region of Influence(ROI): San Antonio, TX Metropolitan Statistical Area
Base: All Bases
Action: All Actions

Overall Economic Impact of Proposed BRAC-05 Action:

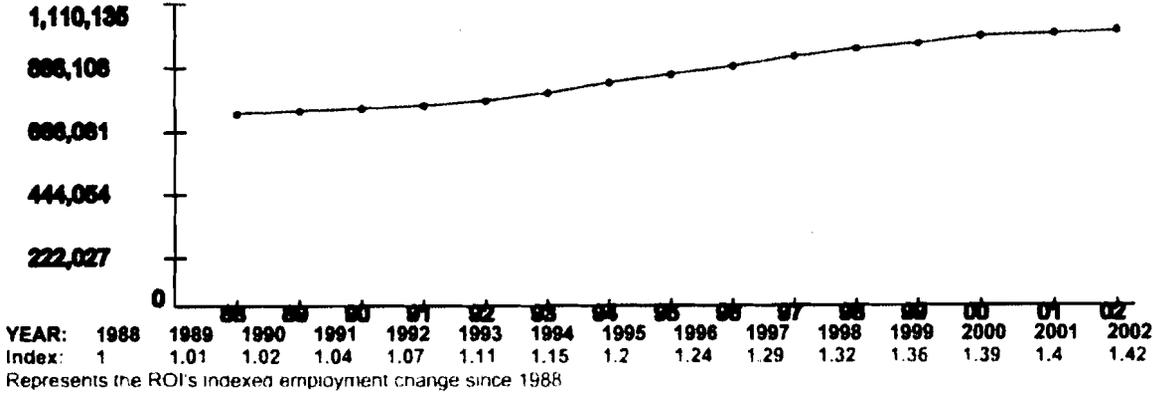
ROI Population (2002): 1,786,138
 ROI Employment (2002): 1,009,217
 Authorized Manpower (2005): 8,804
 Authorized Manpower(2005) / ROI Employment(2002): 0.87%
 Total Estimated Job Change: -1,079
 Total Estimated Job Change / ROI Employment(2002): -0.11%

Cumulative Job Change (Gain/Loss) Over Time:

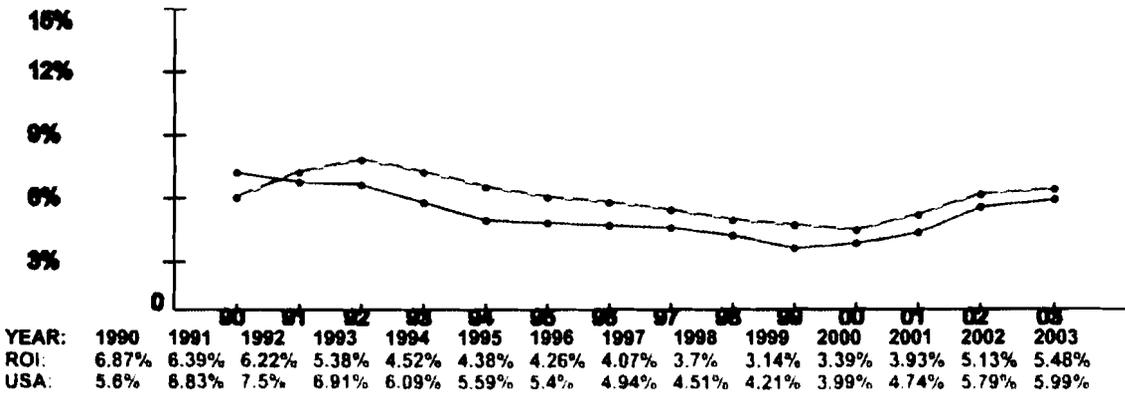


San Antonio, TX Metropolitan Statistical Area Trend Data

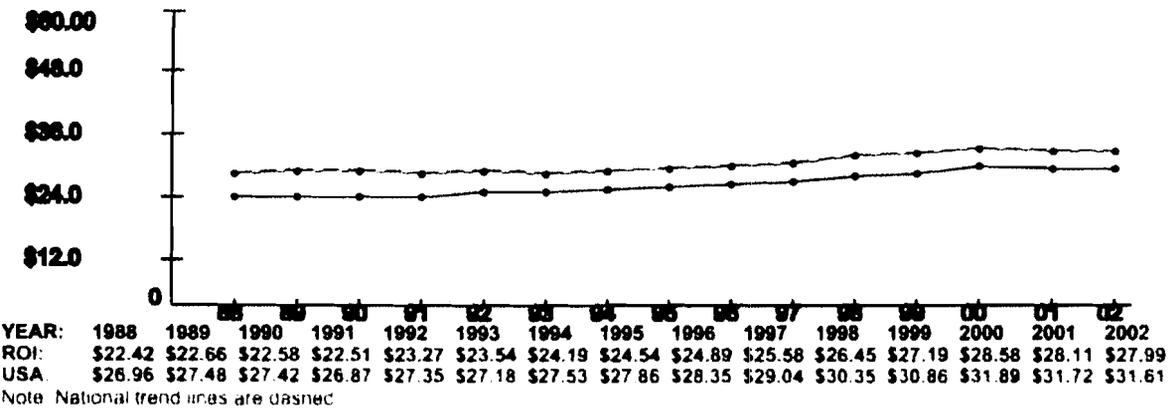
Employment Trend (1988-2002)



Unemployment Percentage Trend (1990-2003)



Per Capita Income x \$1,000 (1988-2002)



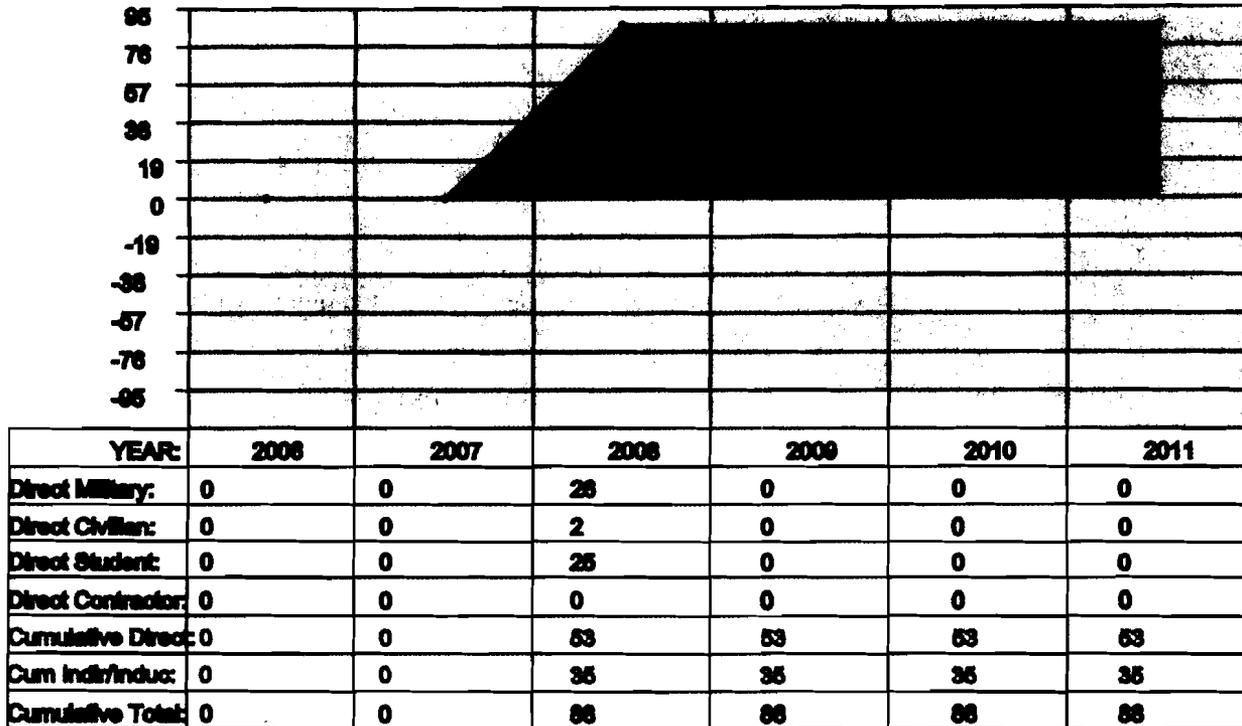
ECONOMIC IMPACT DATA

Scenario: All Selected (see title page)
 Economic Region of Influence(ROI): Wichita Falls, TX Metropolitan Statistical Area
 Base: All Bases
 Action: All Actions

Overall Economic Impact of Proposed BRAC-05 Action:

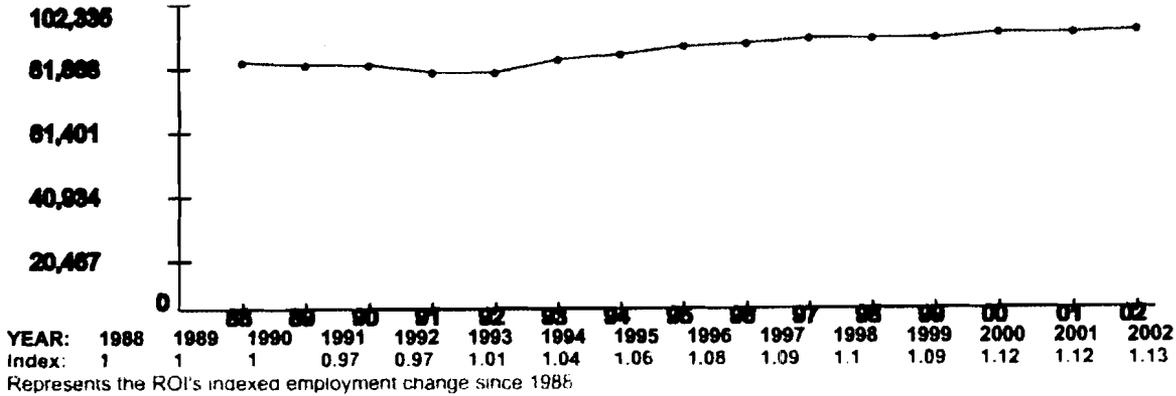
ROI Population (2002):	149,788
ROI Employment (2002):	93,033
Authorized Manpower (2005):	9,123
Authorized Manpower(2005) / ROI Employment(2002):	9.81%
Total Estimated Job Change:	88
Total Estimated Job Change / ROI Employment(2002):	0.09%

Cumulative Job Change (Gain/Loss) Over Time:

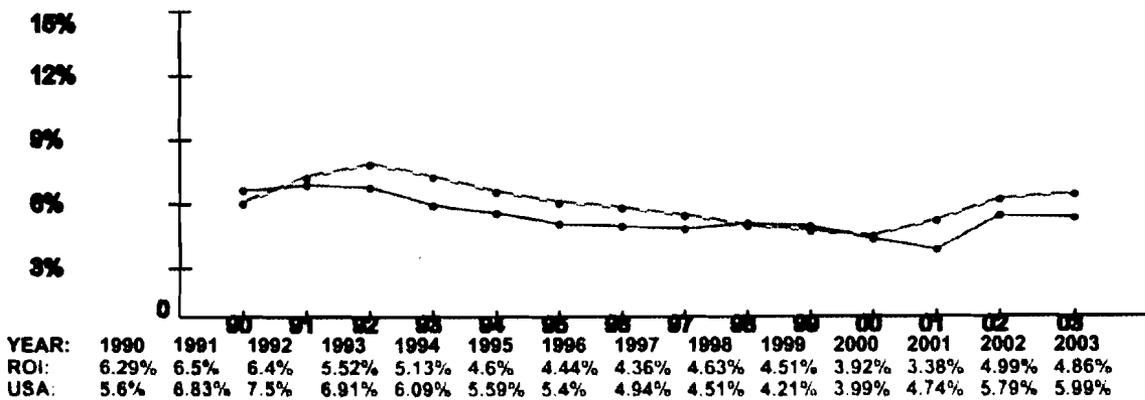


Wichita Falls, TX Metropolitan Statistical Area Trend Data

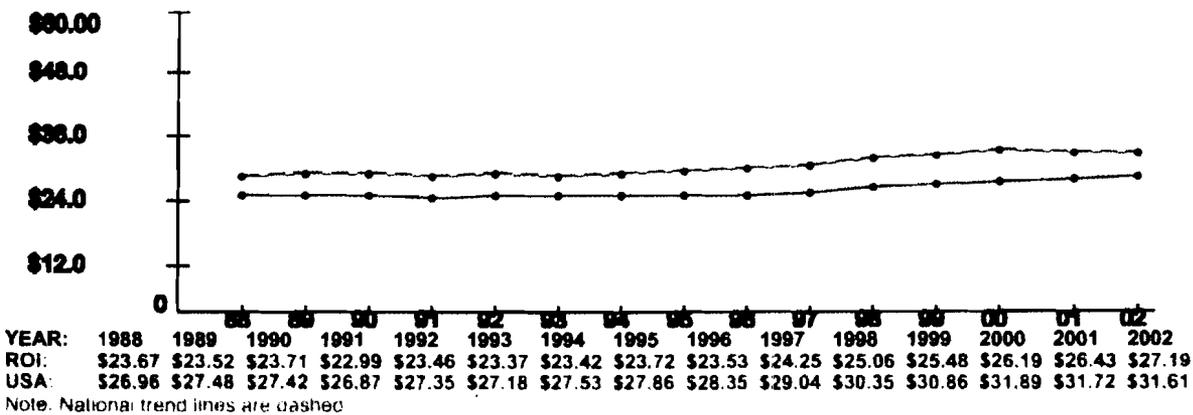
Employment Trend (1988-2002)



Unemployment Percentage Trend (1990-2003)



Per Capita Income x \$1,000 (1988-2002)



INSTALLATION CRITERIA 7 PROFILE

Columbus AFB, MS

Demographics

The following tables provide a short description of the area near the installation/activity. Columbus AFB is 117.3 miles from Birmingham, AL, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Tuscaloosa, AL MSA	164,875

The following entities comprise the military housing area (MHA):

County/City	Population
Clay	21979
Lowndes	61586
Monroe	38014
Oktibbeha	42902
Total	164,481

Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 2

Cost of Living

Cost of Living provides a relative measure of cost of living in the local community. General Schedule (GS) Locality Pay provides a relative scale to compare local salaries with government salaries and Basic Allowance for Housing (BAH) is an indicator of the local rental market. In-state tuition is an indicator of the support provided by the state for active duty family members to participate in higher-level education opportunities.

Median Household Income	(US Avg \$41,994)	\$29,184	Basis: 4 of 4 counties
Median House Value	(US Avg \$119,600)	\$74,263	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$ 861	
In-state Tuition for Family Member		Yes	
In-state Tuition Continues if Member PCSs Out of State		No	

Education

This attribute defines the population in local school districts and identifies capacity. The pupil/teacher ratio, graduation rate, percentage of certified teachers and composite SAT I/ACT scores provide a relative quality indicator of education. This attribute also attempts to give communities credit for the potential intellectual capital they provide.

NOTE: "MFR" means a Memorandum For Record is on file at the installation/activity/agency to document problems in obtaining the required information. Reasons for not being able to obtain

information may be that the school district refused to provide the information or the school district does not use or track the information.

If the installation/activity/agency has incomplete information from the local school system in order to accurately compute a score in this area, the number of school districts reporting information will be captured in addition to the computed answer.

		Basis
School District(s) Capacity	31,472	9 of 9 districts
Students Enrolled	25,122	9 of 9 districts
Average Pupil/Teacher Ratio	15.3:1	9 of 9 districts
High School Students Enrolled	9,421	8 of 8 districts
Average High School Graduation Rate (US Avg 67.3%)	81.0%	8 of 8 districts
Average Composite SAT I Score (US Avg 1026)	1160	4 of 8 districts
Average ACT Score (US Avg 20.8)	18	8 of 8 districts
Available Graduate/PhD Programs	2	
Available Colleges and/or Universities	3	
Available Vocational and/or Technical Schools	1	

Employment

Unemployment and job growth rates provide a relative merit of job availability in the local community. National rates from the Bureau of Labor Statistics are also provided.

The unemployment rates for the last five-years:

	1999	2000	2001	2002	2003
Local Data	5.4%	6.3%	7.3%	8.7%	8.0%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	4 of 4 counties				

The annual job growth rate for the last five-years:

	1999	2000	2001	2002	2003
Local Data	.9%	.9%	-.8%	-4.1%	2.7%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	4 of 4 counties				

Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community. Note: according to the 2000 Census, Vacant Sale and Vacant Rental Units do not

equal Total Vacant Housing Units; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	5,945	Basis: 4 of 4 counties
Vacant Sale Units	885	
Vacant Rental Units	1,921	

Medical Providers

This attribute provides an indicator of availability of medical care for military and DoD civilians in the local community. The table reflects the raw number of physicians/beds and ratio of physicians/beds to population.

	# Physicians	# Beds	Population	Basis:
Local Community	211	604	164,481	
Ratio	1:780	1:272		
National Ratio (2003)	1:421.2	1:373.7		

Safety/Crime

The local community's Uniform Crime Reports (UCR) Index for 2002 per 100,000 people and the national UCR based on information from the Federal Bureau of Investigation (FBI) for 2002:

Local UCR		Basis:
National UCR	4,118.8	

Transportation

Distance to an airport shows convenience and availability of airline transportation. Public transportation shows potential for members and DoD civilians to use it to commute to/from work under normal circumstances and for leisure.

Distance from Columbus AFB to nearest commercial airport: 18.0 miles
Is Columbus AFB served by regularly scheduled public transportation? No

Utilities

This attribute identifies a local community's water and sewer systems' ability to receive 1,000 additional people.

Does the local community's water system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

Does the local community's sewer system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

INSTALLATION CRITERIA 7 PROFILE

Laughlin AFB, TX

Demographics

The following tables provide a short description of the area near the installation/activity. Laughlin AFB is 153.9 miles from San Antonio, TX, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
San Antonio, TX MSA	1,592,383

The following entities comprise the military housing area (MHA):

County/City	Population
Kinney	3379
Maverick	47297
Val Verde	44856

Total	95,532
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Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 0

Cost of Living

Cost of Living provides a relative measure of cost of living in the local community. General Schedule (GS) Locality Pay provides a relative scale to compare local salaries with government salaries and Basic Allowance for Housing (BAH) is an indicator of the local rental market. In-state tuition is an indicator of the support provided by the state for active duty family members to participate in higher-level education opportunities.

Median Household Income	(US Avg \$41,994)	\$24,837	Basis: 3 of 3 counties
Median House Value	(US Avg \$119,600)	\$53,988	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$ 979	
In-state Tuition for Family Member		Yes	
In-state Tuition Continues if Member PCSs Out of State		Yes	

Education

This attribute defines the population in local school districts and identifies capacity. The pupil/teacher ratio, graduation rate, percentage of certified teachers and composite SAT I/ACT scores provide a relative quality indicator of education. This attribute also attempts to give communities credit for the potential intellectual capital they provide.

NOTE: "MFR" means a Memorandum For Record is on file at the installation/activity/agency to document problems in obtaining the required information. Reasons for not being able to obtain information may be that the school district refused to provide the information or the school district does not use or track the information.

If the installation/activity/agency has incomplete information from the local school system in order to accurately compute a score in this area, the number of school districts reporting information will be captured in addition to the computed answer.

		Basis
School District(s) Capacity	21,166	12 of 14 districts
Students Enrolled	19,890	14 of 14 districts
Average Pupil/Teacher Ratio	17.6:1	14 of 14 districts
High School Students Enrolled	3,357	4 of 4 districts
Average High School Graduation Rate (US Avg 67.3%)	76.0%	4 of 4 districts
Average Composite SAT I Score (US Avg 1026)	908	4 of 4 districts
Average ACT Score (US Avg 20.8)	18	4 of 4 districts
Available Graduate/PhD Programs	1	
Available Colleges and/or Universities	2	
Available Vocational and/or Technical Schools	1	

Employment

Unemployment and job growth rates provide a relative merit of job availability in the local community. National rates from the Bureau of Labor Statistics are also provided.

The unemployment rates for the last five-years:

	1999	2000	2001	2002	2003
Local Data	14.9%	14.2%	14.8%	15.7%	15.2%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	3 of 3 counties				

The annual job growth rate for the last five-years:

	1999	2000	2001	2002	2003
Local Data	3.6%	1.8%	.4%	2.6%	6.5%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	3 of 3 counties				

Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community. Note: according to the 2000 Census, Vacant Sale and Vacant Rental Units do not equal Total Vacant Housing Units; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	4,530	Basis: 3 of 3 counties
Vacant Sale Units	537	
Vacant Rental Units	844	

Medical Providers

This attribute provides an indicator of availability of medical care for military and DoD civilians in the local community. The table reflects the raw number of physicians/beds and ratio of physicians/beds to population.

	# Physicians	# Beds	Population	Basis:
Local Community	72	154	95,532	
Ratio	1:1,327	1:620		
National Ratio (2003)	1:421.2	1:373.7		

Safety/Crime

The local community's Uniform Crime Reports (UCR) Index for 2002 per 100,000 people and the national UCR based on information from the Federal Bureau of Investigation (FBI) for 2002:

Local UCR		Basis:
National UCR	4,118.8	

Transportation

Distance to an airport shows convenience and availability of airline transportation. Public transportation shows potential for members and DoD civilians to use it to commute to/from work under normal circumstances and for leisure.

Distance from Laughlin AFB to nearest commercial airport: 175.0 miles
Is Laughlin AFB served by regularly scheduled public transportation? No

Utilities

This attribute identifies a local community's water and sewer systems' ability to receive 1,000 additional people.

Does the local community's water system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

Does the local community's sewer system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

INSTALLATION CRITERIA 7 PROFILE

Moody AFB, GA

Demographics

The following tables provide a short description of the area near the installation/activity. Moody AFB is 76.1 miles from Tallahassee, FL, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Tallahassee, FL MSA	284,539

The following entities comprise the military housing area (MHA):

County/City	Population
Berrien	16235
Brooks	16450
Cook	15771
Lanier	7241
Lowndes	92115
Total	147,812

Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 0

Cost of Living

Cost of Living provides a relative measure of cost of living in the local community. General Schedule (GS) Locality Pay provides a relative scale to compare local salaries with government salaries and Basic Allowance for Housing (BAH) is an indicator of the local rental market. In-state tuition is an indicator of the support provided by the state for active duty family members to participate in higher-level education opportunities.

Median Household Income	(US Avg \$41,994)	\$30,691	Basis: 5 of 5 counties
Median House Value	(US Avg \$119,600)	\$79,458	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$ 824	
In-state Tuition for Family Member		Yes	
In-state Tuition Continues if Member PCSs Out of State		Yes	

Education

This attribute defines the population in local school districts and identifies capacity. The pupil/teacher ratio, graduation rate, percentage of certified teachers and composite SAT I/ACT scores provide a relative quality indicator of education. This attribute also attempts to give communities credit for the potential intellectual capital they provide.

NOTE: "MFR" means a Memorandum For Record is on file at the installation/activity/agency to document problems in obtaining the required information. Reasons for not being able to obtain information may be that the school district refused to provide the information or the school district does not use or track the information.

If the installation/activity/agency has incomplete information from the local school system in order to accurately compute a score in this area, the number of school districts reporting information will be captured in addition to the computed answer.

		Basis
School District(s) Capacity	38,315	6 of 6 districts
Students Enrolled	26,524	6 of 6 districts
Average Pupil/Teacher Ratio	20.3:1	6 of 6 districts
High School Students Enrolled	7,395	6 of 6 districts
Average High School Graduation Rate (US Avg 67.3%)	81.0%	6 of 6 districts
Average Composite SAT I Score (US Avg 1026)	954	6 of 6 districts
Average ACT Score (US Avg 20.8)	20	6 of 6 districts
Available Graduate/PhD Programs	1	
Available Colleges and/or Universities	2	
Available Vocational and/or Technical Schools	1	

Employment

Unemployment and job growth rates provide a relative merit of job availability in the local community. National rates from the Bureau of Labor Statistics are also provided.

The unemployment rates for the last five-years:

	1999	2000	2001	2002	2003
Local Data	4.7%	5.6%	4.2%	3.9%	3.3%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	5 of 5 counties				

The annual job growth rate for the last five-years:

	1999	2000	2001	2002	2003
Local Data	.3%	.8%	-2.7%	2.2%	5.9%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	5 of 5 counties				

Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community. Note: according to the 2000 Census, Vacant Sale and Vacant Rental Units do not

equal Total Vacant Housing Units; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	6,793	Basis: 5 of 5 counties
Vacant Sale Units	902	
Vacant Rental Units	2,636	

Medical Providers

This attribute provides an indicator of availability of medical care for military and DoD civilians in the local community. The table reflects the raw number of physicians/beds and ratio of physicians/beds to population.

	# Physicians	# Beds	Population	Basis:
Local Community	205	837	147,812	
Ratio	1:721	1:177		
National Ratio (2003)	1:421.2	1:373.7		

Safety/Crime

The local community's Uniform Crime Reports (UCR) Index for 2002 per 100,000 people and the national UCR based on information from the Federal Bureau of Investigation (FBI) for 2002:

Local UCR		Basis:
National UCR	4,118.8	

Transportation

Distance to an airport shows convenience and availability of airline transportation. Public transportation shows potential for members and DoD civilians to use it to commute to/from work under normal circumstances and for leisure.

Distance from Moody AFB to nearest commercial airport: 11.4 miles
Is Moody AFB served by regularly scheduled public transportation? No

Utilities

This attribute identifies a local community's water and sewer systems' ability to receive 1,000 additional people.

Does the local community's water system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

Does the local community's sewer system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

INSTALLATION CRITERIA 7 PROFILE

NAS_PENSACOLA_FL, FL

Demographics

The following tables provide a short description of the area near the installation/activity. NAS_PENSACOLA_FL is 58 miles from Mobile, AL, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Pensacola, FL MSA	412,153

The following entities comprise the military housing area (MHA):

County/City	Population
Escambia	294410
Santa Rosa	117743
Total	412,153

Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 13

Cost of Living

Cost of Living provides a relative measure of cost of living in the local community. General Schedule (GS) Locality Pay provides a relative scale to compare local salaries with government salaries and Basic Allowance for Housing (BAH) is an indicator of the local rental market. In-state tuition is an indicator of the support provided by the state for active duty family members to participate in higher-level education opportunities.

Median Household Income	(US Avg \$41,994)	\$36,975	Basis: MSA
Median House Value	(US Avg \$119,600)	\$91,500	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$ 946	
In-state Tuition for Family Member		Yes	
In-state Tuition Continues if Member PCSs Out of State		Yes	

Education

This attribute defines the population in local school districts and identifies capacity. The pupil/teacher ratio, graduation rate, percentage of certified teachers and composite SAT I/ACT scores provide a relative quality indicator of education. This attribute also attempts to give communities credit for the potential intellectual capital they provide.

NOTE: "MFR" means a Memorandum For Record is on file at the installation/activity/agency to document problems in obtaining the required information. Reasons for not being able to obtain information may be that the school district refused to provide the information or the school district does not use or track the information.

If the installation/activity/agency has incomplete information from the local school system in order to accurately compute a score in this area, the number of school districts reporting information will be captured in addition to the computed answer.

		Basis
School District(s) Capacity	48,362	1 of 1 district
Students Enrolled	43,273	1 of 1 district
Average Pupil/Teacher Ratio	26.0:1	1 of 1 district
High School Students Enrolled	11,372	1 of 1 district
Average High School Graduation Rate (US Avg 67.3%)	79.0%	1 of 1 district
Average Composite SAT I Score (US Avg 1026)	1029	1 of 1 district
Average ACT Score (US Avg 20.8)	21	1 of 1 district
Available Graduate/PhD Programs	2	
Available Colleges and/or Universities	3	
Available Vocational and/or Technical Schools	2	

Employment

Unemployment and job growth rates provide a relative merit of job availability in the local community. National rates from the Bureau of Labor Statistics are also provided.

The unemployment rates for the last five-years:

	1999	2000	2001	2002	2003
Local Data	3.6%	3.9%	4.8%	4.5%	4.1%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	MSA	MSA	MSA	MSA	MSA

The annual job growth rate for the last five-years:

	1999	2000	2001	2002	2003
Local Data	1.5%	-.5%	-1.2%	-.3%	1.8%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	MSA	MSA	MSA	MSA	MSA

Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community. Note: according to the 2000 Census, Vacant Sale and Vacant Rental Units do not equal Total Vacant Housing Units; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	18,924	Basis: MSA
Vacant Sale Units	2,935	
Vacant Rental Units	6,654	

Medical Providers

This attribute provides an indicator of availability of medical care for military and DoD civilians in the local community. The table reflects the raw number of physicians/beds and ratio of physicians/beds to population.

	# Physicians	# Beds	Population	
Local Community	1,634	901	412,153	Basis: MSA
Ratio	1:252	1:457		
National Ratio (2003)	1:421.2	1:373.7		

Safety/Crime

The local community's Uniform Crime Reports (UCR) Index for 2002 per 100,000 people and the national UCR based on information from the Federal Bureau of Investigation (FBI) for 2002:

Local UCR	4,230.9	Basis: MSA
National UCR	4,118.8	

Transportation

Distance to an airport shows convenience and availability of airline transportation. Public transportation shows potential for members and DoD civilians to use it to commute to/from work under normal circumstances and for leisure.

Distance from NAS_PENSACOLA_FL to nearest commercial airport: 13.5 miles
Is NAS_PENSACOLA_FL served by regularly scheduled public transportation? Yes

Utilities

This attribute identifies a local community's water and sewer systems' ability to receive 1,000 additional people.

Does the local community's water system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

Does the local community's sewer system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

INSTALLATION CRITERIA 7 PROFILE

Randolph AFB, TX

Demographics

The following tables provide a short description of the area near the installation/activity. Randolph AFB is 17.7 miles from San Antonio, TX, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
San Antonio, TX MSA	1,592,383

The following entities comprise the military housing area (MHA):

County/City	Population
Atascosa	38628
Bexar	1392931
Comal	78021
Guadalupe	89023
Kendall	23743
Medina	39304
Wilson	32408

Total	1,694,058
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Child Care

This attribute captures the number of nationally accredited child-care centers within the local community:
36

Cost of Living

Cost of Living provides a relative measure of cost of living in the local community. General Schedule (GS) Locality Pay provides a relative scale to compare local salaries with government salaries and Basic Allowance for Housing (BAH) is an indicator of the local rental market. In-state tuition is an indicator of the support provided by the state for active duty family members to participate in higher-level education opportunities.

Median Household Income	(US Avg \$41,994)	\$39,140	Basis: MSA
Median House Value	(US Avg \$119,600)	\$77,100	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$1,138	
In-state Tuition for Family Member		Yes	
In-state Tuition Continues if Member PCSs Out of State		Yes	

Education

This attribute defines the population in local school districts and identifies capacity. The pupil/teacher ratio, graduation rate, percentage of certified teachers and composite SAT I/ACT scores provide a relative quality indicator of education. This attribute also attempts to give communities credit for the potential intellectual capital they provide.

NOTE: "MFR" means a Memorandum For Record is on file at the installation/activity/agency to document problems in obtaining the required information. Reasons for not being able to obtain information may be that the school district refused to provide the information or the school district does not use or track the information.

If the installation/activity/agency has incomplete information from the local school system in order to accurately compute a score in this area, the number of school districts reporting information will be captured in addition to the computed answer.

		Basis
School District(s) Capacity	333,869	39 of 39 districts, 2 MFRs
Students Enrolled	298,434	39 of 39 districts
Average Pupil/Teacher Ratio	14.5:1	39 of 39 districts
High School Students Enrolled	92,718	48 of 48 districts
Average High School Graduation Rate (US Avg 67.3%)	80.7%	46 of 48 districts, 3 MFRs
Average Composite SAT I Score (US Avg 1026)	939	36 of 48 districts, 12 MFRs
Average ACT Score (US Avg 20.8)	20	36 of 48 districts, 13 MFRs
Available Graduate/PhD Programs	10	
Available Colleges and/or Universities	15	
Available Vocational and/or Technical Schools	10	

Employment

Unemployment and job growth rates provide a relative merit of job availability in the local community. National rates from the Bureau of Labor Statistics are also provided.

The unemployment rates for the last five-years:

	1999	2000	2001	2002	2003
Local Data	3.1%	3.4%	4.0%	5.2%	5.5%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	MSA	MSA	MSA	MSA	MSA

The annual job growth rate for the last five-years:

	1999	2000	2001	2002	2003
Local Data	2.1%	1.0%	1.3%	.5%	1.9%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	MSA	MSA	MSA	MSA	MSA

Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community. Note: according to the 2000 Census, Vacant Sale and Vacant Rental Units do not equal Total Vacant Housing Units; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	39,826	Basis: MSA
Vacant Sale Units	6,699	
Vacant Rental Units	15,650	

Medical Providers

This attribute provides an indicator of availability of medical care for military and DoD civilians in the local community. The table reflects the raw number of physicians/beds and ratio of physicians/beds to population.

	# Physicians	# Beds	Population	
Local Community	4,405	3,995	1,592,383	Basis: MSA
Ratio	1:361	1:399		
National Ratio (2003)	1:421.2	1:373.7		

Safety/Crime

The local community's Uniform Crime Reports (UCR) Index for 2002 per 100,000 people and the national UCR based on information from the Federal Bureau of Investigation (FBI) for 2002:

Local UCR	6,775.3	Basis: MSA
National UCR	4,118.8	

Transportation

Distance to an airport shows convenience and availability of airline transportation. Public transportation shows potential for members and DoD civilians to use it to commute to/from work under normal circumstances and for leisure.

Distance from Randolph AFB to nearest commercial airport: 16.1 miles
Is Randolph AFB served by regularly scheduled public transportation? Yes

Utilities

This attribute identifies a local community's water and sewer systems' ability to receive 1,000 additional people.

Does the local community's water system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

Does the local community's sewer system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

INSTALLATION CRITERIA 7 PROFILE

Sheppard AFB, TX

Demographics

The following tables provide a short description of the area near the installation/activity. Sheppard AFB is within Wichita Falls, TX, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Wichita Falls, TX MSA	140,518

The following entities comprise the military housing area (MHA):

County/City	Population
Archer	8854
Clay	11006
Cotton	6614
Wichita	131664
Total	158,138

Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 1

Cost of Living

Cost of Living provides a relative measure of cost of living in the local community. General Schedule (GS) Locality Pay provides a relative scale to compare local salaries with government salaries and Basic Allowance for Housing (BAH) is an indicator of the local rental market. In-state tuition is an indicator of the support provided by the state for active duty family members to participate in higher-level education opportunities.

Median Household Income	(US Avg \$41,994)	\$34,098	Basis: MSA
Median House Value	(US Avg \$119,600)	\$61,500	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$1,009	
In-state Tuition for Family Member		Yes	
In-state Tuition Continues if Member PCSs Out of State		Yes	

Education

This attribute defines the population in local school districts and identifies capacity. The pupil/teacher ratio, graduation rate, percentage of certified teachers and composite SAT I/ACT scores provide a relative quality indicator of education. This attribute also attempts to give communities credit for the potential intellectual capital they provide.

NOTE: "MFR" means a Memorandum For Record is on file at the installation/activity/agency to document problems in obtaining the required information. Reasons for not being able to obtain

information may be that the school district refused to provide the information or the school district does not use or track the information.

If the installation/activity/agency has incomplete information from the local school system in order to accurately compute a score in this area, the number of school districts reporting information will be captured in addition to the computed answer.

		Basis
School District(s) Capacity	36,535	17 of 17 districts
Students Enrolled	27,395	17 of 17 districts
Average Pupil/Teacher Ratio	17.9:1	17 of 17 districts
High School Students Enrolled	7,724	17 of 17 districts
Average High School Graduation Rate (US Avg 67.3%)	88.7%	17 of 17 districts
Average Composite SAT I Score (US Avg 1026)	1022	12 of 17 districts
Average ACT Score (US Avg 20.8)	21	17 of 17 districts
Available Graduate/PhD Programs	2	
Available Colleges and/or Universities	2	
Available Vocational and/or Technical Schools	1	

Employment

Unemployment and job growth rates provide a relative merit of job availability in the local community. National rates from the Bureau of Labor Statistics are also provided.

The unemployment rates for the last five-years:

	1999	2000	2001	2002	2003
Local Data	4.7%	4.0%	3.5%	5.1%	4.9%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	1 of 4 counties				

The annual job growth rate for the last five-years:

	1999	2000	2001	2002	2003
Local Data	-2.2%	-.9%	1.7%	-.7%	1.2%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	1 of 4 counties				

Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community. Note: according to the 2000 Census, Vacant Sale and Vacant Rental Units do not equal Total Vacant Housing Units; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	5,389	Basis: MSA
Vacant Sale Units	910	
Vacant Rental Units	2,395	

Medical Providers

This attribute provides an indicator of availability of medical care for military and DoD civilians in the local community. The table reflects the raw number of physicians/beds and ratio of physicians/beds to population.

	# Physicians	# Beds	Population	
Local Community	308	408	140,518	Basis: MSA
Ratio	1:456	1:344		
National Ratio (2003)	1:421.2	1:373.7		

Safety/Crime

The local community's Uniform Crime Reports (UCR) Index for 2002 per 100,000 people and the national UCR based on information from the Federal Bureau of Investigation (FBI) for 2002:

Local UCR	6,367.7	Basis: MSA
National UCR	4,118.8	

Transportation

Distance to an airport shows convenience and availability of airline transportation. Public transportation shows potential for members and DoD civilians to use it to commute to/from work under normal circumstances and for leisure.

Distance from Sheppard AFB to nearest commercial airport: .0 miles
Is Sheppard AFB served by regularly scheduled public transportation? Yes

Utilities

This attribute identifies a local community's water and sewer systems' ability to receive 1,000 additional people.

Does the local community's water system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

Does the local community's sewer system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

INSTALLATION CRITERIA 7 PROFILE

Vance AFB, OK

Demographics

The following tables provide a short description of the area near the installation/activity. Vance AFB is 96.9 miles from Oklahoma City, OK, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Enid, OK MSA	57,813

The following entities comprise the military housing area (MHA):

County/City	Population
Garfield	57813
Kingfisher	13926
Total	71,739

Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 3

Cost of Living

Cost of Living provides a relative measure of cost of living in the local community. General Schedule (GS) Locality Pay provides a relative scale to compare local salaries with government salaries and Basic Allowance for Housing (BAH) is an indicator of the local rental market. In-state tuition is an indicator of the support provided by the state for active duty family members to participate in higher-level education opportunities.

Median Household Income	(US Avg \$41,994)	\$33,006	Basis: MSA
Median House Value	(US Avg \$119,600)	\$58,800	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$ 746	
In-state Tuition for Family Member		Yes	
In-state Tuition Continues if Member PCSs Out of State		Yes	

Education

This attribute defines the population in local school districts and identifies capacity. The pupil/teacher ratio, graduation rate, percentage of certified teachers and composite SAT I/ACT scores provide a relative quality indicator of education. This attribute also attempts to give communities credit for the potential intellectual capital they provide.

NOTE: "MFR" means a Memorandum For Record is on file at the installation/activity/agency to document problems in obtaining the required information. Reasons for not being able to obtain information may be that the school district refused to provide the information or the school district does not use or track the information.

If the installation/activity/agency has incomplete information from the local school system in order to accurately compute a score in this area, the number of school districts reporting information will be captured in addition to the computed answer.

		Basis
School District(s) Capacity	12,320	10 of 10 districts
Students Enrolled	10,536	10 of 10 districts
Average Pupil/Teacher Ratio	15.6:1	10 of 10 districts
High School Students Enrolled	2,679	10 of 10 districts
Average High School Graduation Rate (US Avg 67.3%)	86.7%	10 of 10 districts
Average Composite SAT I Score (US Avg 1026)		
Average ACT Score (US Avg 20.8)	21	10 of 10 districts
Available Graduate/PhD Programs	1	
Available Colleges and/or Universities	4	
Available Vocational and/or Technical Schools	1	

Employment

Unemployment and job growth rates provide a relative merit of job availability in the local community. National rates from the Bureau of Labor Statistics are also provided.

The unemployment rates for the last five-years:

	1999	2000	2001	2002	2003
Local Data	3.0%	2.8%	2.9%	2.9%	3.6%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	MSA	MSA	MSA	MSA	MSA

The annual job growth rate for the last five-years:

	1999	2000	2001	2002	2003
Local Data	-.2%	-3.7%	-1.5%	.3%	.0%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	MSA	MSA	MSA	MSA	MSA

Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community. Note: according to the 2000 Census, Vacant Sale and Vacant Rental Units do not equal Total Vacant Housing Units; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	2,872	Basis: MSA
Vacant Sale Units	504	
Vacant Rental Units	843	

Medical Providers

This attribute provides an indicator of availability of medical care for military and DoD civilians in the local community. The table reflects the raw number of physicians/beds and ratio of physicians/beds to population.

	# Physicians	# Beds	Population	
Local Community	125	332	57,813	Basis: MSA
Ratio	1:463	1:174		
National Ratio (2003)	1:421.2	1:373.7		

Safety/Crime

The local community's Uniform Crime Reports (UCR) Index for 2002 per 100,000 people and the national UCR based on information from the Federal Bureau of Investigation (FBI) for 2002:

Local UCR	5,417.4	Basis: MSA
National UCR	4,118.8	

Transportation

Distance to an airport shows convenience and availability of airline transportation. Public transportation shows potential for members and DoD civilians to use it to commute to/from work under normal circumstances and for leisure.

Distance from Vance AFB to nearest commercial airport: 105.2 miles

Is Vance AFB served by regularly scheduled public transportation? No

Utilities

This attribute identifies a local community's water and sewer systems' ability to receive 1,000 additional people.

Does the local community's water system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

Does the local community's sewer system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

Summary of Scenario Environmental Impacts - Criterion 8

Scenario ID#: E&T-0046R

Brief Description: Undergraduate Flight Training (AF version) Nav Tng at NAS Pensacola, Realign Moody AFB

<u>General Environmental Impacts</u>	
Environmental Resource Area	Moody
Air Quality	An air permit revision may be needed. A critical air quality region, Okefenokee Nat'l Wildlife Refuge is located within 100 miles of the base; however, this does not constrain operations.
Cultural/ Archeological/ Tribal Resources	The installation contains 65 archaeological sites; 6 constrain current construction, future construction, and training/testing operations by requiring pre-impact consultation. The base has been in formal consultation with 10 Native American tribes who are interested archaeological sites. One historic property is present. Additional operations may impact these sites/properties, which may constrain operations.
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	Operations are already restricted because of non-DoD laws, regulations, or policies at the main installation and the training range. Two acres and groundwater have been restricted because of the Burma Road Landfill, which has a benzene groundwater plume that is located within 0.038 miles of the installation. Two sensitive resource areas are present; one, the Banks Lake National Wildlife Refuge restricts base and range ops by requiring an altitude above the refuge of at least 1,500 ft AGL. Additional operations may further impact these constraining factors and therefore further restrict operations.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Noise contours will need to be re-evaluated as a result of the change in mission. Noise abatement procedures are already in place. The AICUZ reflects the current mission/local land use/current noise levels, and has been adopted for local land use planning. 12,127 acres off-base within the noise contours are zoned by the local community. 96 of these acres are residentially zoned. The community has not purchased easements for the area surrounding the installation.

Threatened& Endangered Species/ Critical Habitat	One T&E species on the main installation and one T&E species on the range already restrict operations. In addition, two Biological Opinions are in place for the Gulf of Mexico water training area (marine turtles) and Bemiss Field/C-130 Drop Zone (eastern indigo snake). Additional operations may impact T&E species. In addition, the Biological Opinions will need to be evaluated to ensure the scenario conforms to them.
Waste Management	Modification of the hazardous waste program may be required.
Water Resources	The state requires a permit for withdrawal of groundwater. Modification of on-installation treatment works may be necessary.
Wetlands	Wetlands restrict 31% of the base and 43% of the range. Wetlands already restrict construction operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Moody
Environmental Restoration	DERA money spent through FY03 (\$K): 42,962 Estimated CTC (\$K): 50,384 DO NOT ENTER IN COBRA
Waste Management	FY07 Hazardous Waste Program Modification: Scenario \$0K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$0K / Cumulative \$776K FY07 Significant Air Permit Revision: Scenario \$0K / Cumulative \$100K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Columbus
Air Quality	Columbus is in area that is in attainment for all criteria pollutants. A significant air permit revision may be required.
Cultural/ Archeological/ Tribal Resources	Columbus contains a historic district as well as cemeteries that may impact future development.
Dredging	No impact.
Land Use Constraints/ Sensitive Resource Areas	Military Munitions Response Program sites exist on the installation and may represent a safety hazard for future development.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Noise contours will need to be re-evaluated as a result of the change in mission. The AICUZ reflects the current mission, local land use, current noise levels. 8148 acres off-base within the noise contours are zoned by the local community. 6880 of these acres are residentially zoned.
Threatened & Endangered Species/ Critical Habitat	No T&E species or critical habitats exist. No impact to T&E species is expected
Waste Management	Modification of the hazardous waste program may be necessary.
Water Resources	The state requires a permit for withdrawal of groundwater.
Wetlands	Wetlands restrict 4% of the base. Wetlands already restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Columbus
Environmental Restoration	DERA money spent through FY03 (\$K): 12779 Estimated CTC (\$K): 9042 DO NOT ENTER IN COBRA
Waste Management	FY07 Modify Waste Program Scenario \$100K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$318K / Cumulative \$318K FY07 Significant Air Permit Revision Scenario \$100K / Cumulative \$100K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Laughlin
Air Quality	Laughlin is in area that is in attainment for all criteria pollutants. A significant air permit revision may be required.
Cultural/ Archeological/ Tribal Resources	Laughlin contains archeological sites and areas with a high potential for archeological sites that constrain operations and that have the potential to impact future development
Dredging	No impact.
Land Use Constraints/ Sensitive Resource Areas	Military Munitions Response Program sites exist on the installation and may represent a safety hazard for future development.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Noise contours will need to be re-evaluated as a result of the change in mission. The AICUZ reflects the current mission, local land use, current noise levels. 7403 acres off-base within the noise contours are zoned by the local community. 49 of these acres are residentially zoned.
Threatened & Endangered Species/ Critical Habitat	No T&E species or critical habitats exist. No impact to T&E species is expected.
Waste Management	Modification of the hazardous waste program may be necessary.
Water Resources	The state requires a permit for withdrawal of groundwater.
Wetlands	Wetlands restrict 4% of the base. Wetlands already restrict operations. Additional operations may impact wetlands, which may restrict operations

<u>Impacts of Costs</u>	
	Laughlin
Environmental Restoration	DERA money spent through FY03 (\$K): 12576 Estimated CTC (\$K): 9912 DO NOT ENTER IN COBRA
Waste Management	FY07 Modify Waste Program Scenario \$100K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$318K / Cumulative \$318K FY07 Significant Air Permit Revision Scenario \$100K / Cumulative \$100K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Randolph
Air Quality	An air permit revision may be needed.
Cultural/ Archeological/ Tribal Resources	An historic district is located on the installation. Additional operations may impact this district, which may impact operations.
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	Military Munitions Response Program sites exist on the installation and may represent a safety hazard for future development. The base cannot expand ESQD Arcs by ≥ 100 feet without a waiver, which may lower the safety of the base if operations are added.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Less than a 3dB general increase in contours can be expected. The AICUZ reflects the current mission, local land use, and current noise levels. 6,994 acres off-base within the noise contours are zoned by the local community. 1,965 of these acres are residentially zoned. The community has not purchased easements for area surrounding the installation.
Threatened & Endangered Species/ Critical Habitat	A Biological Opinion exists for the aquifer that lies below the installation; however, no T&E species or critical habitat has been identified, and the biological opinion does not restrict operations. Additional operations may impact this resource. In addition, the Biological Opinion will need to be evaluated to ensure the scenario conforms to it.
Waste Management	A modification of the hazardous waste program may be needed.
Water Resources	No impact
Wetlands	No impact

<u>Impacts of Costs</u>	
	Randolph
Environmental Restoration	DERA money spent through FY03 (\$K): 6367 Estimated CTC (\$K): 5547 DO NOT ENTER IN COBRA
Waste Management	FY07 Waste Management Scenario \$56K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$180K / Cumulative \$318K FY07 Air Permit Revision Scenario \$56K / Cumulative \$100K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Sheppard
Air Quality	Sheppard is in area that is in attainment for all criteria pollutants.
Cultural/ Archeological/ Tribal Resources	Sheppard contains historic property that may be impacted by future development.
Dredging	No impact.
Land Use Constraints/ Sensitive Resource Areas	Military Munitions Response Program sites exist on the installation and may represent a safety hazard for future development.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Less than a 3dB general increase in contours can be expected. The AICUZ reflects the current mission, local land use, and current noise levels. 10,390 acres off-base within the noise contours are zoned by the local community. 10 of these acres are residentially zoned.
Threatened & Endangered Species/ Critical Habitat	T&E species and/or critical habitats exist but don't impact operations. Additional operations may impact T&E species and/or critical habitats.
Waste Management	No impact
Water Resources	No impact
Wetlands	Wetlands restrict less than 1% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Sheppard
Environmental Restoration	DERA money spent through FY03 (\$K): 12779 Estimated CTC (\$K): 9042 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	FY06 NEPA cost: Scenario \$280K / Cumulative \$281K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Vance
Air Quality	Vance is in area that is in attainment for all criteria pollutants. An air permit revision may be required.
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	Military Munitions Response Program sites exist on the installation and may represent a safety hazard for future development.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Less than a 3dB general increase in contours can be expected. The AICUZ reflects the current mission, local land use, current noise levels. 26585 acres off-base within the noise contours are zoned by the local community. 345 of these acres are residentially zoned.
Threatened& Endangered Species/ Critical Habitat	No T&E species or critical habitats exist. No impact to T&E species is expected.
Waste Management	Modification of the hazardous waste program may be necessary.
Water Resources	No impact
Wetlands	Wetlands restrict 0.3% of auxiliary airfield land. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Vance
Environmental Restoration	DERA money spent through FY03 (\$K): 28,601 Estimated CTC (\$K): 16,011 DO NOT ENTER IN COBRA
Waste Management	FY07 Modify Waste Program \$98K Scenario / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: \$313K Scenario / Cumulative \$318K FY07 Air Permit Revision \$98K Scenario / Cumulative \$100K

