DCN: 9414

AF ICP Appendix C Attachment 1

Functional Point of Contact Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify to the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 1.14031 **Office Symbol:** AF/XOOT

Signature: Darryl W Blan **Date:** 15 Sep 04

Printed Name, Phone, Title: Blan, Darryl W. (703) 614-7092, Branch Chief, AF Operational Training Col (S)

HAF/TA ~~Answer Provider~~ Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify to the best of my knowledge and belief the information provided herein is accurate and complete.

Answerer Account ID: 1.9528 **Office Symbol:** SAF/IEBB

Signature: [illegible] **Date:** 15 Sep 04

Printed Name, Phone, Title: ROY A. MURRAY, JR ; 692-5121, ANALYST

Deliberative Draft Document. Not Releasable under FOIA

DEPARTMENT OF THE AIR FORCE
WASHINGTON DC

OFFICE OF THE ASSISTANT SECRETARY

MEMORANDUM FOR AETC/XP

SUBJECT: BRAC 2005 Data Call 1A Supplemental Questionnaire

Request your assistance in completing the supplemental data call at Attachment 1. Please follow the instructions closely. Answers to the questions must be returned in hardcopy as well as a softcopy in .doc format and CD-ROM. Responses must contain the question number, the question, the answer to the question, the answer source information, and the completed certification sheet attached for each question.

Attachment 2 (Appendix C to the AF Internal Control Plan) contains the certification process for Non-WIDGET data calls. Follow these procedures when completing the data call.

Reponses are due to SAF/IEB by 10 Sept 04. Packages containing hardcopy, CD-ROM, and certification sheets must be sent via registered mail to SAF/IEBB, Attn: Col Chris Kapellas, 1665 Air Force Pentagon, Washington D.C., 20330-1665.

For further information, please contact Lt Col Henry Polczer, 692-9511 or Mr. Ray Neall 697-4577.

Gary W Heckman

GARY W. HECKMAN
Major General, USAF
Assistant DCS, Plans and Programs (BRAC)

GERALD F. PEASE, JR.
Deputy Assistant Secretary
(Basing & Infrastructure Analysis)

Attachments:
1. Data Call 1A Supplemental Questionnaire (CD-ROM)
2. Non-WIDGET Certification Procedures

cc: AFAA/FSS

OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL # of pages ▸ 16

To Lt Col Diamond	From Ray Neall
Dept./Agency AETC	Phone # 227-4577 DSN [redacted]
Fax # 487-7835	Fax #

NSN 7540-01-317-7368 5099-101 GENERAL SERVICES ADMINISTRATION

From: AETC BRAC
Sent: Thursday, September 16, 2004 11:34 AM
To: Cornish Stephen R Ctr SAF/IEBB
Cc: Kapellas Christopher Lt. Col SAF/IEBB; Neall Raymond Contr SAF/IEBB; Olson Roger Civ AETC/DORA
Subject: Data Call 1A Supplemental questionnaire correction

Importance: High

Please correct our certified response with the correct question numbers. Data is not changed, this is simply an administrative update for the record. Below is a cross reference:

AETC Reference to DoD Question #	Equates to HAF Question #
87	4340
88	4341
101	4342
103	4343
117	4344
118	4345
124	4346
125	4347
138	4348
139	4349
141	4350
142	4351

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Keven B. Diamond, Lt Col, USAF
HQ AETC/XPPB
DSN 487-3394
Comm 210-652-3394

Subject: Re-attack with USAF BRAC Office; clarification of Education & Training, Joint Cross Service Group, Flight Training Sub-group (E&T JCSG FT) Capacity Data Call #1 questions.

Reason for re-attack: E&T JCSG FT needs accurate data in a format that allows them to collate, compare, and categorize answers portraying various aspects of Air Force and Navy flight training programs. Unfortunately, answers to twelve E&T JCSG FT capacity questions did not yield answers that permit an apples-to-apples analysis. Along with original questions from Capacity Data Call #1, this document conveys amplification paragraphs to make clear the "grassroots" intent of each query. Since expertise to resolve confusion does not reside in E&T JCSG FT, need experts in USAF BRAC, AETC, and appropriate subordinate units to forward E&T JCSG FT information that lends itself to BRAC comparative analysis tools.

Rather than "re-ask" questions, suggest USAF BRAC task experts in AETC to review, compare, and, where needed, adjudicate BRAC Certified answers "in play" to ensure accuracy and consistency in data collected from all AETC units in the format prescribed herein for the following questions:

***Original Question* DoD Q87**. *If your installation conducts undergraduate or graduate level flight training, give the total numbers of daylight and nighttime runway operations that are required for each syllabus of pilot undergraduate and graduate training. Estimate the number of operations required by the syllabus, the percentage of overhead runway operations necessary to meet the syllabus.*

Amplification: The doctrinal term "syllabus" yielded answers in greater detail than E&T JCSG FT could accurately categorize/analyze. E&T JCSG FT needs (with credible accuracy) the average number of runway operations (in terms of take-offs, landings, and touch & goes) it takes to get a single student through various phases of undergraduate pilot training. Request USAF BRAC and AETC experts complete the following table by inserting the average number of runway operations arrayed in six categories (categories specified in notes below the table) for each phase of AETC-sponsored undergraduate flying training programs (count a "touch & go" as two runway operations).

RUNWAY OPERATIONS UFT Phases of AETC-sponsored UFT Programs	Categories (See Notes)					
	1	2	3	4	5	6
Primary (T-37)						
Primary (T-6)						
Primary (Aviation Leadership Program)						
Primary (ENJJPT)						
Fighter/Bomber						
Fighter/Bomber (ENJJPT)						
Airlift/Tanker						
Introduction to Fighter Fundamentals						
Introduction to Fighter Fundamentals (ENJJPT)						
Helicopter						

Number of syllabus-driven daylight-hour runway operations (daylight = after sunrise and before sunset).

2. Number of syllabus-driven nighttime-hour runway operations.
3. Percent of daylight-hour operations for overhead (overhead = operations for instructor training, maintenance flights, students who attrite, excess flights required to reach desired proficiency level, etc.).
4. Percent of nighttime-hour operations for overhead.
5. Total number of daylight runway operations per graduate (total = syllabus-driven + overhead; e.g., if the syllabus requires 500 ops and overhead factor is 20%, the total requirement is 600 total operations.)
6. Total number of nighttime runway operations per graduate.

Original Question DoD Q88. *If your installation conducts undergraduate or graduate level flight training, give the total numbers of daylight and nighttime runway operations that are required for each syllabus of Navigator/NFO undergraduate and graduate training. Estimate the number of operations required by the syllabus, the percentage of overhead runway operations necessary to meet the syllabus requirements, and the total number of runway operation per graduate.*

Amplification: The doctrinal term "syllabus" yielded answers in greater detail than E&T JCSG FT could accurately categorize/analyze. E&T JCSG FT seeks to discover (with credible accuracy) the average number of runway operations (in terms of take-offs, landings, and touch & goes) it takes to get a single student through various phases of undergraduate navigator training. Request USAF BRAC and AETC experts complete the following table by inserting the average number of runway operations arrayed in six categories (categories specified in notes below the table) for each phase of AETC-sponsored undergraduate flying training programs (count a "touch & go" as two runway operations).

RUNWAY OPERATIONS UNT	Categories (See Notes)					
Phases of AETC-sponsored UNT Programs	1	2	3	4	5	6
Primary Navigation						
Airmanship						
Electronic Warfare Officer						

1. Number of syllabus-driven daylight-hour runway operations (daylight = after sunrise and before sunset).
2. Number of syllabus-driven nighttime-hour runway operations.
3. Percent of daylight-hour operations for overhead (overhead = operations for instructor training, maintenance flights, students who attrite, excess flights required to reach desired proficiency level, etc.).
4. Percent of nighttime-hour operations for overhead.
5. Total number of daylight runway operations per graduate (total = syllabus-driven + overhead; e.g., if the syllabus requires 500 ops and overhead factor is 20%, the total requirement is 600 total operations.)
6. Total number of nighttime runway operations per graduate.

Original Question DoD Q101. *Provide the ground school training requirements for flight training facilities (classrooms, simulators, labs, life support facilities, etc.) by Facility Analysis Code (FAC). Include all applicable 17XX FAC's and any other FAC where ground flight training occurs. Ensure that the requirements for all types of simulators are indicated (cockpit, Unit Training Devices, instrument (IFT), and motion-based/visual (OFT), etc.).*

Amplification: This question seeks a "usage requirement" for ground training facilities (i.e. classroom (FAC 1711) and simulator (FAC 1721) facilities). E&T JCSG FT needs (with credible accuracy) the average number of hours a single student spends in a classroom or classroom environment and a simulator to complete various phases of undergraduate flight training. Request USAF BRAC and AETC experts complete the table below by inserting the average number of hours devoted to classroom and simulator instruction for each phase of AETC-sponsored undergraduate flying training programs.

CLASSROOM / SIMULATOR USAGE	Categories	
Phases of AETC-sponsored Flight Training Programs	Classroom Hours	Simulator Hours
Primary (T-37)		
Primary (T-6)		
Primary (Aviation Leadership Program)		
Primary (ENJJPT)		
Fighter/Bomber		
Fighter/Bomber (ENJJPT)		
Airlift/Tanker		
Airmanship		
Electronic Warfare Officer		

Original Question DoD Q103. By Facility Analysis Code, calculate the current capacity for flight training students. ** Design Capacity (PN) and Capacity (in student hours per year) for all training facilities at the installation in which undergraduate or graduate flight training is conducted. Include all 171X, 179X DoD Facility Analysis Code (FAC) series, and any other applicable FACs. Design Capacity is the number of students for which a classroom, etc., is designed. Total Capacity is student hours per year. For example: In the category 1711, a type of training facility is Flight Training Classroom. If you have 10 classrooms with a capacity of 25 students per room, the design capacity would be 250. If these classrooms were available 8 hours a day for 244 days a year, the capacity in student hours per year would be 488,000.

Amplification: This question seeks to capture the flight-training program student population an installation's ground training facilities (i.e. classrooms (FAC 1711) and simulators (FAC 1721)) can support. E&T JCSG FT needs the number and type of facilities, total number of students those facilities are designed to accommodate (design capacity) and number of hours students in the flight-training program use those facilities (in use). E&T JCSG FT will determine the total annual capacity by multiplying the design capacity by an 8-hour day over a 244-day academic year.

Base	Classrooms (FAC 1711)			Simulator Stalls (FAC 1721)		
	Number	Design Capacity	In use	Number	Seats Available	In use
Columbus AFB						
Laughlin AFB						
Moody AFB						
Randolph AFB						
Sheppard AFB						
Vance AFB						

Original Question DoD Q117. *Give the programmed yearly student pilot throughput requirements by installation for FY04-09. Include all sources of students such as FMS, Treasury, Coast Guard, DEA, etc*

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Original Question DoD Q118. *Give the programmed yearly student Navigator/NFO throughput requirements by installation for FY04-09. Include all sources of students such as FMS, Treasury, Coast Guard, DEA, etc.*

Amplification: These questions seek to obtain the planned throughput requirement for pilot and navigator training over the next 5 years (in terms of the number of graduates each service requires annually) for each flight training program. To capture the total requirement, break the throughput by Service component category (i.e., USN, USAF, USA, USMC, USCG, FMS, DOE, etc.).

AETC-sponsored Flt Training Program	Service Component								
	USAF	USN	USA	USMC	USCG	FMS	DOE	Other	Other
Primary (T-37)									
[illegible]									
Primary (Aviation Leadership Program)									
Primary (ENJJPT)									
Fighter/Bomber									
[illegible]									
Airlift/Tanker									
IFF									
IFF (ENJJPT)									
[illegible]									
Primary Navigation									
Airmanship									

***Original Question* DoD Q124.** *Airspace requirements: For each syllabus/stage of Pilot flight training, 1) give the number of sorties required by the syllabus, the percentage of overhead sorties, and the number of students that train during each sortie; 2) give the type of airspace required, the size (vertical and area dimensions) of the airspace block in which training is conducted, and the time spent per sortie in this block of airspace.*

Original Question DoD Q125. *Airspace requirements: For each syllabus/stage of Navigator/NFO flight training, 1) give the number of sorties required by the syllabus, the percentage of overhead sorties, and the number of students that train during each sortie; 2) give the type of airspace required, the size (vertical and area dimensions) of the airspace block in which training is conducted, and the time spent per sortie in this block of airspace.*

Amplification: These questions seek to define the types of missions and airspace required for each phase of AETC-sponsored flight-training programs. E&T JCSG FT Sub-group created tables to help USAF BRAC capture answers to this important and very complex question.

Table 1, MISSION/SORTIE REQUIREMENTS	# of Sorties by Mission Area									
Phases of AETC-sponsored UFT Programs	1	2	3	4	5	6	7	8	9	10
Primary (T-37)										
Primary (T-6)										
Primary (Aviation Leadership Program)										
Primary (ENJJPT)										
Fighter/Bomber										
Fighter/Bomber (ENJJPT)										
Airlift/Tanker										
Introduction to Fighter Fundamentals										
Introduction to Fighter Fundamentals (ENJJPT)										
Helicopter										
Primary Navigation										
Airmanship										
Electronic Warfare Officer										

Table 1 seeks to collect the types of missions and average number of sorties it takes (in each mission area) to get a single student through various phases of flight training.

1. Familiarization Sorties
2. Contact Sorties
3. Formation Sorties
4. Instrument Sorties
5. Unit Defined: _____
6. Unit Defined: _____
7. Unit Defined: _____
8. Unit Defined: _____
9. Unit Defined: _____
10. Unit Defined: _____

Table 2, OVERHEAD MISSION/SORTIE REQUIREMENTS Phases of AETC-sponsored UFT Programs	# of Sorties by Mission Area									
	1	2	3	4	5	6	7	8	9	10
Primary (T-37)										
Primary (T-6)										
Primary (Aviation Leadership Program)										
Primary (ENJJPT)										
Fighter/Bomber										
Fighter/Bomber (ENJJPT)										
Airlift/Tanker										
Introduction to Fighter Fundamentals										
Introduction to Fighter Fundamentals (ENJJPT)										
Helicopter										
Primary Navigation										
Airmanship										
Electronic Warfare Officer										

Table 2 seeks to discover the percentage of overhead sorties for each phase (overhead sorties = events conducted for instructor training, maintenance flights, students who attrite, additional flights needed to reach required proficiency level, etc.).

1. Familiarization Sorties
2. Contact Sorties
3. Formation Sorties
4. Instrument Sorties
5. Unit Defined: _____
6. Unit Defined: _____
7. Unit Defined: _____
8. Unit Defined: _____
9. Unit Defined: _____
10. Unit Defined: _____

<u>Amplification Continued.</u> E&Y JCSG FT Subgroup needs to collect the type of airspace flying events require (e.g., MOA, Warning Area, MTR, etc.) as well as the size of the block of airspace required for that flying event. (This applies to phases that require a dedicated block of Special Use Airspace (MOA, WA, Alert Area, ATCAA) in Table 2 above).

Mission Area	Dimension of Required Airspace			Average time (hours) in the Airspace each Sortie
	Length	Width	Vertical (Feet)	
Familiarization				
Contact				
Formation				
Instrument				

Original Question DoD Q138. *If your installation conducts undergraduate or graduate level flight training, or is a USN or USMC activities, provide the average (over FY99-FY03) breakout of runway operations by aircraft category (class) for your home field and each outlying field. Breakout should include all flight operations (i.e., training, operational, maintenance, etc.) Percentage of runway operations over all aircraft categories should sum to 100.*

Amplification: This question seeks to determine the mix of aircraft by category that operates at your air station and at each of your outlying fields. The question asks for the percent of runway usage (or the percent of total runway operations) conducted by Class A, Class B, Class C, and Class D aircraft.

The FAA defines these categories (or classes) of aircraft as follows:

Aircraft Class	Maximum Certified Takeoff Weight	Number of Engines	Wake Turbulence Classification
A	12,500 lbs or less	single	small (s)
B	12,500 lbs or less	multiple	small (s)
C	12,500 – 300,000 lbs	multiple	large (l)
D	over 300,000 lbs	multiple	heavy (h)

***Original Question* DoD Q139.** *If your installation conducts undergraduate or graduate level flight training, provide the yearly average weather conditions at your home field and OLF.*

Amplification: The intent of this question is to obtain the percent of time 1) Visual flight rule (VFR) conditions exist, 2) Instrument flight rules (IFR) conditions exist, and 3) Poor visibility and ceiling (PVC) conditions exist. It also asks the percent of time crosswinds are less than 15 knots and when they are less than 25 knots.

For this question VFR conditions are defined as a ceiling of at least 1,000 feet above ground level and a visibility of at least three miles. IFR conditions are defined as ceiling of at least 500 feet but less than 1,000 feet and visibility at least one mile but less than three miles. PVC conditions are defined as a ceiling less than 500 feet and visibility of less than one mile.

Base	Percent of time in the following weather conditions		
	VFR	IFR	PVC
Columbus AFB			
Laughlin AFB			

***Original Question* DoD Q141** *If your installation conducts undergraduate or graduate level flight training, provide an average of the last five years (FY99-FY03) for VFR and IFR arrivals, departures, and touch and go's for the home field and each OLF. All numbers are expressed as percentage and total VFR and IFR should sum to 100 percent.*

Amplification: This question seeks to capture (with credible accuracy) the percentage of VFR runway operations that are Touch & Goes. For example, if your air station conducted 300,000 runway operations during VRF conditions and 75,000 were Touch & Goes, the percentage would be 75,000 x 2 (single touch and go equals 2 events) = 150,000 events. Percentage of 300,000 operations that where touch and go equals 50% (150,000 / 300,000).

Base	Total # VFR Ops	VFR Tough & Go Ops	Percentage
Columbus AFB			
Laughlin AFB			
Moody			
Randolph AFB			
Sheppard AFB			
Vance AFB			

Amplification: This question seeks to illustrate how often an installation's runway is used to support missions other than AETC-sponsored flight training programs. E&T JCSG FT Sub-group needs to know (with credible accuracy) the percent of time other units/missions require your installation's runway. Request USAF BRAC and AETC calculate the percentage of runway use by training squadrons (flight training program), operational squadrons stationed at the airfield, and other aircraft (including tenant aircraft) that operate from your airfield.

Base	Percentage of Runway Use		
	Host Trng Units	Tenant Units	Transient Units
Columbus AFB			
Laughlin AFB			
Moody AFB			
Randolph AFB			
[illegible]			
[illegible]			

Non-WIDGET Certification Sheet

Functional Point of Contact Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6.13 Office Symbol: TA1 SEP2004

Signature: KB DIAMOND LtCol Date:

Printed Name, Phone, Title: C4873394 AETC/XPPB

Answer Provider Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6116694 Office Symbol: DO 1

Signature: Date: 19 AUG 04

Printed Name, Phone, Title: OLSON, ROGER T., 487-2585 DO FOC

DC#1 - 14.87

DC# 1A # 4340

14.87: Amplification: The doctrinal term "syllabus" yielded answers in greater detail than E&T JCSG FT could accurately categorize/analyze. E&T JCSG FT needs (with credible accuracy) the average number of runway operations (in terms of take-offs, landings, and touch & goes) it takes to get a single student through various phases of undergraduate pilot training. Request USAF BRAC and AETC experts complete the following table by inserting the average number of runway operations arrayed in six categories (categories specified in notes below the table) for each phase of AETC-sponsored undergraduate flying training programs (count a "touch & go" as two runway operations).

RUNWAY OPERATIONS UFT Phases of AETC-sponsored UFT Programs	Catagories (See Notes)							
	1	2	3	4	5	6		
Primary (T-37)	474	12	22.1	23.1	579	15	0.1	0.1
Primary (T-37) Including IP Overhead	494.2	12.0	22.1	23.1	603.6	15.0	202	0
Primary (T-6)	424	34	22.6	22.6	520	42	0.12	0.12
Primary (T-6) Including IP Overhead	448.8	34.0	22.6	22.6	551.8	42.0	207	0
Primary (Aviation Leadership Program)	700	6	19.0	20.0	833	7	0.18	0.18
ALP Including IP Overhead	736.4	6.0	19.0	20.0	877.3	7.0	202	0
Primary (ENJJPT)	655	17	22.1	23.1	800	21	0.17	0.17
Primary (ENJJPT) Including IP Overhead	699.9	17.7	22.1	23.1	850.3	21.7	264	4
Fighter/Bomber	590	32	20.0	20.0	708	38	0.21	0.21
Fighter/Bomber Including IP Overhead	620.7	32.8	20.0	20.0	743.7	39.1	146	4
Fighter/Bomber (ENJJPT)	646	35	20.0	20.0	775	42	0.22	0.22
Fighter/Bomber (ENJJPT) Including IP Overhead	706.7					43.8	276	8
Airlift/Tanker	400	14	14.0	16.7	456	38	0.14	0.14
Airlift/Tanker Including IP Overhead	460.6	14.7	14.0	16.7	539.3	39.0	433	5
Introduction to Fighter Fundamentals	103	0	15.0	0.0	118	0	0.09	0.09
IFF Including IP Overhead	115.0	0.0	15.0	0.0	131.8	0.0	133	0
Introduction to Fighter Fundamentals (ENJJPT)	103	0	12.0	0.0	115	0	0.06	0.06
IFF (ENJJPT) Including IP Overhead	111.0	0.0	12.0	0.0	123.9	0.0	133	0
Helicopter	872	92					0.19	0.19
Helicopter Including IP Overhead	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	446	120

Number of syllabus-driven daylight-hour runway operations (daylight = after sunrise and before sunset).
Number of syllabus-driven nighttime-hour runway operations.
Percent of daylight-hour operations for overhead (overhead = operations for instructor training, maintenance flights, students who attrite, excess flights required to reach desired proficiency level, etc.).
Percent of nighttime-hour operations for overhead.

Total number of daylight runway operations per graduate (total = syllabus-driven + overhead; e.g., if the syllabus requires 500 ops and overhead factor is 20%, the total requirement is 600 total operations.)
Total number of nighttime runway operations per graduate.

14.87: If your installation conducts undergraduate or graduate level flight training, give the total numbers of daylight and nighttime runway operations that are required for each syllabus of pilot undergraduate and graduate training. Estimate the number of operations required by the syllabus, the percentage of overhead runway operations necessary to meet the syllabus requirements, and the total number of runway operation per graduate.

Base	1. Name of training syllabus (Text)	2. Aircraft (Text)	3. Required by Syllabus - Day (Count)	4. Required by Syllabus - Night (Count)	5. Overhead Sorties (%) - Day (%)	6. Overhead Sorties (%) - Night (%)	7. Total per Graduate - Day (Count)	8. Total per Graduate - Night (Count)
Sheppard IFF - IFF (ENJJPT)	AT38-B IFF - B/F-V5A-L		25	0	12	0	28	0
Moody IFF	IFF (B/F-V5A-K(C)) A track	T-38C	40	0	15	N/A	46	N/A
	IFF (B/F-V5A-K(C)) B track	T-38C	42	0	15	N/A	48.3	N/A
	IFF (B/F-V5A-K(C)) C track	T-38C	38	0	15	N/A	43.7	N/A
			40	0	15	N/A	46	N/A
Laughlin - JCSG Adjudication Ans 24 Jun 04 in yellow	T-6 JPPT - P-V4A-J		402	32	30	30	523	42
Moody	T-6 JPPT - P-V4A-J		446	35	15.1	15.1	513	40
Columbus - JCSG Adjudication Ans 24 Jun 04 in yellow	T-37 JSUPT - P-V4A-A		410	12	15.11	19.9	472	14
Laughlin	T-37 JSUPT - P-V4A-A		452	12	30	30	588	16
Vance	T-37 JSUPT - P-V4A-A		561	12	21.2	21.2	680	15
Laughlin - JCSG Adjudication Ans 24 Jun 04 in yellow	T-38A JSUPT - P-V4A-A		584	30	22.1	22.1	712	37
Vance	T-38A JSUPT - P-V4A-A		596	34	18.1	18.1	704	40
Columbus	T-38C JSUPT - P-V4A-A		554	18	29.2	22.57	716	22
Vance	T-38C JSUPT - P-V4A-A		First T-38 C Class Sep 03					
Columbus	T-1 JSUPT - F-V4A-G		380	14	12.15	20.41	426	17
Laughlin - JCSG Adjudication Ans 24 Jun 04 in yellow	T-1 JSUPT - F-V4A-G		386	12	16.5	16.5	448	14
Vance	T-1 JSUPT - F-V4A-G		495	14	13.2	13.2	560	16
Columbus	T-37 ALP - P-V4A-E		700	6	19.04	20	833	7
Sheppard	T-37 & T-38 ENJJPT - P-V4A-N		788	20	12	5	883	21

14.87: Amplification: The doctrinal term "syllabus" yielded answers in greater detail than E&T JCSG FT could accurately categorize/analyze. E&T JCSG FT needs (with credible accuracy) the average number of runway operations (in terms of take-offs, landings, and touch & goes) it takes to get a single student through various phases of undergraduate pilot training. Request USAF BRAC and AETC experts complete the following table by inserting the average number of runway operations arrayed in six categories (categories specified in notes below the table) for each phase of AETC-sponsored undergraduate flying training programs (count a "touch & go" as two runway operations).

RUNWAY OPERATIONS Randolph AFB Instructor Programs	Catagories (See Notes)					
	1	2	3	4	5	6
T-37 Pilot Instructor Training	202	0	21.78	0	246	0
T-6 Pilot Instructor Training	207	0	28.12	0	265	0
T-6 Instructor Pilot Transition	142	0	28.12	0	182	0
T-38C Pilot Instructor Training	146	4	16.4	16.4	170	5
T-1 Pilot Instructor Training	433	5	37.5	37.5	595	7
T-43 Pilot Training (Nav Training Platform)	14	2	23.3	23.3	17	3
Navigator/NFO Instructor Training	18	0	23	0	22.1	0
EWO Instructor	18	0	23	0	22.1	0

1 Number of syllabus-driven daylight-hour runway operations (daylight = after sunrise and before sunset).
2 Number of syllabus-driven nighttime-hour runway operations.
3 Percent of daylight-hour operations for overhead (overhead = operations for instructor training, maintenance flights, students who attrite, excess flights required to reach desired proficiency level, etc.).
4 Percent of nighttime-hour operations for overhead.
5 Total number of daylight runway operations per graduate (total = syllabus-driven + overhead; e.g., if the syllabus requires 500 ops and overhead factor is 20%, the total requirement is 600 total operations.)
6 Total number of nighttime runway operations per graduate.

1.101: Amplification: This question seeks a "usage requirement" for ground training facilities (i.e. classroom (FAC 1711) and simulator (FAC 1721) facilities). E&T JCSG FT needs (with credible accuracy) the average number of hours a single student spends in a classroom or classroom environment and a simulator to complete various phases of undergraduate flight training. Request USAF BRAC and AETC experts complete the table below by inserting the average number of hours devoted to classroom and simulator instruction for each phase of AETC-sponsored undergraduate flying training programs.

Draft Deliberative Document-For Discussion Only-Do Not Release Under FOIA - 19 Aug 04

14.87: Amplification: The doctrinal term "syllabus" yielded answers in greater detail than E&T JCSG FT could accurately categorize/analyze. E&T JCSG FT needs (with credible accuracy) the average number of runway operations (in terms of take-offs, landi

RUNWAY OPERATIONS Other AETC Instructor Programs	Catagories (See Notes)					
	1	2	3	4	5	6
ENJJPT T-37 Instructor Pilot Training	264	4	12	5	296	4
ENJJPT T-38 Instructor Pilot Training	276	8	12	5	309	8
ENJJPT IFF Instructor Pilot Training	133	0	12	0	149	0
Moody IFF Instructor Pilot Training	133	0	15	N/A	153	N/A
Rucker Helicopter Pilot Instructor Training	446	120	10	10	491	132

1 Number of syllabus-driven daylight-hour runway operations (daylight = after sunrise and before sunset).
2 Number of syllabus-driven nighttime-hour runway operations.
3 Percent of daylight-hour operations for overhead (overhead = operations for instructor training, maintenance flights, students who attrite, excess flights required to reach desired proficiency level, etc.).
4 Percent of nighttime-hour operations for overhead.
5 Total number of daylight runway operations per graduate (total = syllabus-driven + overhead; e.g., if the syllabus requires 500 ops and overhead factor is 20%, the total requirement is 600 total operations.)
6 Total number of nighttime runway operations per graduate.

Current Source: 14.87

Source Name: Flight Training Syllabi

Source Date: 19 Aug 04

Source Location: AETC/DOF

Source Method: For multiple syllabi executed at multiple locations - AETC Headquarters syllabus experts reviewed installation answers and current syllabi then 'normalized' the data to provide a single, MAJCOM answer. For unique syllabi (unique syllabus at single location) - installation answers were not changed. In order to provide the instructor overhead costs, an instructor ratio was calculated based on an instructor's average productivity during a standard tour, see the 'Instructor Factors' spreadsheet 19 Aug 04 attached. Data for the total operations including instructor overhead were obtained by multiplying the appropriate instructor factor times operations required to produce an instructor. This 'factor' was then added to the requirement to produce a single student yielding a total figure which includes instructor overhead. Sheppard's original answers for UFT combined primary and advanced phases; JSUPT figures with an applied weighted average for syllabus differences was used to calculate operatons for the ENJJPT individual phases.

Olson Roger Civ AETC/DORA

From: Horton Kirk G LtCol 479 FTG/CAG
Sent: Thursday, August 19, 2004 3:28 PM
To: Olson Roger Civ AETC/DORA
Cc: Sims Ronald C Civ AETC/DOFF
Subject: RE: DC#1 Quest 14.87

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

Roger,

It appears our original answer did not include runway ops by direct supporting aircraft for at least a few of the syllabi.

e.g., for the IFF A track: 18 sorties*1.1 refly rate = 20 sorties*2 rwy ops per sortie = 40, which excludes 11 DS sorties

So, if you need to include the direct supporting aircraft, all answers should be in terms of the SSR for each syllabus; and if you need to capture the number of runway ops, then a T&G multiplier should be applied as well, as you alluded to. While T&Gs are not uniformly distributed across the syllabus (most required T&Gs occur in the first 6 or so sorties), a multiplier will serve to adequately capture the information. For our syllabi, column 3 should reflect 3*SSR (1 T&G on every other sortie = 2 rwy ops per 2 sorties, or 1 extra per sortie):

Syllabus	Col 3
BFI A	99
BFI B	94
IFF A	96
IFF B	103
IFF C	91
IFF IP A	122
IFF IP B	121
IFF IP C	133
Conv	16

I have to admit I'm a bit uncomfortable that with one email to you the efforts of 5 people at various levels (unit, base, MAJCOM, HAF) who put their own blood and sweat into the answers are overridden, and also that we changed horses midstream here at Moody. But hey, I've been in an ACES II ejection seat for 12 hours in a row (and that's pretty uncomfortable), but I didn't whine about that (much, and you did ask for my thoughts.)

KGH

-----Original Message-----
From: Olson Roger Civ AETC/DORA [mailto:Roger.Olson@RANDOLPH.AF.MIL]
Sent: Thursday, August 19, 2004 10:14 AM
To: Dobbins Bruce Maj 80 OG/OGT; Horton Kirk G LtCol 479 FTG/CAG
Cc: Sims Ronald C Civ AETC/DOFF
Subject: DC#1 Quest 14.87
Importance: High

DRAFT DELIBERATIVE DOCUMENT - FOR DISCUSSION PURPOSES ONLY - DO NOT RELEASE

UNDER FOIA

Lumpy, Kirk
Got another divergence between Sheppard and Moody IFF
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SPS = 25
MDY = 40

I think they are both wrong in context of the clarification
I've been asked to provide. The question is intended to
capture the total daylight operations to 'get the student
thru training'. That means we should capture all the sorties
flow = SSR at least. I propose we use an operations factor
times the SSR.

SPS SSR=34.8 must accomplish at least 70 operations to complete
student

MDY SSR=33.3 must accomplish at least 67 operations to complete
student

Need a T&G factor --- ie T&G ever 2 missions/3/4?

Your thoughts?
Roger

Olson Roger Civ AETC/DORA

From: Sims Ronald C Civ AETC/DOFF
Sent: Thursday, August 19, 2004 3:33 PM
To: Olson Roger Civ AETC/DORA
Subject: FW: DC#1 Quest 14.87

Roger,
These numbers look very close to what we discussed. I know you need 1 # for the B crs and 1 for the UIP crs. I would use:
- B Crse -103
- UIP - 133

Ron Sims

AETC/DOFF

Fighter Training Branch

DSN 487-5834

ronald.sims@randolph.af.mil

-----Original Message-----
From: Horton Kirk G LtCol 479 FTG/CAG
Sent: Thursday, August 19, 2004 3:28 PM
To: Olson Roger Civ AETC/DORA
Cc: Sims Ronald C Civ AETC/DOFF
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Need a T&G factor --- ie T&G ever 2 missions/3/4?

Your thoughts?
Roger

Olson Roger Civ AETC/DORA

From: Olson Roger Civ AETC/DORA
Sent: Wednesday, August 18, 2004 2:46 PM
To: Spann Joseph A GS-13 80 FTW/EP
Cc: Pat Bush Maj (E-mail)
Subject: DC#1 14.87

Importance: High

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

Joe
I have a significant problem with 14.87 because a comparison of UFT and ENJJPT #s just don't look right. I know the question (as many others) was difficult to answer and relied on estimates. Nevertheless, in this recent exercise....similar programs will be scrutinized. I would expect ENJJPT operations to be slightly higher than UFT because both T-37 and T-38 syllabus flying hours are larger (123 vs 89 and 130 vs 119 respectively).

I think the solution is to allow us to use the UFT data - because it is the normalization of 3 installations estimates - and apply a weighted adjustment based on your larger syllabi. The new numbers would look like what I've highlighted in red.

Can Sheppard accept this approach?
Roger

TELECON APPROVAL FROM MAJ DOBBINS 08/18/04

Quest14.87Sheppard_18aug04.xls...

14.87: If your installation conducts undergraduate or graduate level flight training, give the total numbers of daylight and nighttime runway operations that are required for each syllabus of pilot undergraduate and graduate training. Estimate the number

Base	1. Name of training syllabus (Text)	2. Aircraft (Text)	3. Required by Syllabus - Day (Count)	4. Required by Syllabus - Night (Count)	5. Overhead Sorties (%) - Day (%)	6. Overhead Sorties (%) - Night (%)	7. Total per Graduate - Day (Count)	8. Total per Graduate - Night (Count)
Sheppard	T-37 & T-38 ENJJPT - P-V4A-N		788	20	12	5	883	21
	T-37 & T-38 Undergraduate		1064	12-32	22-20	43.1	1287	53
		syllabus hr ratio						
	T-37 ENJJPT/T-37 UFT	123/89	1.382022					
	T-38 ENJJPT/T-37 UFT	130/118.7	1.095198					
	Proposed T-37 ENJJPT		655	17	22.1	23.1	800	21
	Proposed T-38 ENJJPT		646	35	20.0	20.0	775	42
			1.382022	1.382022	1.3820225	1.3820225	1.3820225	1.3820225
			1.095198	1.095198	1.095198	1.095198	1.095198	1.095198

Instructor Factors - 19 Aug 04

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

	Instructor Tour (yrs)	Cal Days/Class	Days/Year	Classes/Year	#Stud/IP/Class	#Students Instructor Produces	% of IP Overhead/Student Factor
Primary (T-37)	2.70	90.00	225.00	2.50	1.43	9.66	10%
Primary (T-6)	2.70	90.00	225.00	2.50	1.28	8.63	12%
Primary (Aviation Leadership Program)	2.70	150.00	225.00	1.50	1.39	5.63	18%
Primary (ENJJPT)	2.70	108.00	216.00	2.00	1.07	5.75	17%
Fighter/Bomber	2.70	120.00	225.00	1.88	0.96	4.86	21%
Fighter/Bomber (ENJJPT)	2.70	108.00	216.00	2.00	0.84	4.54	22%
Airlift/Tanker	2.70	120.00	225.00	1.88	1.38	6.99	14%
Introduction to Fighter Fundamentals	2.70	34.00	221.00	6.50	0.65	11.49	9%
Introduction to Fighter Fundamentals (ENJJPT)	2.70	31.00	225.00	7.26	0.84	16.49	6%
Helicopter	2.70	114.00	225.00	1.97	1.00	5.33	19%
Primary Navigation	2.70	157.00	225.00	1.43	4.09	15.82	6%
Airmanship	2.70	15.00	225.00	15.00	2.82	114.21	1%
Electronic Warfare Officer	2.70	172.00	225.00	1.31	1.38	4.88	20%

FY04 Data		ADSL	Total IPs	#Stud/IP
Primary (T-37)	Columbus AFB	188.2	131.0	1.44
	Laughlin AFB	In T-37 to T-6 transition		
	Vance AFB	201.0	141.0	1.43
			avg	**1.43**
Primary (T-6)	Moody AFB	110.0	86.0	1.3
	Laughlin AFB	In T-37 to T-6 transition		
Primary (Aviation Leadership Program)	Columbus AFB	15.3	11.0	1.4
Primary (ENJJPT)	Sheppard	128.9	121.0	1.1
Fighter/Bomber	Columbus AFB	66.1	66	1.0
	Laughlin AFB	68.3	68	1.0
	Vance AFB	56.0	64.0	0.9
			avg	**1.0**
Fighter/Bomber (ENJJPT)	Sheppard	103.5	123.0	0.8
Airlift/Tanker	Columbus AFB	121.6	88.0	1.4
	Laughlin AFB	125.3	90.0	1.4
	Vance AFB	119.0	87.0	1.4
			avg	**1.4**
Introduction to Fighter Fundamentals	Moody AFB	57.6	88.0	0.7
Introduction to Fighter Fundamentals (ENJJPT)	Sheppard	23.4		
Helicopter	Rucker	29.0	29.0	1.0
Primary Navigation	Randolph	261.7	64.0	4.1
Airmanship	Randolph	14.1	5.0	2.8
Electronic Warfare Officer	Randolph	65.0	47.0	1.4

14.87: Amplification: The doctrinal term "syllabus" yielded answers in greater detail than E&T JCSG FT could accurately categorize/analyze. E&T JCSG FT needs (with credible accuracy) the average number of runway operations (in terms of take-offs, landings, and touch & goes) it takes to get a single student through various phases of undergraduate pilot training. Request USAF BRAC and AETC experts complete the following table by inserting the average number of runway operations arrayed in six categories (categories specified in notes below the table) for each phase of AETC-sponsored undergraduate flying training programs (count a "touch & go" as two runway operations).

RUNWAY OPERATIONS Randolph AFB Instructor Programs	Catagories (See Notes)					
	1	2	3	4	5	6
T-37 Pilot Instructor Training	202	0	21.78	0	246	0
T-6 Pilot Instructor Training	207	0	28.12	0	265	0
T-6 Instructor Pilot Transition	142	0	28.12	0	182	0
T-38C Pilot Instructor Training	146	4	16.4	16.4	170	5
T-1 Pilot Instructor Training	433	5	37.5	37.5	595	7
T-43 Pilot Training (Nav Training Platform)	14	2	23.3	23.3	17	3
Navigator/NFO Instructor Training	18	0	23	0	22.1	0
EWO Instructor	18	0	23	0	22.1	0

1 Number of syllabus-driven daylight-hour runway operations (daylight = after sunrise and before sunset).

2 Number of syllabus-driven nighttime-hour runway operations.

3 Percent of daylight-hour operations for overhead (overhead = operations for instructor training, maintenance flights, students who attrite, excess flights required to reach desired proficiency level, etc.).

4 Percent of nighttime-hour operations for overhead.

5 Total number of daylight runway operations per graduate (total = syllabus-driven + overhead; e.g., if the syllabus requires 500 ops and overhead factor is 20%, the total requirement is 600 total operations.)

6 Total number of nighttime runway operations per graduate.

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RUNWAY OPERATIONS Other AETC Instructor Programs	Catagories (See Notes)					
	1	2	3	4	5	6
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Moody IFF Instructor Pilot Training	133	0	15	N/A	153	N/A
Rucker Helicopter Pilot Instructor Training	446	120	10	10	491	132

Number of syllabus-driven daylight-hour runway operations (daylight = after sunrise and before sunset).
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Non-WIDGET Certification Sheet

Functional Point of Contact Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6.13 TA1 9 SEP2004 Office Symbol: _____

Signature: KB DIAMOND LtCol KB Date: _____

Printed Name, Phone, Title: C4873394 AETC/XPP3

Answer Provider Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6.46694 Office Symbol: DO1

Signature: _____ Date: 19 AUG 04

Printed Name, Phone, Title: Olson, Robert T. 487-2585 DO FPOC

DC#1 14.88

DC#1A – #4341

14.88: Amplification: The doctrinal term "syllabus" yielded answers in greater detail than E&T JCSG FT could accurately categorize/analyze. E&T JCSG FT seeks to discover (with credible accuracy) the average number of runway operations (in terms of take-offs, landings, and touch & goes) it takes to get a single student through various phases of undergraduate navigator training. Request USAF BRAC and AETC experts complete the following table by inserting the average number of runway operations arrayed in six categories (categories specified in notes below the table) for each phase of AETC-sponsored undergraduate flying training programs (count a "touch & go" as two runway operations).

RUNWAY OPERATIONS UNT Phases of AETC-sponsored UNT Programs	Catagories (See Notes)							
	1	2	3	4	5	6		
Primary Navigation	32	0	23.0	0.0	39	0	0.06	0.06
Primary Navigation Instructor Overhead Included	33.1	0.0	23.0	0.0	40.3	0.0	18	0
Airmanship	8	0	37.5	0.0	11	0	0.01	0.01
Airmanship Instructor Overhead Included	12.3	0.1	37.5	0.0	17.0	0.1	433	5
Electronic Warfare Officer	4	0	23.0	0.0	5	0	0.2	0.2
Electronic Warfare Officer Instructor Overhead Included	7.6	0.0	23.0	0.0	9.4	0.0	18	0
IFF WSO Training - Moody	20	0	15.0	0.0	23	0		
IFF WSO Training - Moody Instructor Overhead Included	WSO students fly with IFF Instructor Pilots - no addl IP requirement							

1 Number of syllabus-driven daylight-hour runway operations (daylight = after sunrise and before sunset).
2 Number of syllabus-driven nighttime-hour runway operations.
3 Percent of daylight-hour operations for overhead (overhead = operations for instructor training, maintenance flights, students who attrite, excess flights required to reach desired proficiency level, etc.).
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6 Total number of nighttime runway operations per graduate.

14.88 : If your installation conducts undergraduate or graduate level flight training, give the total numbers of daylight and nighttime runway operations that are required for each syllabus of Navigator/NFO undergraduate and graduate training. Estimate the number of operations required by the syllabus, the percentage of overhead runway operations necessary to meet the syllabus requirements, and the total number of runway operation per graduate.

Base	1. Name of training syllabus (Text)	2. Aircraft (Text)	3. Required by Syllabus - Day (Count)	4. Required by Syllabus - Night (Count)	5. Overhead Sorties (%) - Day (%)	6. Overhead Sorties (%) - Night (%)	7. Total per Graduate Day (Count)	8. Total per Graduate Night (Count)
Randolph Primary Nav	AETC Syllabus N-V4R-N-1	T-43	22	0	23	0	24.5	0
	AETC Syllabus N-V4R-N-2	T-43	10	0	23	0	12.3	0
Randolph Airmanship	AETC Syllabus N-V4-N-5 T-1	T-1	8	0	37.5	0	11	0
Randolph Electronic Warfare Officer	AETC Syllabus B-V4-w/B-V5E-W	T-43	4	0	23	0	4.92	0
Moody IFF WSO Training	IFF (B/F-V5A-K(C)) WSO	T-38C	20	0	15	N/A	23	N/A

Current Source: 14.88

Source Name: Flying Training Syllabi	**Source Date:** 19 Aug 04
Source Location: AETC/DOF	

Source Method: Installation answers to 14.88 were not changed; however, in order to provide the instructor overhead costs, an instructor ratio was calculated based on an instructor's average productivity during a standard tour, see the 'Instructor Factors' spreadsheet 19 Aug 04 attached. Data for the total operations including instructor overhead were obtained by multiplying the appropriate instructor factor times operations required to produce an instructor. This 'factor' was then added to the requirement to produce a single student yielding a total figure which includes instructor overhead.

Instructor Factors - 19 Aug 04

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Navigator/NFO Instructor Training	18	0	23	0	22.1	0
EWO Instructor	18	0	23	0	22.1	0

1 Number of syllabus-driven daylight-hour runway operations (daylight = after sunrise and before sunset).
2 Number of syllabus-driven nighttime-hour runway operations.
3 Percent of daylight-hour operations for overhead (overhead = operations for instructor training, maintenance flights, students who attrite, excess flights required to reach desired proficiency level, etc.).
4 Percent of nighttime-hour operations for overhead.
5 Total number of daylight runway operations per graduate (total = syllabus-driven + overhead; e.g., if the syllabus requires 500 ops and overhead factor is 20%, the total requirement is 600 total operations.)
6 Total number of nighttime runway operations per graduate.

Non-WIDGET Certification Sheet

Functional Point of Contact Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6.13 TA1 9 SEP2004 Office Symbol: _____

Signature: KB DIAMOND LtCol KB Date: _____

Printed Name, Phone, Title: C4873394 AETC/XPPB

Answer Provider Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6.16694 Office Symbol: DO1

Signature: [signature] Date: 19 AUG 04

Printed Name, Phone, Title: OLSON, ROGER T. 487-2585 DOFPCC

DC#1 1.101

DC #1A - # 4342

Draft Deliberative Document-For Discussion Only-Do Not Release Under FOIA - 19 Aug 04

1.101: Amplification: This question seeks a "usage requirement" for ground training facilities (i.e. classroom (FAC 1711) and simulator (FAC 1721) facilities). E&T JCSG FT needs (with credible accuracy) the average number of hours a single student spends in a classroom or classroom environment and a simulator to complete various phases of undergraduate flight training. Request USAF BRAC and AETC experts complete the table below by inserting the average number of hours devoted to classroom and simulator instruction for each phase of AETC-sponsored undergraduate flying training programs.

CLASSROOM / SIMULATOR USAGE Phases of AETC-sponsored Flight Training Programs	Classrooms		Simulator	
	Classroom/CAI Lab	Flight Room		
Primary (T-37)	238.5	765.0	27.3	0.1
Primary (T-37) Including IP Overhead	245.6	821.1	29.5	70.5
Primary (T-6)	238.5	765.0	57.4	0.12
Primary (T-6) Including IP Overhead	253.5	833.3	61.3	125
Primary (Aviation Leadership Program)	247.5	1275.0	48.1	0.18
ALP Including IP Overhead	260.2	1376.0	52.1	70.5
Primary (ENJJPT)	202.1	972.0	29.0	0.17
Primary (ENJJPT) Including IP Overhead	213.8	1069.9	32.8	69
Fighter/Bomber	176.8	1020.0	36.9	0.21
Fighter/Bomber Including IP Overhead	207.4	1137.8	41.8	145.5
Fighter/Bomber (ENJJPT)	149.2	972.0	31.7	0.22
Fighter/Bomber (ENJJPT) Including IP Overhead	163.9	1098.7	36.9	67
Airlift/Tanker	151.4	1080.0	43.2	0.14
Airlift/Tanker Including IP Overhead	172.3	1151.4	45.4	149.1
Introduction to Fighter Fundamentals	143.4	46.6	16.9	0.09
IFF Including IP Overhead	151.0	54.5	18.4	84
Introduction to Fighter Fundamentals (ENJJPT)	57.4	46.6	3.9	0.06
IFF (ENJJPT) Including IP Overhead	61.3	51.9	4.1	65.2
Helicopter	152.0	741.0	25.5	0.19
Helicopter Including IP Overhead	162.7	776.0	26.6	58.5
Primary Navigation	449.0	52.5	107.0	0.06
Primary Navigation Instructor Overhead Included	457.4	53.3	109.9	140
Airmanship	13.0	32.0	3.0	0.01
Airmanship Instructor Overhead Included	14.5	37.1	3.2	149.1
Electronic Warfare Officer	568.5	52.5	152.0	0.2
Electronic Warfare Officer Instructor Overhead Included	631.9	55.2	158.4	317

1.101 : Provide the ground school training requirements for flight training facilities (classrooms, simulators, labs, life support facilities, etc.) by Facility Analysis Code (FAC). Include all applicable 17XX FAC's and any other FAC where ground flight training occurs. Ensure that the requirements for all types of simulators are indicated (cockpit, Unit Training Devices, instrument (IFT), and motion-based/visual (OFT), etc.).

Base	1. Name of training syllabus (Text)	2. FAC for Facility (Text)	3. Description of facility (100 char max)	4. Usage requirement (hours per graduate) (Hr)
Randolph	EWOT and EWU (B-V4E-W/B-V5E-W)	1721	Training	97
Randolph	EWOT and EWU (B-V4E-W/B-V5E-W)	1712	Instruction	267
Randolph	Electronic Warfare Coordinator (S-V8E-S)	1712	Instruction	78.5
Randolph	Electronic Warfare Principles Training (N-V-4R-N-3	1712	Instruction	71
Randolph	Electronic Warfare Principles Training (N-V4R-N-3)	1721	Training	3
Randolph	Global Navigation N-V4R-N-2	1712	Instruction	71.5
Randolph	Global Navigation N-V4R-N-2	1721	Training	24
Randolph	Intro to EW(B-V7C-E)	1712	Instruction	36
Randolph	Primary Navigation N-V4R-N-1	1712	Instruction	265.5
Randolph	Primary Navigation N-V4R-N-1	1721	Training	55
Randolph	Theater Operations (N-V4R-N-4)	1712	Instruction	76
Randolph	Theater Operations (N-V4R-N-4)	1721	Training	26
Randolph	T-1 Airmanship (N-V4R-N-5)	1712	Instruction	13
Randolph	T-1 Airmanship (N-V4R-N-5)	1721	T-1 OFT	6
Columbus	P-V4A-A (T-37 JSUPT)	1721	(CFT)	1.5
Columbus	P-V4A-A (T-37 JSUPT)	1721	(T50)	27.3
Columbus	P-V4A-A (T-37 JSUPT)	1717	Academic classroom	140
Columbus	P-V4A-A (T-37 JSUPT)	1712	Flight Room	55
Columbus	P-V4A-A (T-37 JSUPT)	7421	Facility	88
Columbus	P-V4A-A (T-37 JSUPT)	1722	Training Facility	43.5
Laughlin	T-37 Joint Specialized Undergraduate Pilot Trainin	1711	Classroom/Compute	221
Laughlin	T-37 Joint Specialized Undergraduate Pilot Trainin	1721	Trainer/Simulator	28.8
Laughlin	T-37 Joint Specialized Undergraduate Pilot Trainin	1722	Training/Life Support	17.5
Laughlin	T-37 Joint Specialized Undergraduate Pilot Trainin	7421	Gymnasium	88
Vance	P-V4A-A (T-37B)	1711	Building 690	135.5
Vance	P-V4A-A (T-37B)	1722	Building 826	49
Vance	P-V4A-A (T-37B)	1721	Building 872	28.8
Vance	P-V4A-A (T-37B)	1712	Bldg 179	54
Vance	P-V4A-A (T-37B)	7421	Bldg 316 (fitness)	88
Laughlin	T-6 Joint Primary Pilot Training (TIMS)	1711	Classroom/Compute	220.5
Laughlin	T-6 Joint Primary Pilot Training (TIMS)	1721	Flight Simulators)	57.4
Laughlin	T-6 Joint Primary Pilot Training (TIMS)	1722	Training/Life Support	18
Laughlin	T-6 Joint Primary Pilot Training (TIMS)	7421	Gymnasium	5
Moody	P-V4A-J(TIMS)	171214	TRAINING BLDG 77	42
Moody	P-V4A-J(TIMS)	171214	CHAMBER BLDG	6
Moody	P-V4A-J(TIMS)	141753	SQ OPS..BLDG 709	195.5
Moody	P-V4A-J(TIMS)	171211	SIMULATOR.OFT I	57.4
Columbus	P-V4A-A (T-38C SUPT)	1721	(UTD or OFT)	27.8
Columbus	P-V4A-A (T-38C SUPT)	1721	(OFT)	9.1
Columbus	P-V4A-A (T-38C SUPT)	1717	Academic Classroom	100
Columbus	P-V4A-A (T-38C SUPT)	1712	Flight Room	68
Columbus	P-V4A-A (T-38C SUPT)	7421	Facility	90
Columbus	P-V4A-A (T-38C SUPT)	1722	Training Facility	6.5
Columbus	P-V4A-E (Aviation Leadership Pro	1721	(CFT)	1.5
Columbus	P-V4A-E (Aviation Leadership Pro	1721	(T50)	28.6
Columbus	P-V4A-E (Aviation Leadership Pro	1717	Academic Classroom	150
Columbus	P-V4A-E (Aviation Leadership Pro	1712	Flight Room	54
Columbus	P-V4A-E (Aviation Leadership Pro	7421	Facility	88
Columbus	P-V4A-E (Aviation Leadership Pro	1722	Facility	43.5
Columbus	P-V4A-G (T-1A JSUPT)	1721	(T96)	43.2
Columbus	P-V4A-G (T-1A JSUPT)	1717	Academic Classroom	135.6
Columbus	P-V4A-G (T-1A JSUPT)	1712	Flight Room	11.3
Columbus	P-V4A-G (T-1A JSUPT)	7421	Facility	72
Columbus	P-V4A-G (T-1A JSUPT)	1722	Training Facility	4.5

Moody	B/F-V5A-I Air to Air	171212	SIMULATOR OFT.	12.3
Moody	B/F-V5A-I Air to Air	171214	TRAINING BLDG 77	7
Moody	B/F-V5A-I Air to Air	141753	SQ OPS..BLDG 709	122.6
Moody	B/F-V5A-I Dual Role	171212	SIMULATOR OFT.	19.2
Moody	B/F-V5A-I Dual Role	171214	TRAINING BLDG 77	7
Moody	B/F-V5A-I Dual Role	141753	SQ OPS..BLDG 709	141.3
Moody	B/F-V5A-K(C) Air to Air	171212	SIMULATOR OFT.	12.3
Moody	B/F-V5A-K(C) Air to Air	141753	SQ OPS..BLDG 782	122.6
Moody	B/F-V5A-K(C) Air to Air	171214	TRAINING BLDG 77	7
Moody	B/F-V5A-K(C) Air to Ground	171212	SIMULATOR OFT.	19.2
Moody	B/F-V5A-K(C) Air to Ground	171214	TRAINING BLDG 77	7
Moody	B/F-V5A-K(C) Air to Ground	141753	SQ OPS..BLDG 709	142.3
Moody	B/F-V5A-K(C) Dual Role	171212	SIMULATOR OFT.	19.2
Moody	B/F-V5A-K(C) Dual Role	171214	TRAINING BLDG 77	7
Moody	B/F-V5A-K(C) Dual Role	141753	SQ OPS..BLDG 709	144.3
Moody	B/F-V5A-K(C) WSO	171212	SIMULATOR OFT.	3.6
Moody	B/F-V5A-K(C) WSO	171214	TRAINING BLDG 77	7
Moody	B/F-V5A-K(C) WSO	141753	SQ OPS..BLDG 709	127.8
Columbus	P-V4A-A (T-38C SUPT)	1721	(UTD or OFT)	27.6
Columbus	P-V4A-A (T-38C SUPT)	1721	(OFT)	9.1
Columbus	P-V4A-A (T-38C SUPT)	1717	Academic Classroom	100
Columbus	P-V4A-A (T-38C SUPT)	1712	Flight Room	68
Columbus	P-V4A-A (T-38C SUPT)	7421	Facility	90
Columbus	P-V4A-A (T-38C SUPT)	1722	Training Facility	6.5
Vance	P-V4A-A (T-38C)	1722	Building 826	10.3
Vance	P-V4A-A (T-38C)	1711	Building 690	98.5
Vance	P-V4A-A (T-38C)	1721	Building 672	36.9
Vance	P-V4A-A (T-38C)	1712	Bldg 183	68
Vance	P-V4A-A (T-38C)	7421	Bldg 316	90
Laughlin	T-38A Specialized Undergraduate Pilot Training	1711	Classroom/Compute	147
Laughlin	T-38A Specialized Undergraduate Pilot Training	1721	Training/Cockpit	31.9
Laughlin	T-38A Specialized Undergraduate Pilot Training	1722	Training/Centrifuge/L	8.8
Laughlin	T-38A Specialized Undergraduate Pilot Training	7421	Gymnasium	90
Vance	P-V4A-A (T-38A)	1722	Building 826	10.3
Vance	P-V4A-A (T-38A)	1711	Building 690	77
Vance	P-V4A-A (T-38A)	1721	Building 672	29.9
Vance	P-V4A-A (T-38A)	1712	Bldg 183	68.5
Vance	P-V4A-A (T-38A)	7421	Bldg 316	90
Columbus	P-V4A-E (Aviation Leadership Program)	1721	(CFT)	1.5
Columbus	P-V4A-E (Aviation Leadership Program)	1721	(T50)	28.5
Columbus	P-V4A-E (Aviation Leadership Program)	1717	Academic Classroom	150
Columbus	P-V4A-E (Aviation Leadership Program)	1712	Flight Room	54
Columbus	P-V4A-E (Aviation Leadership Program)	7421	Facility	88
Columbus	P-V4A-E (Aviation Leadership Program)	1722	Facility	43.5
Columbus	P-V4A-G (T-1A JSUPT)	1721	(T96)	43.2
Columbus	P-V4A-G (T-1A JSUPT)	1717	Academic Classroom	135.5
Columbus	P-V4A-G (T-1A JSUPT)	1712	Flight Room	11.3
Columbus	P-V4A-G (T-1A JSUPT)	7421	Facility	72
Columbus	P-V4A-G (T-1A JSUPT)	1722	Training Facility	4.5
Laughlin	T-1 Joint Specialized Undergraduate Pilot Training	1711	Classroom/Compute	146.9
Laughlin	T-1 Joint Specialized Undergraduate Pilot Training	1721	Training	43.2
Laughlin	T-1 Joint Specialized Undergraduate Pilot Training	1722	Training/Life Support	4.5
Laughlin	T-1 Joint Specialized Undergraduate Pilot Training	7421	Gymnasium	72
Vance	P-V4A-G (T-1)	1711	Building 690	134.6
Vance	P-V4A-G (T-1)	1722	Building 826	4.5
Vance	P-V4A-G (T-1)	1712	Bldg 541	12.3
Vance	P-V4A-G (T-1)	7421	Bldg 316	72
Vance	P-V4A-G (T-1)	1721	Bldg 672	43.2
Sheppard	B/F-V5A-L	1721	Facility	3.9
Sheppard	B/F-V5A-L	1711	ACADEMIC	50.4
Sheppard	B/F-V5A-L	1722	Training Facility	7
Sheppard	B/F-V5A-L	7421	Fitness Facility	21
Sheppard	P-V4A-N	1721	SIMULATOR	60.7
Sheppard	P-V4A-N	1711	ACADEMIC	295.3
Sheppard	P-V4A-N	1722	Training Facility	56
Sheppard	P-V4A-N	7421	Fitness Facility	168

1.101: Amplification: This question seeks a "usage requirement" for ground training facilities (i.e. classroom (FAC 1711) and simulator (FAC 1721) facilities). E&T JCSG FT needs (with credible accuracy) the average number of hours a single student spends in a classroom or classroom environment and a simulator to complete various phases of undergraduate flight training. Request USAF BRAC and AETC experts complete the table below by inserting the average number of hours devoted to classroom and simulator instruction for each phase of AETC-sponsored undergraduate flying training programs.

CLASSROOM / SIMULATOR USAGE	Classrooms		
Randolph AFB Instructor Programs	Classroom/CAI Lab	Flight Room	Simulator
T-37 Pilot Instructor Training	70.5	561.0	22.1
T-6 Pilot Instructor Training	125	569.5	32.9
T-38C Pilot Instructor Training	145.5	561.0	23.1
T-1 Pilot Instructor Training	149.1	510.0	15.6
T-43 Pilot Training (Nav Training Platform)	137	54.0	20
Navigator/NFO Instructor Training	140	13.5	48
EWO Instructor	317	13.5	32
T-6 Instructor Pilot Transition	114.9	340.0	13

1.101: Amplification: This question seeks a "usage requirement" for ground training facilities (i.e. classroom (FAC 1711) and simulator (FAC 1721) facilities). E&T JCSG FT needs (with credible accuracy) the average number of hours a single student spend

CLASSROOM / SIMULATOR USAGE Other AETC Instructor Programs	Classrooms		
	Classroom/CAI Lab	Flight Room	Simulator
ENJJPT T-37 Instructor Pilot Training	69	576	22.4
ENJJPT T-38 Instructor Pilot Training	67	576	23.5
ENJJPT IFF Instructor Pilot Training	65.2	88.2	3.3
Moody IFF Instructor Pilot Training	84	88.2	16.9
Rucker Helicopter Pilot Instructor Training	56.5	184	6

Current Source: 1.101

Source Name: Flying Training Syllabi	**Source Date:** 19 Aug 02
Source Location: AETC/DOF	

Source Method: AETC Headquarters syllabus experts reviewed current flying training syllabi and provided classroom/CAI and simulator hours required to graduate a single student. Additionally, AETC Headquarters experts estimated the number of hours per day a flight room was required to be available for each type of student training, that was then multiplied by the training days per syllabus to yield the flight room usage requirement per student. In order to provide the instructor overhead costs, an instructor ratio was calculated based on an instructor's average productivity during a standard tour, see the 'Instructor Factors' spreadsheet 19 Aug 04 attached. Usage data for instructor overhead was obtained by multiplying the appropriate instructor factor times usage required to produce an instructor. This 'factor' was then added to the requirement to produce a single student yielding a total figure which includes instructor overhead. Navigator flight room usage requirement was determined by interviewing the T-43 chief pilot.

Instructor Factors - 19 Aug 04

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	Instructor Tour (yrs)	Cal Days/Class	Days/Year	Classes/Year	#Stud/IP/Class	#Students Instructor Produces	% of IP Overhead/Student Factor
Primary (T-37)	2.70	90.00	225.00	2.50	1.43	9.66	10%
Primary (T-6)	2.70	90.00	225.00	2.50	1.28	8.63	12%
Primary (Aviation Leadership Program)	2.70	150.00	225.00	1.50	1.39	5.63	18%
Primary (ENJJPT)	2.70	108.00	216.00	2.00	1.07	5.75	17%
Fighter/Bomber	2.70	120.00	225.00	1.88	0.96	4.85	21%
Fighter/Bomber (ENJJPT)	2.70	108.00	216.00	2.00	0.84	4.54	22%
Airlift/Tanker	2.70	120.00	225.00	1.88	1.38	6.99	14%
Introduction to Fighter Fundamentals	2.70	34.00	221.00	6.50	0.65	11.49	9%
Introduction to Fighter Fundamentals (ENJJPT)	2.70	31.00	225.00	7.26	0.84	16.49	6%
Helicopter	2.70	114.00	225.00	1.97	1.00	5.33	19%
Primary Navigation	2.70	157.00	225.00	1.43	4.09	15.82	6%
Airmanship	2.70	15.00	225.00	15.00	2.82	114.21	1%
Electronic Warfare Officer	2.70	172.00	225.00	1.31	1.38	4.88	20%

FY04 Data

		ADSL	Total IPs	#Stud/IP
Primary (T-37)	Columbus AFB	188.2	131.0	1.44
	Laughlin AFB	In T-37 to T-6 transition		
	Vance AFB	201.0	141.0	1.43
			avg	**1.43**
Primary (T-6)	Moody AFB	110.0	86.0	1.3
	Laughlin AFB	In T-37 to T-6 transition		
Primary (Aviation Leadership Program)	Columbus AFB	15.3	11.0	1.4
Primary (ENJJPT)	Sheppard	128.9	121.0	1.1
Fighter/Bomber	Columbus AFB	66.1	66	1.0
	Laughlin AFB	68.3	68	1.0
	Vance AFB	56.0	64.0	0.9
			avg	**1.0**
Fighter/Bomber (ENJJPT)	Sheppard	103.5	123.0	0.8
Airlift/Tanker	Columbus AFB	121.6	88.0	1.4
	Laughlin AFB	125.3	90.0	1.4
	Vance AFB	119.0	87.0	1.4
			avg	**1.4**
Introduction to Fighter Fundamentals	Moody AFB	57.6	88.0	0.7
Introduction to Fighter Fundamentals (ENJJPT)	Sheppard	23.4		
Helicopter	Rucker	29.0	29.0	1.0
Primary Navigation	Randolph	261.7	64.0	4.1
Airmanship	Randolph	14.1	5.0	2.8
Electronic Warfare Officer	Randolph	65.0	47.0	1.4

1.101: Amplification: This question seeks a "usage requirement" for ground training facilities (i.e. classroom (FAC 1711) and simulator (FAC 1721) facilities). E&T JCSG FT needs (with credible accuracy) the average number of hours a single student spends in a classroom or classroom environment and a simulator to complete various phases of undergraduate flight training. Request USAF BRAC and AETC experts complete the table below by inserting the average number of hours devoted to classroom and simulator instruction for each phase of AETC-sponsored undergraduate flying training programs.

CLASSROOM / SIMULATOR USAGE Randolph AFB Instructor Programs	Classrooms		Simulator
	Classroom/CAI Lab	Flight Room	
T-37 Pilot Instructor Training	70.5	561.0	22.1
T-6 Pilot Instructor Training	125	569.5	32.9
T-38C Pilot Instructor Training	145.5	561.0	23.1
T-1 Pilot Instructor Training	149.1	510.0	15.6
T-43 Pilot Training (Nav Training Platform)	137	54.0	20
Navigator/NFO Instructor Training	140	13.5	48
EWO Instructor	317	13.5	32
T-6 Instructor Pilot Transition	114.9	340.0	13

1.101: Amplification: This question seeks a "usage requirement" for ground training facilities (i.e. classroom (FAC 1711) and simulator (FAC 1721) facilities). E&T JCSG FT needs (with credible accuracy) the average number of hours a single student spend

CLASSROOM / SIMULATOR USAGE Other AETC Instructor Programs	Classrooms		
	Classroom/CAI Lab	Flight Room	Simulator
ENJJPT T-37 Instructor Pilot Training	69	576	22.4
ENJJPT T-38 Instructor Pilot Training	67	576	23.5
ENJJPT IFF Instructor Pilot Training	65.2	88.2	3.3
Moody IFF Instructor Pilot Training	84	88.2	16.9
Rucker Helicopter Pilot Instructor Training	56.5	184	6

Olson Roger Civ AETC/DORA

From: Babcock Steven L Contr AETC/DOFI
Sent: Wednesday, August 18, 2004 10:35 AM
To: Olson Roger Civ AETC/DORA
Cc: Babcock Steven L Contr AETC/DOFI
Subject: FW: DC#1 Flight Room Usage Adjudication - BRAC

Importance: High

Roger,

Updated table to T-1, T-6, T-38, T-37

Steve

-----Original Message-----
From: Olson Roger Civ AETC/DORA
Sent: Tuesday, August 17, 2004 11:48 AM
To: Steven L Contr AETC/DOFI Babcock (E-mail)
Cc: Sims Ronald C Civ AETC/DOFF; Gunn Bruce R Civ AETC/DOFS; Terry P Contr AETC/DOFI Long (E-mail); Pat Bush Maj (E-mail); Hopkinson Russell H LtCol AETC/DOFI
Subject: DC#1 Flight Room Usage Adjudication - BRAC
Importance: High

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

Steve
Mike Wallace is away, please take the lead on this question...late breaking BRAC adjudication to help complete a larger tasker

All CCed please start thinking/working this problem...sure Steve will need your help.

We spoke, I need an estimate for our undergraduate, IFF, and instructor training programs of how much time a FTS flight room must be available (hours/day) for the average student. Must take into account how we operate...ie, T-37 class reports to flight line and are in 'X Flight' for 7-9 hours (???) Same methodology for all programs, T-37, T-6, T-38, employ a flight room similarly, but IFF/Helo/PIT may be different...ie, IFF squadrons don't have common flight rooms, but use individual briefing/debriefing rooms (would expect their daily employment to be significantly less for example)

Fast track unfortunately, need it by COB tomorrow:(

Thanks for the help
Roger

FltRm17aug04(1).xls

Flight Room Hours - 19 Aug 04

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Estimate average total hours per day a FTS flight room must be available for each of the following:

UNDERGRADUATE FTS FLIGHT ROOM USAGE Phases of AETC-sponsored Flight Training Programs	Flight Room		fly tng day	total hrs/stud
Primary (T-37)	8.5	per/day	90	765
Primary (T-6)	8.5	per/day	90	765
Primary (Aviation Leadership Program)	8.5	per/day	150	1275
Primary (ENJJPT)	9.0	per/day	108	972
Fighter/Bomber	8.5	per/day	120	1020
Fighter/Bomber (ENJJPT)	9.0	per/day	108	972
Airlift/Tanker	9.0	per/day (at some locations the flight room is	120	1080
IFF	46.6	0.9 breif/debreif + 12.4 hrs specialized tng in squadror		46.6
IFF (ENJJPT)	46.6	0.9 breif/debreif + 12.4 hrs specialized tng in squadror		46.6
Helicopter	6.5		114	741
Airmanship (T-1 Nav Training)				0

INSTRUCTOR TRAINING FTS FLIGHT ROOM USAGE Phases of AETC-sponsored Flight Training Programs	Flight Room		fly tng day	total hrs/stud
T-37 Pilot Instructor Training	8.5	per/day	66	561
T-6 Pilot Instructor Training	8.5	per/day	67	569.5
T-38C Pilot Instructor Training	8.5	per/day	66	561
T-1 Pilot Instructor Training	8.5	per/day	60	510
T-43 Pilot Training (Nav Training Platform)				0
ENJJPT T-37 Instructor Pilot Training	8.0	per/day	72	576
ENJJPT T-38 Instructor Pilot Training	8.0	per/day	72	576
ENJJPT IFF Instructor Pilot Training	88.2	0.9 breif/debreif + 36 hrs specialized tng/observation		88.2
Moody IFF Instructor Pilot Training	88.2	0.9 breif/debreif + 36 hrs specialized tng/observation		88.2
Rucker Helicopter Pilot Instructor Training	4.0		46	184
T-6 IP Transition	8.5		40	340

Olson Roger Civ AETC/DORA

From: Sims Ronald C Civ AETC/DOFF
Sent: Monday, August 16, 2004 8:37 AM
To: Olson Roger Civ AETC/DORA
Subject: FW: IFF Q

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

Roger,

These numbers look good per our conversation about breif/debreif times not being included.

Ron Sims
AETC/DOFF
Fighter Training Branch
DSN 487-5834
ronald.sims@randolph.af.mil

-----Original Message-----
From: Nyenhuis Jeffrey W Maj AETC/DOFI
Sent: Saturday, August 14, 2004 7:30 PM
To: Sims Ronald C Civ AETC/DOFF
Cc: Olson Roger Civ AETC/DORA
Subject: IFF Q

Ron

got sent these for Q1.101 for Moody IFF. I looked at their syllabuses and couldn't reconcile what they said vice the syllabuses. Attached is Roger's spreadsheet w/ their original answers and mine in yellow--broke down into for categories, physiology, academics, sims and PT. Roger defined what a sim is--basically anything electric. Can you scrub these and forward them to Roger w/ the correct answer--I gave my best shot--but my #'s are quite different than theirs (in light green).
Thanks much!

Moody_1.101.xls RE: Quest 1.101

Jeff
Jeffrey W. Nyenhuis
Maj, USAF
T-1A Program Manager
AETC/DOFI
DSN 487-3505/6341

Non-WIDGET Certification Sheet

Functional Point of Contact Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6.13 TA1 9SEP2004 Office Symbol: _____

Signature: KB DIAMOND LtCol KB Date: _____

Printed Name, Phone, Title: C4873394 AETC/XPPB

Answer Provider Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6d66694 Office Symbol: DO1

Signature: Roy Olson Date: 19 Aug 04

Printed Name, Phone, Title: Olson, Robert T. 487-2585 DO1POC

DC#1 - 1.103

DC#1A - #4343

1.103: Amplification: This question seeks to capture the flight-training program student population an installation's ground training facilities (i.e. classrooms (FAC 1711) and simulators (FAC 1721)) can support. E&T JCSG FT needs the number and type of facilities, total number of students those facilities are designed to accommodate (design capacity) and number of hours students in the flight-training program use those facilities (in use). E&T JCSG FT will determine the total annual capacity by multiplying the design capacity by an 8-hour day over a 244-day academic year.

Base	Classrooms (FAC 1711)				Simulator Stalls (FAC 1721)			
	Type	Number	Design Capacity	In use (annual usage - hrs)	Type	Number	Total Student Seats Available	In use (annual usage - hrs)
Columbus AFB	Academic Classroom/CAI Lab	6	248	154315	T-37	8	8	
	FTS Flight Room	20	840	700320	T-38C OPT	3	3	
					T-38C UTD	3	3	
					T-1	3	6	
					sub-tt	17	20	26185
Laughlin AFB	Academic Classroom/CAI Lab	9	360	153817	T-37	2	2	
	FTS Flight Room	20	600	667845	T-6 OPT	5	5	
					T-6 IPT	5	5	
					T-6 UTD	4	4	
					T-38A	2	2	
					T-38C OPT	1	1	
					T-38C UTD	3	3	
					T-1	3	6	
					sub-tt	25	28	38793
Moody AFB	Academic Classroom/CAI Lab	9	270	99942	T-6 OPT	3	3	
	FTS Flight Room	8	198	174344	T-6 IPT	3	3	
					T-6 UTD	3	3	
					T-38C OPT	1	1	
					T-38C WST	2	2	
					sub-tt	12	12	18524
Randolph AFB	See "RND Instructor" Worksheet for data							
Sheppard AFB	Academic Classroom/CAI Lab	5	297	92047	T-38A (T-04)	6	6	
	FTS Flight Room	26	713	426181	T-37B (T-95)	6	6	
					sub-tt	12	12	15543
Vance AFB	Academic Classroom/CAI Lab	1	245	151530				
	FTS Flight Room	7	900	645930	T-37	8	8	
					T-38C OPT	3	3	
					T-38C UTD	3	3	
					T-1	2	4	
					sub-tt	16	18	25215
Rucker	Academic Classroom/CAI Lab	4	39	9116	UH-1H IPT	1	4	1500
	FTS Flight Room	4	36	43709				

1.103 : By Facility Analysis Code, calculate the current capacity for flight training students, ** Design Capacity (PN) and Capacity (in student hours per year) for all training facilities at the installation in which undergraduate or graduate flight training is conducted. Include all 1710, 1790X DoD Facility Analysis Code (FAC) series, and any other applicable FACs. Design Capacity is the number of students for which a classroom, etc., is designed. Total Capacity is student hours per year. For example: In the category 1711, a type of training facility is Flight Training Classroom. If you have 10 classrooms with a capacity of 25 students per room, the design capacity would be 250. If these classrooms are available 8 hours a day for 244 days a year, the capacity in student hours per year would be 488,000.

Base	1. Facility Analysis Code (Count)	2. Type of Training Facility (Text)	3. Total number of Facilities (Count)	4. Design Capacity (Persons) (Count)	5. Capacity (Student-Hours per year) (Count)
20	171121	Flying Trng Classroom	31	662	1292224
20	171121	Fit and Brf rooms	51	360	702720
20	171121	Computer Based Training rooms	3	79	154208
64	1712	Flight Room (T-37)	12	480	965960
64	1712	Flight Room (T-38/T-1)	8	360	702720
64	1717	Academic Classroom	4	160	312320
64	1717	Computer Lab	1	70	136640
64	1717	Computer Lab (T-1A only)	1	18	35136
67	1711	Flight Training Classroom	9	360	702720
67	1711	UPT Flight Training	20	600	1171200
67	1711	Academic Lecture Hall	1	416	812032
71	1711	Flight Training Classrooms	5	293	1041231
73	1711	Academic Ground Training	1	245	956480
73	1712	Flying Squadron Buildings	3	900	3074400
29	141753	Academic Classroom Bldg 709	5	130	254800
29	141753	T-38C CAI Lab Bldg 709	1	36	70560
29	141753	T-6A CAI Lab Bldg 709	1	56	109760
29	141753	T-6A Flight Room Bldg 792	6	108	357520
29	141753	T-38C Flight Room Bldg 704	2	90	254800
29	121314	Physiology Classroom Bldg 770	2	48	141120

20	171212	T-25 EWO Simulator	1	8	11712
20	171212	Nav Simulator (T-45)	6	4	7808
20	171212	T40 Cockpit Simulator	5	2	3904
20	171212	T36 (T-1) Flight Simulator	1	2	3904
20	171212	T30 (T-37) flight simulator	2	1	1952
20	171212	T-51 (T-38A) Flight Simulator	1	1	1952
20	171212	IFT (T-6) simulator	3	1	1952
20	171212	ASDT SIM-spatial D	1	1	1952
20	171212	UTD (T6) flight simulator	2	1	1952
20	171212	UTD (T38C) flight simulator	1	1	1952
20	171212	OFT (T38C) flight simulator	1	1	1952
20	171212	OFT (T6) flight simulator	3	1	1952
20	171212	T-1A Part Task Trainer	2	2	3904
20	171214	Alt chamber	1	16	31232
20	179219	Parachute trainer	8	8	15616
20	179219	T-43 Egress Trainer	1	20	39040
20	179219	T-6 Egress Trainer	1	1	1952
20	179219	T-37 Egress Trainer	1	1	1952
20	179219	T-38 Egress Trainer	1	1	1952

29	171211	T-6A OFT Sims Bldg 711	3	3	11760
29	171211	T-6A IFT Sims Bldg 711	3	3	11760
29	171211	T-6A UTD Sims Bldg 711	3	3	11760
29	171212	T-38C OFT Sims Bldg 590	4	4	15680
29	171214	Altitude Chamber Bldg 798	1	16	47040

1.103: Amplification: This question seeks to capture the flight-training program student population an installation's ground training facilities (i.e. classrooms (FAC 1711) and simulators (FAC 1721)) can support. E&T JCSG FT needs the number and type of facilities, total number of students those facilities are designed to accommodate (design capacity) and number of hours students in the flight-training program use those facilities (in use). E&T JCSG FT will determine the total annual capacity by multiplying the design capacity by an 8-hour day over a 244-day academic year.

Base	Classrooms (FAC 1711)				Simulator Stalls (FAC 1721)			
	Type	Number	Design Capacity	In use (annual in hrs)	Type	Number	Total Student Seats Available	In use (annual in hrs)
Randolph AFB	Academic Classroom/CAI Lab	34	741	232926	T-37	2	2	2519
	FTS Flight Room	51	360	239954	T-6 OFT	3	3	
					T-6 IFT	3	3	
					T-6 UTD	2	2	
							-	3195
					T-38C OFT	2	2	
					T-38C UTD	1	1	
								1987
					T-1	1	2	1720
					T-45 (NAV)	6	24	33518
					T-25 (EWO)	1	6	10392
					total	21	45	53331

Current Source: 1.103

Source Name: Data Call #1	Source Date: 19 Aug 04
Source Location: WIDGET data base	

Source Method: Academic Classrooms and CAI Labs were extracted from Data Call #1 installation answers. Questions about actual layout of facilities were resolved directly with installation FPOCs and or AETC Headquarters experts. Simulator data was re-validated via spreadsheet provided by AETC/DOZU - Current Simulators - 19 Aug 04 attached. Annual classroom/cai and simulator usage was calculated by multiplying single student requirement by annual throughput; flight room usage was determined by multiplying student daily requirement x training days x annual throughput.

Olson Roger Civ AETC/DORA

From: Chauret Keith N Civ AETC/DOZU
Sent: Wednesday, August 11, 2004 11:42 AM
To: Olson Roger Civ AETC/DORA
Subject: Sim Totals

Roger,

Here it is:

SIM Totals for DORA.xls

Keith

KEITH N. CHAURET, GS-11
T-37/T-38 ATD CLS Program Manager
HQ AETC/DOZU
DSN 487-2216

Current Simulators - 19 Aug 02

Location	T51	T50	T94	T95	T111	T112	T114		
	T-38A IFS	T–37B IFS	T-38A IFT	T-37B IFT	T-38C UTD	T-38C OFT	T-38C WST	T-38A CFT	T-37A CFT
Randolph		2			1	2		1	
Laughlin	2	2			3	1		4	5
Vance		8			3	3		4	5
Columbus		8			3	3		4+(2)	5
Sheppard			6	6					
Moody						1	2		
St Louis							1		
Totals	**2**	**20**	**6**	**6**	**10**	**10**	**3**	**15**	**15**

Location	S2F188	S2B48	S2C75	T96	T113	T25	T45
	T-6 OFT	T-6 IFT	T-6 UTD	T-1A IFT	T-1A IPT	SECT	UNTS
Randolph	3	3	2	1	2	6	6
Laughlin	5	5	4	3	4		
Vance				2	4		
Columbus				3	4		
Sheppard							
Moody	3	3	3				
St Louis							
Totals	**11**	**11**	**9**	**9**	**14**	**6**	**6**

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Draft Deliberative Document-For Discussion Only-Do Not Release Under FOIA - 19 Aug 04

Mystery courses
Lines not captured in FY throughput st
Lines miscategorized in FY throughpt
Data questions w/ respect to classroor

CLASSROOM / SIMULATOR USAGE

Phases of AETC-sponsored Flight Training Prog	Classrooms	Simulator	Flight Roor
Primary (T-37)	238.5	27.3	765.0
Primary (T-6)	238.5	57.4	765.0
Primary (Aviation Leadership Program)	247.5	48.1	1275.0
Primary (ENJJPT)	202.1	29.0	972.0
Fighter/Bomber	176.8	36.9	1020.0
Fighter/Bomber (ENJJPT)	149.2	31.7	972.0
Airlift/Tanker	151.4	43.2	1080.0
Introduction to Fighter Fundamentals	143.4	16.9	46.6
Introduction to Fighter Fundamentals (ENJJPT)	57.4	3.9	46.6
Helicopter	152.0	25.5	741.0
Primary Navigation	449.0	107.0	52.5
Airmanship	13.0	3.0	32.0
Electronic Warfare Officer	568.5	152.0	52.5
	21.5	7.8	17.5

CLASSROOM / SIMULATOR U	Classrooms	Simulator	Flight Room
Other AETC Instructor Program	Classroom/I	Simulator	
ENJJPT T-37 Instructor Pilot Tr	69	22.4	576
ENJJPT T-38 Instructor Pilot Tr	67	23.5	576
ENJJPT IFF Instructor Pilot Trai	65.2	3.3	88.2
Moody IFF Instructor Pilot Train	84	16.9	88.2
Rucker Helicopter Pilot Instructc	56.5	6	184

Rucker Helo FY04		classroom	Flight Roor	sim
students	57.0	8864	42237	1453.5
IPs	8.0	452	1472	- 48
		9116	43709	1501.5

Moody IFF/T-6				
Primary T-6	201	47938.5	153765	11537.4
IFF B Course	313	44884.2	14585.8	5289.7
IFF Instructor	42	3528	3704.4	709.8
PAF	9	1290.6	419.4	152.1
T-38A to C Conversion	107	2300.5	1869.825	834.6
		99941.8	174344.4	18523.6

This is an interactive spreadsheet which requires selection of desired courses/locations to calculate appropriate data - Vance AFB is currently displayed

Primary Training Category (use numbers at left)	Secondary Training Category (if applicable)(use numbers at left)	Base	1. Name of Training Syllabus (Text)	2. Service/Source (Text)	3. Planned throughput FY04 (graduates) (Pers)	Attrition Factor	Annual student load (rounded up)	Academic hours per student	Annual classroom load	Sim hours per student	Annual sim load	Total Flight Room Hrs/Student	Annual Flight Room Hours
7		Vance	FV5AQ	USAF	1	0.0%	1	151.4	151.4	43.2	43.2	1080	1080
7		Vance	FV5AQ	ANG	10	0.0%	10	151.4	1514	43.2	432	1080	10800
7		Vance	FV5AQ	AFRES	7	0.0%	7	151.4	1059.8	43.2	302.4	1080	7560
1		Vance	P-V4AA1/2	AFRES	25	10.9%	28	238.5	6678	27.3	764.4	765	21420
1		Vance	P-V4AA1/2	ANG	45	10.9%	50	238.5	11925	27.3	1365	765	38250
1		Vance	P-V4AA1/2	Intl	7	10.9%	8	238.5	1908	27.3	218.4	765	6120
1		Vance	P-V4AA1/2	USAF	217	10.9%	241	238.5	57478.5	27.3	6579.3	765	184365
1		Vance	P-V4AA1/2	USN/USMC	71	10.9%	79	238.5	18841.5	27.3	2156.7	765	60435
5		Vance	P-V4AA3	AFRES	2	2.5%	3	176.8	530.4	36.9	110.7	972	2916
5		Vance	P-V4AA3	ANG	10	2.5%	11	176.8	1944.8	36.9	405.9	972	10692
5		Vance	P-V4AA3	Intl	6	2.5%	7	176.8	1237.6	36.9	258.3	972	6804
5		Vance	P-V4AA3	USAF	85	2.5%	88	176.8	15558.4	36.9	3247.2	972	85536
7		Vance	P-V4AG	AFRES	17	2.0%	18	151.4	2725.2	43.2	777.6	972	17496
7		Vance	P-V4AG	ANG	25	2.0%	26	151.4	3936.4	43.2	1123.2	972	25272
7		Vance	P-V4AG	USAF	145	2.0%	148	151.4	22407.2	43.2	6393.6	972	143856
7		Vance	P-V4AG	USN	23	2.0%	24	151.4	3633.6	43.2	1036.8	972	23328
2		Vance	PV4AJ	USAF	0	10.9%	0	238.5	0	57.4	0		0
2		Vance	PV4AJ	ANG	0	10.9%	0	238.5	0	57.4	0		0
2		Vance	PV4AJ	AFRES	0	10.9%	0	238.5	0	57.4	0		0
2		Vance	PV4AJ	Intl	0	10.9%	0	238.5	0	57.4	0		0
2		Vance	PV4AJ	USN	0	10.9%	0	238.5	0	57.4	0		0
					696	7.6%	749		151529.8		25214.7		645930

Non-WIDGET Certification Sheet

Functional Point of Contact Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6.13 TA19 SEP2004 Office Symbol: _____

Signature: KB DIAMOND LtCol KB Date: _____

C4873394 AETC/XPPB

Printed Name, Phone, Title: _____

Answer Provider Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 616694 Office Symbol: DO1

Signature: [signature] Date: 19 AUG 04

Printed Name, Phone, Title: Olson, Roger T. 487-2585 DO FAOC

DC#1 - 14.117-118

DC#1A - # 4344

4345

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

Original Question DoD Q117. Give the programmed yearly student pilot throughput requirements by installation for FY04-09. Include all sources of students such as FMS, Treasury, Coast Guard, DEA, etc.

Original Question DoD Q118. Give the programmed yearly student Navigator/NFO throughput requirements by installation for FY04-09. Include all sources of students such as FMS, Treasury, Coast Guard, DEA, etc.

Amplification: These questions seek to obtain the planned throughput requirement for pilot and navigator training over the next 5 years (in terms of the number of graduates each service requires annually) for each flight training program. To capture the total requirement, break the throughput by Service component category (i.e., USN, USAF, USA, USMC, USCG, FMS, DOE, etc.).

AETC-sponsored Flt Training Program	Fiscal Year 2004								
	Service Component								
	USAF	USN	USA	USMC	USCG	FMS	DOE	ANG	AFRC
Primary (T-37)	671	71	0	0	0	26	0	136	76
Primary (T-6)	62	0	0	0	0	0	0	14	8
Primary (Aviation Leadership Program)	0	0	0	0	0	20	0	0	0
Primary (ENJJPT)	122	0	0	0	0	75	0	14	0
Fighter/Bomber	285	0	0	0	0	26	0	34	7
Fighter/Bomber (ENJJPT)	118	0	0	0	0	89	0	14	0
Airlift/Tanker	508	23	0	0	0	0	0	91	63
IFF	245	0	0	0	0	19	0	39	10
IFF (ENJJPT)	82	0	0	0	0	48	0	16	0
Helicopter	50	0	0	0	0	0	0	4	3
Primary Navigation	294	137	0	0	0	1	0	17	13
Airmanship	201	0	0	0	0	1	0	16	12
Electronic Warfare Officer	77	0	0	0	0	0	0	0	0

AETC-sponsored Flt Training Program	Fiscal Year 2005								
	Service Component								
	USAF	USN	USA	USMC	USCG	FMS	DOE	ANG	AFRC
Primary (T-37)	509	71	0	0	0	23	0	101	60
Primary (T-6)	192	0	0	0	0	4	0	42	25
Primary (Aviation Leadership Program)	0	0	0	0	0	20	0	0	0
Primary (ENJJPT)	102	0	0	0	0	78	0	14	0
Fighter/Bomber	247	0	0	0	0	26	0	36	7
Fighter/Bomber (ENJJPT)	99	0	0	0	0	89	0	14	0
Airlift/Tanker	479	24	0	0	0	0	0	84	63
IFF	249	0	0	0	0	19	0	35	10
IFF (ENJJPT)	84	0	0	0	0	44	0	14	0
Helicopter	53	0	0	0	0	0	0	4	3
Primary Navigation	294	137	0	0	0	1	0	17	13
Airmanship	202	0	0	0	0	1	0	16	12
Electronic Warfare Officer	76	0	0	0	0	0	0	0	0

AETC-sponsored Flt Training Program	Fiscal Year 2006								
	Service Component								
	USAF	USN	USA	USMC	USCG	FMS	DOE	ANG	AFRC
Primary (T-37)	398	61	0	0	0	18	0	89	50
Primary (T-6)	285	10	0	0	0	10	0	63	35
Primary (Aviation Leadership Program)	0	0	0	0	0	20	0	0	0
Primary (ENJJPT)	102	0	0	0	0	54	0	14	0
Fighter/Bomber	258	0	0	0	0	35	0	35	7
Fighter/Bomber (ENJJPT)	99	0	0	0	0	72	0	14	0
Airlift/Tanker	476	24	0	0	0	0	0	93	63
IFF	217	0	0	0	0	19	0	35	10
IFF (ENJJPT)	85	0	0	0	0	44	0	14	0
Helicopter	53	0	0	0	0	0	0	4	3
Primary Navigation	294	137	0	0	0	1	0	17	13
Airmanship	201	0	0	0	0	1	0	16	12
Electronic Warfare Officer	75	0	0	0	0	0	0	0	0

AETC-sponsored Flt Training Program	Fiscal Year 2007								
	Service Component								
	USAF	USN	USA	USMC	USCG	FMS	DOE	ANG	AFRC
Primary (T-37)	274	18	0	0	0	14	0	59	34
Primary (T-6)	408	53	0	0	0	14	0	93	51
Primary (Aviation Leadership Program)	0	0	0	0	0	20	0	0	0
Primary (ENJJPT)	102	0	0	0	0	49	0	14	0
Fighter/Bomber	259	0	0	0	0	35	0	35	7
Fighter/Bomber (ENJJPT)	99	0	0	0	0	64	0	14	0
Airlift/Tanker	469	24	0	0	0	0	0	93	63
IFF	218	0	0	0	0	19	0	35	10
IFF (ENJJPT)	84	0	0	0	0	34	0	14	0
Helicopter	58	0	0	0	0	0	0	4	3
Primary Navigation	292	137	0	0	0	1	0	17	13
Airmanship	201	0	0	0	0	1	0	16	12
Electronic Warfare Officer	75	0	0	0	0	0	0	0	0

AETC-sponsored Flt Training Program	Fiscal Year 2008								
	Service Component								
	USAF	USN	USA	USMC	USCG	FMS	DOE	ANG	AFRC
Primary (T-37)	155	0	0	0	0	6	0	36	18
Primary (T-6)	528	71	0	0	0	21	0	118	65
Primary (Aviation Leadership Program)	0	0	0	0	0	20	0	0	0
Primary (ENJJPT)	102	0	0	0	0	50	0	14	0
Fighter/Bomber	260	0	0	0	0	26	0	35	7
Fighter/Bomber (ENJJPT)	99	0	0	0	0	65	0	14	0
Airlift/Tanker	470	24	0	0	0	0	0	94	64
IFF	218	0	0	0	0	19	0	35	10
IFF (ENJJPT)	84	0	0	0	0	34	0	14	0
Helicopter	58	0	0	0	0	0	0	4	3
Primary Navigation	292	137	0	0	0	1	0	17	13
Airmanship	201	0	0	0	0	1	0	16	12
Electronic Warfare Officer	75	0	0	0	0	0	0	0	0

AETC-sponsored Flt Training Program	Fiscal Year 2009								
	Service Component								
	USAF	USN	USA	USMC	USCG	FMS	DOE	ANG	AFRC
Primary (T-37)	8	0	0	0	0	2	0	1	1
Primary (T-6)	675	71	0	0	0	25	0	153	83
Primary (Aviation Leadership Program)	0	0	0	0	0	20	0	0	0
Primary (ENJJPT)	102	0	0	0	0	50	0	14	0
Fighter/Bomber	260	0	0	0	0	26	0	35	7
Fighter/Bomber (ENJJPT)	99	0	0	0	0	69	0	14	0
Airlift/Tanker	470	24	0	0	0	0	0	94	64
IFF	217	0	0	0	0	19	0	35	10
IFF (ENJJPT)	85	0	0	0	0	35	0	14	0
Helicopter	58	0	0	0	0	0	0	4	3
Primary Navigation	292	137	0	0	0	1	0	17	13
Airmanship	201	0	0	0	0	1	0	16	12
Electronic Warfare Officer	75	0	0	0	0	0	0	0	0

Current Source: 14.117-118

Source Name: Data Call #1

Source Date: 19 Aug 04

Source Location: WIDGET data base

Source Method: AETC Headquarters subject matter expert (AETC/DOR) extracted data from DC#1 and combined installation answers to calculate data per guidance in the E&T JCSG sub-group adjudication.

14.117-118: Amplification: These questions seek to obtain the planned throughput requirement for pilot and navigator training over the next 5 years (in terms of the number of graduates each service requires annually) for each flight training program. To capture the total requirement, break the throughput by Service component category (i.e., USN, USAF, USA, USMC, USCG, FMS, DOE, etc.).

Randolph AFB Instructor Programs	Fiscal Year 2004								
	Service Component								
	USAF	USN	USA	USMC	USCG	FMS	DOE	ANG	AFRC
T-37 Pilot Instructor Training	98	0	0	0	0	2	0	0	3
T-37 Pilot Instructor Requalification	5	0	0	0	0	0	0	0	5
T-6 Pilot Instructor Training	100	0	0	0	0	0	0	0	4
T-6 Instructor Pilot Transition	75	0	0	0	0	0	0	0	16
T-6 Pilot Instructor Requalification	0	0	0	0	0	0	0	0	0
T-38C Pilot Instructor Training	62	0	0	0	0	8		0	12
T-38C Pilot Instructor Requalification	6	0	0	0	0	0	0	0	4
T-1 Pilot Instructor Training	103	0	0	0	0	0	0	0	6
T-1 Pilot Instructor Requalification	8	0	0	0	0	0	0	0	2
T-43 Pilot Training (Nav Training Platform)	6	4	0	0	0	0	0	0	0
Navigator/NFO Instructor Training	29	22	0	0	0	0	0	0	0
EWO Instructor	16	0	0	0	0	0	0	0	0

Randolph AFB Instructor	Fiscal Year 2005								
	Service Component								
	USAF	USN	USA	USMC	USCG	FMS	DOE	ANG	AFRC
T-37 Pilot Instructor Training	56	0	0	0	0	2	0	0	3
T-37 Pilot Instructor Requalification	5	0	0	0	0	0	0	0	5
T-6 Pilot Instructor Training	150	0	0	0	0	0	0	0	8
T-6 Instructor Pilot Transition	82	0	0	0	0	0	0	0	16
T-6 Pilot Instructor Requalification	0	0	0	0	0	0	0	0	0
T-38C Pilot Instructor Training	62	0	0	0	0	8	0	0	12
T-38C Pilot Instructor Requalification	6	0	0	0	0	0	0	0	4
T-1 Pilot Instructor Training	86	0	0	0	0	0	0	0	6
T-1 Pilot Instructor Requalification	8	0	0	0	0	0	0	0	2
T-43 Pilot Training (Nav Training Platform)	6	4	0	0	0	0	0	0	0
Navigator/NFO Instructor Training	29	22	0	0	0	0	0	0	0
EWO Instructor	16	0	0	0	0	0	0	0	0

Randolph AFB Instructor	Fiscal Year 2006								
	Service Component								
	USAF	USN	USA	USMC	USCG	FMS	DOE	ANG	AFRC
T-37 Pilot Instructor Training	36	0	0	0	0	0	0	0	0
T-37 Pilot Instructor Requalification	5	0	0	0	0	0	0	0	5
T-6 Pilot Instructor Training	207	0	0	0	0	0	0	0	8
T-6 Instructor Pilot Transition	96	0	0	0	0	0	0	0	16
T-6 Pilot Instructor Requalification	10	0	0	0	0	0	0	0	0
T-38C Pilot Instructor Training	71	0	0	0	0	8	0	0	12
T-38C Pilot Instructor Requalification	6	0	0	0	0	0	0	0	4
T-1 Pilot Instructor Training	86	0	0	0	0	0	0	0	6
T-1 Pilot Instructor Requalification	8	0	0	0	0	0	0	0	2
T-43 Pilot Training (Nav Training Platform)	6	4	0	0	0	0	0	0	0
Navigator/NFO Instructor Training	29	22	0	0	0	0	0	0	0
EWO Instructor	16	0	0	0	0	0	0	0	0

Randolph AFB Instructor	Fiscal Year 2007								
	Service Component								
	USAF	USN	USA	USMC	USCG	FMS	DOE	ANG	AFRC
T-37 Pilot Instructor Training	0	0	0	0	0	0	0	0	0
T-37 Pilot Instructor Requalification	0	0	0	0	0	0	0	0	0
T-6 Pilot Instructor Training	209	0	0	0	0	0	0	0	8
T-6 Instructor Pilot Transition	81	0	0	0	0	0	0	0	16
T-6 Pilot Instructor Requalification	7	0	0	0	0	0	0	0	3
T-38C Pilot Instructor Training	71	0	0	0	0	8	0	0	12
T-38C Pilot Instructor Requalification	6	0	0	0	0	0	0	0	4
T-1 Pilot Instructor Training	86	0	0	0	0	0	0	0	6
T-1 Pilot Instructor Requalification	8	0	0	0	0	0	0	0	2
T-43 Pilot Training (Nav Training Platform)	6	4	0	0	0	0	0	0	0
Navigator/NFO Instructor Training	29	22	0	0	0	0	0	0	0
EWO Instructor	16	0	0	0	0	0	0	0	0

Randolph AFB Instructor	Fiscal Year 2008								
	Service Component								
	USAF	USN	USA	USMC	USCG	FMS	DOE	ANG	AFRC
T-37 Pilot Instructor Training	0	0	0	0	0	0	0	0	0
T-37 Pilot Instructor Requalification	0	0	0	0	0	0	0	0	0
T-6 Pilot Instructor Training	186	0	0	0	0	0	0	0	8
T-6 Instructor Pilot Transition	86	0	0	0	0	0	0	0	16
T-6 Pilot Instructor Requalification	7	0	0	0	0	0	0	0	3
T-38C Pilot Instructor Training	71	0	0	0	0	8	0	0	12
T-38C Pilot Instructor Requalification	6	0	0	0	0	0	0	0	4
T-1 Pilot Instructor Training	86	0	0	0	0	0	0	0	6
T-1 Pilot Instructor Requalification	8	0	0	0	0	0	0	0	2
T-43 Pilot Training (Nav Training Platform)	6	4	0	0	0	0	0	0	0
Navigator/NFO Instructor Training	29	22	0	0	0	0	0	0	0
EWO Instructor	16	0	0	0	0	0	0	0	0

Randolph AFB Instructor	Fiscal Year 2009								
	Service Component								
	USAF	USN	USA	USMC	USCG	FMS	DOE	ANG	AFRC
T-37 Pilot Instructor Training	0	0	0	0	0	0	0	0	0
T-37 Pilot Instructor Requalification	0	0	0	0	0	0	0	0	0
T-6 Pilot Instructor Training	181	0	0	0	0	0	0	0	8
T-6 Instructor Pilot Transition	86	0	0	0	0	0	0	0	16
T-6 Pilot Instructor Requalification	7	0	0	0	0	0	0	0	3
T-38C Pilot Instructor Training	71	0	0	0	0	8	0	0	12
T-38C Pilot Instructor Requalification	6	0	0	0	0	0	0	0	4
T-1 Pilot Instructor Training	86	0	0	0	0	0	0	0	6
T-1 Pilot Instructor Requalification	8	0	0	0	0	0	0	0	2
T-43 Pilot Training (Nav Training Platform)	6	4	0	0	0	0	0	0	0
Navigator/NFO Instructor Training	29	22	0	0	0	0	0	0	0
EWO Instructor	16	0	0	0	0	0	0	0	0

14.117-118: Amplification: These questions seek to obtain the planned throughput requirement for pilot and navigator training over the next 5 years (in terms of the number of graduates each service requires annually) for each flight training program. T

Fiscal Year 2004

Other Instructor Training Programs	Service Component								
	USAF	USN	USA	USMC	USCG	NATO	DOE	ANG	AFRC
ENJJPT T-37 Instructor Pilot Training	11	0	0	0	0	23	0	0	0
ENJJPT T-38 Instructor Pilot Training	15	0	0	0	0	18	0	0	0
ENJJPT IFF Instructor Pilot Training	7	0	0	0	0	3	0	0	0
Moody IFF Instructor Pilot Training	37	0	0	0	0	0	0	0	5
Rucker Helicopter Pilot Instructor Training	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0

Fiscal Year 2005

Other Instructor Training Programs	Service Component								
	USAF	USN	USA	USMC	USCG	NATO	DOE	ANG	AFRC
ENJJPT T-37 Instructor Pilot Training	27	0	0	0	0	15	0	0	0
ENJJPT T-38 Instructor Pilot Training	15	0	0	0	0	16	0	0	0
ENJJPT IFF Instructor Pilot Training	4	0	0	0	0	3	0	0	0
Moody IFF Instructor Pilot Training	36	0	0	0	0	0	0	0	10
Rucker Helicopter Pilot Instructor Training	8	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0

Fiscal Year 2006

Other Instructor Training Programs	Service Component								
	USAF	USN	USA	USMC	USCG	NATO	DOE	ANG	AFRC
ENJJPT T-37 Instructor Pilot Training	13	0	0	0	0	18	0	0	0
ENJJPT T-38 Instructor Pilot Training	29	0	0	0	0	21	0	0	0
ENJJPT IFF Instructor Pilot Training	6	0	0	0	0	4	0	0	0
Moody IFF Instructor Pilot Training	34	0	0	0	0	0	0	0	10
Rucker Helicopter Pilot Instructor Training	8	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0

Other Instructor Training Programs	Fiscal Year 2007								
	Service Component								
	USAF	USN	USA	USMC	USCG	NATO	DOE	ANG	AFRC
ENJJPT T-37 Instructor Pilot Training	15	0	0	0	0	17	0	0	0
ENJJPT T-38 Instructor Pilot Training	19	0	0	0	0	17	0	0	0
ENJJPT IFF Instructor Pilot Training	5	0	0	0	0	4	0	0	0
Moody IFF Instructor Pilot Training	35	0	0	0	0	0	0	0	10
Rucker Helicopter Pilot Instructor Training	8	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0

Other Instructor Training Programs	Fiscal Year 2008								
	Service Component								
	USAF	USN	USA	USMC	USCG	NATO	DOE	ANG	AFRC
ENJJPT T-37 Instructor Pilot Training	15	0	0	0	0	9	0	0	0
ENJJPT T-38 Instructor Pilot Training	9	0	0	0	0	17	0	0	0
ENJJPT IFF Instructor Pilot Training	5	0	0	0	0	1	0	0	0
Moody IFF Instructor Pilot Training	35	0	0	0	0	0	0	0	10
Rucker Helicopter Pilot Instructor Training	8	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0

Other Instructor Training Programs	Fiscal Year 2009								
	Service Component								
	USAF	USN	USA	USMC	USCG	NATO	DOE	ANG	AFRC
ENJJPT T-37 Instructor Pilot Training	15	0	0	0	0	9	0	0	0
ENJJPT T-38 Instructor Pilot Training	29	0	0	0	0	21	0	0	0
ENJJPT IFF Instructor Pilot Training	6	0	0	0	0	1	0	0	0
Moody IFF Instructor Pilot Training	34	0	0	0	0	0	0	0	10
Rucker Helicopter Pilot Instructor Training	8	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0

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14.124 : Airspace requirements: For each syllabus/stage of Pilot flight training, 1) give the number of sorties required by the syllabus, the percentage of overhead sorties, and the number of students that train during each sortie; 2) give the type of airspace required, the size (vertical and area dimensions) of the airspace block in which training is conducted and the time spent per sortie in this block of airspace

ENJJPT T-37 Pilot Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	23
Formation	15
Instrument	19
Navigation	6

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%18)
Contact	4.1
Formation	2.7
Instrument	3.4
Navigation	1.1

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time
Contact		200	6000	0.6
Formation		200	6000	0.6
Instrument		200	1500	0.6
Navigation		172	1500	0.6

ENJJPT T-38 Pilot Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	24
Instruments	13
Transition	5
Formation	23
Navigation	6

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%15.3)
Contact	3.7
Instruments	2
Transition	0.8
Formation	3.5
Navigation	0.9

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time
Contact		400	12000	0.55
Instruments		400	2000	0.55
Transition		400	12000	0.55
Formation		400	12000	0.55
Navigation		215	2000	0.55

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Formation	4
Advanced	1
Offensive BFM	4
Defensive BFM	4
High Aspect	5
Surface Attack	6
Low Altitude	2

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%17.8)
Formation	0.7
Advanced	0.2
Offensive BFM	0.7
Defensive BFM	0.7
High Aspect	0.9
Surface Attack	1.1
Low Altitude	0.4

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace		
	SQ NM	Vertical(Fee	Average time
Formation	625	15,000	0.5
Advanced	625	15,000	0.5
Offensive BFM	625	15,000	0.5
Defensive BFM	625	15,000	0.5
High Aspect	625	15,000	0.5
Surface Attack	90	15,000	0.5
Low Altitude	205	4000	0.5

Moody IFF Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Formation	4
Advanced	1
Offensive BFM	4
Defensive BFM	4
High Aspect	5
Surface Attack	6
Low Altitude	2

OVERHEAD MISSION/SORTIE REQUIREMENTS

#Sorties by Mission Area (%17.8)
0.7
0.2
0.7
0.7
0.9
1.1
0.4

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace		
	SQ NM	Vertical(Fee	Average time
Formation	880	18,000	0.5
Advanced	880	18,000	0.5
Offensive BFM	880	18,000	0.5
Defensive BFM	880	18,000	0.5
High Aspect	880	18,000	0.5
Surface Attack	60	15,000	0.5
Low Altitude	205	4000	0.5

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	15
Instrument	5
Remote	9
Low-Level	10

	#Sorties by Mission Area
Contact	1.5
Instrument	0.5
Remote	0.9
Low-Level	1

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
	SQ NM		Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Contact	32300	MAA	10000	1.5
Instrument	32300	MAA	10000	1.7
Remote	32300	MAA	10000	1.5
Low-Level	32300	MAA	10000	1.5

Non-WIDGET Certification Sheet

Functional Point of Contact Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6.13 TA1 4 SEP2004 Office Symbol: _____

Signature: KB DIAMOND LtCol KB Date: _____

Printed Name, Phone, Title: C4873394 AETC/XPPB

Answer Provider Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 0.16694 Office Symbol: DO1

Signature: Roger T Olson Date: 09 Aug 04

Printed Name, Phone, Title: OLSON, ROGER T. 487-2585 DO FPOC

DC#1 14.124

DC# 1A - #4346

14.124 Amplification: These questions seek to define the types of missions and airspace required for each phase of AETC-sponsored flight-training programs. E&T JCSG FT Sub-group created tables to help USAF BRAC capture answers to this important and very complex question.

Table 1 seeks to collect the types of missions and average number of sorties it takes (in each mission area) to get a single student through various phases of flight training

Table 1, MISSION/SORTIE REQUIREMENTS Phases of AETC-sponsored UFT Programs

Table Reproduced Below

Table 2 seeks to discover the percentage of overhead sorties for each phase (overhead sorties = events conducted for instructor training, maintenance flights, students who attrite, additional flights needed to reach required proficiency level, etc.).

Table 2, OVERHEAD MISSION/SORTIE REQUIREMENTS Phases of AETC-sponsored UFT Programs

Table Reproduced Below

Amplification Continued. E&Y JCSG FT Subgroup needs to collect the type of airspace flying events require (e.g., MOA, Warning Area, MTR, etc.) as well as the size of the block of airspace required for that flying event. (This applies to phases that require a dedicated block of Special Use Airspace (MOA, WA, Alert Area, ATCAA) in Table 2 above).

Table 3, AIRSPACE REQUIREMENTS Phases of AETC-sponsored UFT Programs

Table Reproduced Below

14.124 : Airspace requirements: For each syllabus/stage of Pilot flight training, 1) give the number of sorties required by the syllabus, the percentage of overhead sorties, and the number of students that train during each sortie; 2) give the type of airspace required, the size (vertical and area dimensions) of the airspace block in which training is conducted, and the time spent per sortie in this block of airspace

Base			1. Name of Training Syllabus (Text)	2. Syllabus stage (Text)	3. Sorties required by syllabus (Count)	4. Overhead sorties (%) (Count)	5. Students per sortie (Count)	6. Type of airspace required (Text)	7. Area Size (sq nm) (Text NM)	8. Vertical dimension (1,000 ft.) (1,000 ft)	9. Time in Block/Sortie (hrs) (Hr
PRIMARY T-37											
Columbus T-37											
SUP	64	P-V4A-A	T-37 Basic Contact		16	21	1	MOA	100	5	0.5
SUP	64	P-V4A-A	T-37 Contact		20	21	1	MOA	200	5	0.5
SUP	64	P-V4A-A	T-37 Basic Instrument		1	21	1	MOA	200	1.5	0.5
SUP	64	P-V4A-A	T-37 Instrument		7	21	1	N/A	N/A	N/A	N/A
SUP	64	P-V4A-A	T-37 Navigation		7	21	1	N/A	N/A	N/A	N/A
SUP	64	P-V4A-A	T-37 Formation		16	21	1	MOA	200	5	0.7
SUP	64	P-V4A-A	T-37 Low Level		1	21	1	ILTR	1400	1.5	0.7
Laughlin T-37											
NAS	67	T-37 Joint Specialized Undergrad	Contact		36	30	1	MOA	200	6	0.5
NAS	67	T-37 Joint Specialized Undergrad	Basic Instruments		1	30	1	MOA	200	1.5	0.4
NAS	67	T-37 Joint Specialized Undergrad	Navigation		6	30	1	None	N/A	N/A	N/A
NAS	67	T-37 Joint Specialized Undergrad	Low-Level		2	30	1	MTR	N/A	N/A	0.5
NAS	67	T-37 Joint Specialized Undergrad	Formation		16	30	1	MOA	200	3	0.8
NAS	67	T-37 Joint Specialized Undergrad	T-37 Instrument		7	30	N/A	N/A	N/A	N/A	N/A
Vance T-37											
NAS	73	P-V4A-A	T-37 Basic Instruments		1	21	1	MOA	200	1.5	0.5
NAS	73	P-V4A-A	T-37 Instrument		7	21	1	N/A	N/A	N/A	N/A
NAS	73	T-37	Formation,Contact		84	21.2	1	MOA	100	5	0.6
NAS	73	T-37	Low Level		1	21.2	1	SR, IR or VR	N/A	1.5	0.7

AETC HEADQUARTERS - PRIMARY T-37

Primary (T-37)	#Sorties by Mission Area	Instructor Overhead Included #Sorties by Mission Area*		
Contact	36	38.4	0.1	24
Formation	16	17.3	0.1	13
Instrument	8	1.8	0.1	8
Navigation	6	1	0.1	
Low-Level	2	1.4	0.1	4

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (24%)	#Sorties by Mission Area		
Contact	8.6	9.1	0.1	5.2
Formation	3.8	4.1	0.1	2.8
Instrument	1.9	2.1	0.1	1.7
Navigation	1.4	1.4	0.1	
Low-Level	0.5	0.6	0.1	0.9

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Contact		200	5000	0.5
Formation		200	5000	0.7
Instrument		200	1500	0.5
Navigation		N/A	N/A	1.4
Low-Level		1500	1500	0.7

PRIMARY (AVIATION LEADERSHIP PROGRAM)

Laughlin T-37 Aviation Leadership Program (ALP)											
SUP	64	P-V4A-E	T-37 ALP Basic Cont		23	21	1	MOA	100	6	0.5
SUP	64	P-V4A-E	T-37 ALP Contact		57	21	1	MOA	200	5	0.5
SUP	64	P-V4A-E	T-37 ALP Basic Inst		3	21	1	MOA	200	1.5	0.7
SUP	64	P-V4A-E	T-37 Instrument		17	21	1	N/A	N/A	N/A	N/A
SUP	64	P-V4A-E	T-37 ALP Navigation		15	21	1	N/A	N/A	N/A	N/A
SUP	64	P-V4A-E	T-37 ALP Formation		23	21	1	MOA	200	6	0.7
SUP	64	P-V4A-E	T-37 ALP Low Level		6	21	1	ILTR	1400	1.5	0.7

AETC HEADQUARTERS - PRIMARY (AVIATION LEADERSHIP PROGRAM)
MISSION/SORTIE REQUIREMENTS

Primary (Aviation Leadership P	#Sorties by Mission Area	Instructor Overhead Included #Sorties by Mission Area
Contact	60	64.3
Formation	23	25.3
Instrument	20	21.4
Navigation	15	16.0
Low-Level	9	9.7

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (21%)	#Sorties by Mission Area		
Contact	12.6	13.5	0.18	5.2
Formation	4.8	5.3	0.18	2.8
Instrument	4.2	4.5	0.18	1.7
Navigation	3.2	3.2	0.18	
Low-Level	1.9	1.9	0.18	0.9

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Contact		200	5000	0.5
Formation		200	5000	0.7
Instrument		200	1500	0.7
Navigation		N/A	N/A	1.4
Low-Level		1500	1500	0.7

FIGHTER/BOMBER

Columbus T-38	USAF	84	P-V4A-A	T-38C Contact	22	20.8	1	MOA	1	10	0.3
	USAF	84	P-V4A-A	T-38C Instrument	34	20.3	1	Airways	N/A	N/A	N/A
	USAF	84	P-V4A-A	T-38C Basic Instruments	1	20.3	1	MOA	200	3	0.3
	USAF	84	P-V4A-A	T-38C Low Level	7	20.4	1	LLTR	2400	1.3	0.7
	USAF	84	P-V4A-A	T-38C Formation	33	20.8	1	MOA	400	10	0.7
Laughlin T-38	USAF	87	T-38A Specialized Undergraduate	Contact	20	10	1	MOA	200	12	0.3
	USAF	87	T-38A Specialized Undergraduate	Instrument	12	10	1	MOA	800	4	0.4
	USAF	87	T-38A Specialized Undergraduate	Formation	34	10	1	MOA	800	4	0.7
	USAF	87	T-38A Specialized Undergraduate	Navigation	13	10	1	None	N/A	N/A	N/A
	USAF	87	T-38A Specialized Undergraduate	Low-Level	2	10	1	MTR	N/A	N/A	0.3
Randolph T-38	USAF	79	T-38	Low Level	6	18.1	1	VR or IR	N/A	3	0.6
	USAF	79	T-38	Contact, Formation, Contact	30	18.1	1	MOA	200	12	0.6

NETC HEADQUARTERS - PRIMARY T-38

MISSION/SORTIE REQUIREMENTS

Fighter/Bomber	#Sorties by Mission Area	Instructor Overhead Included #Sorties by Mission Area		
Contact	22	26.6	0.21	26
Formation	34	44.3	0.21	25
Instrument	12	13.7	0.21	8
Navigation	13	14.7	0.21	8
Low-Level	7	9.1	0.21	10

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%16)	#Sorties by Mission Area		
Contact	4.1	4.9	0.21	3.3
Formation	6.3	7.2	0.21	4.1
Instrument	1.9	2.2	0.21	1.3
Navigation	2.1	2.4	0.21	1.3
Low-Level	1.1	1.4	0.21	1.8

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Contact		200	12000	0.3
Formation		400	12000	0.7
Instrument		400	4000	0.3
Navigation		N/A	N/A	1.3
Low-Level		2400	1500	0.8

AIR FT TANKER

Columbus T-1	USAF	84	P-V4A-A	T-1 Transition/Basic Co-pilot	18	15.8	1	MOA	200	4	0.3
	USAF	84	P-V4A-A	T-1 Navigation/Co-pilot	18	15.8	1	Airways	N/A	N/A	N/A
	USAF	84	P-V4A-A	T-1 NAV Low Level	7	15.8	1	LLTR	1600	1.3	0.7
	USAF	84	P-V4A-A	T-1 Formation	4	15.8	1	MOA	400	4	0.8
	USAF	84	P-V4A-A	T-1 Air Refuel	2	15.8	1	ARI Track	1500	3	1
	USAF	84	P-V4A-A	T-1 Airdrop	4	15.8	1	LLTR	2400	1.3	1
Laughlin T-1	USAF	87	T-1 Joint Specialized Undergradu	Transition	10	10	2	MOA	200	3	0.3
	USAF	87	T-1 Joint Specialized Undergradu	Copilot	8	10	2	MOA	200	3	0.4
	USAF	87	T-1 Joint Specialized Undergradu	Navigation	18	10	2	None	N/A	N/A	N/A
	USAF	87	T-1 Joint Specialized Undergradu	Low Level	7	10	2	MTR	N/A	N/A	1.3
	USAF	87	T-1 Joint Specialized Undergradu	Formation	4	10	2	MOA	400	4	0.8
	USAF	87	T-1 Joint Specialized Undergradu	Air Refueling	5	10	2	ARI Track	1500	4	0.8
	USAF	87	T-1 Joint Specialized Undergradu	Airdrop	4	10	2	LLTR	2400	N/A	1.3
Randolph T-1	USAF	79	T-1	Transition	18	13.2	2	MOA	200	8	0.3
	USAF	79	T-1	Low Level	8	13.2	1	SFL VR or IR	N/A	1.3	0.7
	USAF	79	T-1	Mission Form-MOA	4	13.2	1	MOA	200	8	1
	USAF	79	T-1	Mission Form-Air Refuel	2	13.2	1	ARI Track	1500	8	1.3
	USAF	79	T-1	Mission Form-Air Drop	5	13.2	1	LLTR	2400	8	1

MISSION/SORTIE REQUIREMENTS

Airlift/Tanker	#Sorties by Mission Area	Instructor Overhead Included #Sorties by Mission Area
Contact	6	6.0
Transition	16	16.5
Formation	4	4.5
Low-Level	6	6.0
Navigation	16	16.0
Air-Refuel	3	3.8
Low-Level Airdrop	4	5.7

	#Sorties by Mission Area (12%)	#Sorties by Mission Area
Contact	0.8	0.8
Transition	2.1	3.3
Formation	0.5	0.6
Low-Level	0.8	0.8
Navigation	2.1	2.1
Air-Refuel	0.7	1.0
Low-Level Airdrop	0.5	1.1

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace		
	SQ NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Contact	200	4000	0.3
Transition	200	4000	0.3
Formation	400	4000	1
Low-Level	2400	1500	0.8
Navigation	N/A	N/A	3
Air-Refuel	1500	3000	1.3
Low-Level Airdrop	2400	1500	1

PRIMARY T-6

LAUGHLIN T-6

NAS	67	T-6 Joint Primary Pilot Training	Contact	32	30	1	MOA	200	6	0.5
NAS	67	T-6 Joint Primary Pilot Training	Instruments	10	30	1	MOA	200	1.5	0.4
NAS	67	T-6 Joint Primary Pilot Training	Formation	13	30	1	MOA	200	3	0.8
NAS	67	T-6 Joint Primary Pilot Training	Navigation	6	30	1	None	N/A	N/A	N/A
NAS	67	T-6 Joint Primary Pilot Training	Low-Level	3	30	1	MTR	N/A	N/A	0.5

MOODY T-6

NAS	29	T-6 Primary Undergraduate Pilot	All	58	15.1	1	High Altitude Air-to-Air	180	6000	0.7

AETC HEADQUARTERS - PRIMARY T-6

MISSION/SORTIE REQUIREMENTS

Primary (T-6)	#Sorties by Mission Area	Instructor Overhead Included #Sorties by Mission Area	
Contact	32	34.5	0.12
Formation	[illegible]	15.4	0.12
Instrument	10	[illegible]	0.12
Navigation	[illegible]	6.5	0.12
Low-Level	3	[illegible]	0.12

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area		
Contact	[illegible]	0.12	5.9
Formation	[illegible]	0.12	3.4
Instrument	[illegible]	0.12	2
Navigation	[illegible]	0.12	1.1
Low-Level	[illegible]	0.12	

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace: SQ NM	Vertical Feet	Average time (hours) in the Airspace each Sortie
Contact	200	5000	0.5
Formation	200	5000	0.8
Instrument	200	1500	0.4
Navigation	N/A	N/A	1.7
Low-Level	1500	1500	0.5

FF

Moody - IFF

NAS	29	Introduction to Fighter Fundamen	Air-to-Air (A track)	31.9	15	1	High Altitude Air-to-Air	625	15000	0.4
NAS	29	Introduction to Fighter Fundamen	Air-to-Air (B track)	22.3	15	1	High Altitude Air-to-Air	625	15000	0.4
NAS	29	Introduction to Fighter Fundamen	Air-to-Air (C track)	14.8	15	1	High Altitude Air-to-Air	625	15000	0.4

AETC HEADQUARTERS - IFF

MISSION/SORTIE REQUIREMENTS

Introduction to Fighter Fundame	#Sorties by Mission Area	Instructor Overhead Included #Sorties by Mission Area		
Formation	4	[illegible]	0.09	4
Advanced Handling	1	[illegible]	0.09	1
Offensive BFM	4	[illegible]	0.09	4
Defensive BFM	4	[illegible]	0.09	4
High Aspect	5	[illegible]	0.09	5
Surface Attack	6	[illegible]	0.09	6
Low Altitude Advanced Handling	2	[illegible]	0.09	2

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Areas (15%)	#Sorties by Mission Area		
Formation	0.6	[illegible]	0.09	0.7
Advanced Handling	0.2	[illegible]	0.09	0.2
Offensive BFM	0.6	[illegible]	0.09	0.7
Defensive BFM	0.6	[illegible]	0.09	0.7
High Aspect	0.8	[illegible]	0.09	0.9
Surface Attack	0.9	[illegible]	0.09	1.1
Low Altitude Advanced Handling	0.3	0.3	0.09	0.4

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace: SQ NM	Vertical Feet	Average time (hours) in the Airspace each Sortie
Formation	625	15000	0.4
Advanced Handling	625	15000	0.4
Offensive BFM	625	15000	0.4
Defensive BFM	625	15000	0.4
High Aspect	625	15000	0.4
Surface Attack	90	15000	0.4
Low Altitude Advanced Handling	600	3000	0.4

IFF (ENJJPT)

Shaggard - IFF (ENJJPT)

[illegible]	71	[illegible]	Formation	4	17.8	1	MOA	[illegible]	18	0.5
[illegible]	71	[illegible]	Advanced Handling	1	17.8	1	MOA	[illegible]	18	0.5
[illegible]	71	[illegible]	Offensive BFM	4	17.8	1	MOA	[illegible]	18	0.5
[illegible]	71	[illegible]	Defensive BFM	4	17.8	1	MOA	[illegible]	18	0.5
[illegible]	71	[illegible]	High Aspect	5	17.8	1	MOA	[illegible]	18	0.5
[illegible]	71	[illegible]	Surface Attack	6	17.8	1	Air to Ground Range	60	40	0.5
[illegible]	71	[illegible]	Low Altitude Advanced Handling	2	17.8	1	LLTR	205	4	0.5

AETC HEADQUARTERS - IFF (ENJJPT)

MISSION/SORTIE REQUIREMENTS

Introduction to Fighter Fundame	#Sorties by Mission Area	Instructor Overhead Included #Sorties by Mission Area	
Formation	4	4.24	0.06
Advanced Handling	1	1.1	0.06
Offensive BFM	4	4.2	0.06
Defensive BFM	4	4.2	0.06
High Aspect	5	5.3	0.06
Surface Attack	6	6.4	0.06
Low Altitude Advanced Handling	2	2.1	0.06

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%17.8)	#Sorties by Mission Areas	
Formation	0.7	0.7	0.06
Advanced Handling	0.2	0.2	0.06
Offensive BFM	0.7	0.7	0.06
Defensive BFM	0.7	0.7	0.06
High Aspect	0.9	1.0	0.06
Surface Attack	1.1	1.2	0.06
Low Altitude Advanced Handling	0.4	0.4	0.06

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		(SQ NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Formation		880	18,000	0.5
Advanced Handling		880	18,000	0.5
Offensive BFM		880	18,000	0.5
Defensive BFM		880	18,000	0.5
High Aspect		880	18,000	0.5
Surface Attack		60	15,000	0.5
Low Altitude Advanced Handling		205	4000	0.5

PRIMARY T-37 (ENJJPT)

Shaggard - PRIMARY T-37 (ENJJPT)

[illegible]	71	[illegible]	Contact	40	18	1	MOA	200	4	0.6
[illegible]	71	[illegible]	Instrument	23	18	1	MOA	200	4	0.6
[illegible]	71	[illegible]	Navigation	8	18	1	LLTR	172	1.2	0.6
[illegible]	71	[illegible]	Formation	16	18	1	MOA	200	4	0.6

AETC HEADQUARTERS - PRIMARY T-37 (ENJJPT)

MISSION/SORTIE REQUIREMENTS

Primary (ENJJPT)	#Sorties by Mission Area	Instructor Overhead Included #Sorties by Mission Area	
Contact	40	49.8	0.17
Formation	16	18.8	0.17
Instrument	15	18.3	0.17
Navigation	8	9.0	0.17
Low Level	8	9.0	0.17

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (18%)	#Sorties by Mission Area		
Contact	8.2	9.0	0.17	4.1
Formation	2.9	3.4	0.17	2.7
Instrument	2.7	3.3	0.17	3.4
Navigation	1.4	1.6	0.17	1.1
Low Level	1.4	1.6	0.17	

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		(SQ NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Contact		200	5000	0.6
Formation		200	5000	0.6
Instrument		200	1500	0.6
Navigation		N/A	N/A	1.4
Low Level		1500	1500	0.7

[illegible]	T1	P-V4A-N-T-38	Contact	30	15.3	1	MOA	400	12	0.55
[illegible]	T1	P-V4A-N-T-38	Instrument	31	15.3	1	MOA	400	12	0.55
[illegible]	T1	P-V4A-N-T-38	Navigation	9	15.3	1	LLTR	215	2	0.55
[illegible]	T1	P-V4A-N-T-38	Formation	35	15.3	1	MOA	400	12	0.55

Fighter/Bomber (ENJUPT)	#Sorties by Mission Area	Instructor Overhead Included #Sorties by Mission Area	
Contact	30	35.3	0.22
Formation	39	41.9	0.22
Instrument	15	16.1	0.22
Navigation	16	21.1	0.22
Low-Level	9	10.3	0.22

	#Sorties by Mission Area (%15)		
	[illegible]	[illegible]	0.22
		[illegible]	0.22
		2.51	0.22
		3.21	0.22
		1.61	0.22

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace		
	SQ NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Contact	200	12000	0.6
Formation	400	12000	0.6
Instrument	400	2000	0.6
Navigation	N/A	N/A	1.3
Low Level	3400	1500	0.6

AETC HEADQUARTERS - Helicopter

MISSION/SORTIE REQUIREMENTS

#Sorties by Mission Area	Instructor Overhead Included #Sorties by Mission Area	
36	38.9	0.19
7	[illegible]	0.19
15	[illegible]	0.19
18	[illegible]	0.19
	[illegible]	0.19

#Sorties by Mission Area	#Sorties by Mission Area
[illegible]	[illegible]
0.7	[illegible]
1.5	[illegible]
1.8	[illegible]
	[illegible]

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace		
	SQ NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Contact	32,500	10000	1.5
Instruments	32,500	10000	1.7
Remote	32,500	10000	1.3
Low Level	32,500	10000	1.5

Current Source: 14.124

Source Name: Flying Training Syllabi	Source Date: 19 Aug 04
Source Location: AETC/DOF	

Source Method: For multiple syllabi executed at multiple locations - AETC Headquarters syllabus experts reviewed installation answers and current syllabi then 'normalized' the data to provide a single, MAJCOM answer. For unique syllabi (unique syllabus at single location) - installation answers were not changed. In order to provide the instructor overhead costs, an instructor ratio was calculated based on an instructor's average productivity during a standard tour, see the 'Instructor Factors' spreadsheet 19 Aug 04 attached. Sortie data for instructor overhead were obtained by multiplying the appropriate instructor factor times sorties required to produce an instructor. This 'factor' was then added to the requirement to produce a single student yielding a total figure which includes instructor overhead.

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14.124 : Airspace requirements: For each syllabus/stage of Pilot flight training, 1) give the number of sorties required by the syllabus, the percentage of overhead sorties, and the number of students that train during each sortie; 2) give the type of airspace required, the size (vertical and area dimensions) of the airspace block in which training is conducted, and the time spent per sortie in this block of airspace

T-37 Pilot Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	24
Formation	13
Inst/Nav	8
Low-Level	4

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%22)
Contact	5.2
Formation	2.8
Inst/Nav	1.7
Low-Level	0.9

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time
Contact		100	6000	0.5
Formation		200	3000	0.5
Inst/Nav		200	1500	0.5
Low-Level		150	1500	0.5

T-6 Pilot Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	21
Formation	12
Instrument	7
Navigation	4

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (28%)
Contact	5.9
Formation	3.4
Instrument	2
Navigation	1.1

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time
Contact		100	6000	0.4
Formation		200	3000	0.8
Instrument		200	1500	0.3
Navigation		150	1500	0.5

T-6 Instructor Pilot Transition

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	1
Formation	6
Instrument	4
Navigation	3

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (28.1%)
Contact	4.5
Formation	1.7
Instrument	1.1
Navigation	0.8

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time
Contact		100	6000	0.4
Formation		200	3000	0.8
Instrument		200	1500	0.3
Navigation		150	1500	0.5

T-38C Pilot Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	20
Formation	25
Instrument	8
Transition	8
Low-Level	10

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%16.4)
Contact	3.3
Formation	4.1
Instrument	1.3
Transition	1.3
Low-Level	1.6

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Contact		200	12000	0.4
Formation		400	12000	0.4
Instrument		400	4000	0.4
Transition		400	4000	0.4
Low-Level		2400	1500	0.4

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
	20
	6
	12
	6

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%37
Transition	7.5
Formation	2.3
Low-Level/Air Drop	4.5
Air-Refuel	2.3

	Dimension of Required Airspace		
Transition			
Formation			
Low-Level/Air Drop	2400	1500	1.0
Air-Refuel	1500	3000	1.2

T-43 Pilot Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Instrument	12

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%23.3)
Instrument	2.8

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace				
		SQ NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie	
Instrument		N/A	N/A		5

Navigator Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Flying Training	2

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (23%)
Flying Training	0.7

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SA NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Flying Training	FAA Class A	N/A	N/A	3

EWO Instructor Training

MISSION/SORTIE REQUIREMENTS

	Mission Area
Flying Training	3

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (23%)
Flying Training	0.7

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SA NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Flying Training	FAA Class A	N/A	N/A	3

Instructor Factors - 19 Aug 04

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	Instructor Tour (yrs)	Cal Days/Class	Days/Year	Classes/Year	#Stud/IP/Class	#Students Instructor Produces	% of IP Overhead/Student Factor
Primary (T-37)	2.70	90.00	225.00	2.50	1.43	9.66	10%
Primary (T-6)	2.70	90.00	225.00	2.50	1.28	8.63	12%
Primary (Aviation Leadership Program)	2.70	150.00	225.00	1.50	1.39	5.63	18%
Primary (ENJJPT)	2.70	108.00	216.00	2.00	1.07	5.75	17%
Fighter/Bomber	2.70	120.00	225.00	1.88	0.96	4.86	21%
Fighter/Bomber (ENJJPT)	2.70	108.00	216.00	2.00	0.84	4.54	22%
Airlift/Tanker	2.70	120.00	225.00	1.88	1.38	6.99	14%
Introduction to Fighter Fundamentals	2.70	34.00	221.00	6.50	0.65	11.49	9%
Introduction to Fighter Fundamentals (ENJJPT)	2.70	31.00	225.00	7.26	0.84	16.49	6%
Helicopter	2.70	114.00	225.00	1.97	1.00	5.33	19%
Primary Navigation	2.70	157.00	225.00	1.43	4.09	15.82	6%
Airmanship	2.70	15.00	225.00	15.00	2.82	14.21	1%
Electronic Warfare Officer	2.70	172.00	225.00	1.31	1.38	4.88	20%

FY04 Data		ADSL	Total IPs	#Stud/IP
Primary (T-37)	Columbus AFB	188.2	131.0	1.44
	Laughlin AFB	In T-37 to T-6 transition		
	Vance AFB	201.0	141.0	1.43
			avg	**1.43**
Primary (T-6)	Moody AFB	110.0	86.0	1.3
	Laughlin AFB	In T-37 to T-6 transition		
Primary (Aviation Leadership Program)	Columbus AFB	15.3	11.0	
Primary (ENJJPT)	Sheppard	128.9	121.0	
Fighter/Bomber	Columbus AFB	66.1	66	1.0
	Laughlin AFB	68.3	68	1.0
	Vance AFB	56.0	64.0	0.9
			avg	**1.0**
Fighter/Bomber (ENJJPT)	Sheppard	103.5	123.0	0.8
Airlift/Tanker	Columbus AFB	121.6	88.0	1.4
	Laughlin AFB	125.3	90.0	1.4
	Vance AFB	119.0	87.0	1.4
			avg	**1.4**
Introduction to Fighter Fundamentals	Moody AFB	57.6	88.0	0.7
Introduction to Fighter Fundamentals (ENJJPT)	Sheppard	23.4		
Helicopter	Rucker	29.0	29.0	1.0
Primary Navigation	Randolph	261.7	64.0	
Airmanship	Randolph	14.1	5.0	2.8
Electronic Warfare Officer	Randolph	65.0	7.0	

14.124 : Airspace requirements: For each syllabus/stage of Pilot flight training, 1) give the number of sorties required by the syllabus, the percentage of overhead sorties, and the number of students that train during each sortie; 2) give the type of airspace required, the size (vertical and area dimensions) of the airspace block in which training is conducted, and the time spent per sortie in this block of airspace

T-37 Pilot Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	24
Formation	13
Inst/Nav	8
Low-Level	4

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%22)
Contact	5.2
Formation	2.8
Inst/Nav	1.7
Low-Level	0.9

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time
Contact		100	6000	0.5
Formation		200	3000	0.5
Inst/Nav		200	1500	0.5
Low-Level		150	1500	0.5

T-6 Pilot Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	21
Formation	12
Instrument	7
Navigation	4

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (28%)
Contact	5.9
Formation	3.4
Instrument	2
Navigation	1.1

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time
Contact		100	6000	0.4
Formation		200	3000	0.8
Instrument		200	1500	0.3
Navigation		150	1500	0.5

T-6 Instructor Pilot Transition

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	6
Formation	5
Instrument	4
Navigation	3

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (28.1%)
Contact	4.5
Formation	1.7
Instrument	1.1
Navigation	0.8

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time
Contact		100	6000	0.4
Formation		200	3000	0.8
Instrument		200	1500	0.3
Navigation		150	1500	0.5

T-38C Pilot Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	20
Formation	25
Instrument	8
Transition	8
Low-Level	10

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%16.4)
Contact	3.3
Formation	4.1
Instrument	1.3
Transition	1.3
Low-Level	1.6

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Contact		200	12000	0.4
Formation		400	12000	0.4
Instrument		400	4000	0.4
Transition		400	4000	0.4
Low-Level		2400	1500	0.4

T-1 Pilot Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Transition	20
Formation	6
Low-Level/Air Drop	12
Air-Refuel	6

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%37.5)
Transition	7.5
Formation	2.3
Low-Level/Air Drop	4.5
Air-Refuel	2.3

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time
Transition		200	3000	0.4
Formation		400	4000	0.5
Low-Level/Air Drop		2400	1500	1.0
Air-Refuel		1500	3000	1.2

T-43 Pilot Training

MISSION/SORTIE REQUIREMENTS

Instrument	12

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%23.3)
Instrument	2.8

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Instrument		N/A	N/A	0.5

Navigator Instructor Training

MISSION/SORTIE REQUIREMENTS

	Mission Area
Flying Training	3

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (23%)
Flying Training	0.7

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SA NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Flying Training	FAA Class A	N/A	N/A	3

EWO Instructor Training

MISSION/SORTIE REQUIREMENTS

	Mission Area
Flying Training	3

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (23%)
Flying Training	0.7

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SA NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Flying Training	FAA Class A	N/A	N/A	3

14.124 : Airspace requirements: For each syllabus/stage of Pilot flight training, 1) give the number of sorties required by the syllabus, the percentage of overhead sorties, and the number of students that train during each sortie; 2) give the type of airspace required, the size (vertical and area dimensions) of the airspace block in which training is conducted, and the time spent per sortie in this block of airspace

ENJJPT T-37 Pilot Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	23
Formation	15
Instrument	19
Navigation	6

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%18)
Contact	4.1
Formation	2.7
Instrument	3.4
Navigation	1.1

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace		
	SQ NM	Vertical(Feet)	Average time
Contact	200	6000	0.6
Formation	200	6000	0.6
Instrument	200	1500	0.6
Navigation	172	1500	0.6

ENJJPT T-38 Pilot Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	24
Instruments	13
Transition	5
Formation	21
Navigation	5

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%15.3)
Contact	3.7
Instruments	2
Transition	0.8
Formation	3.5
Navigation	0.9

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace		
	SQ NM	Vertical(Feet)	Average time
Contact	400	12000	0.55
Instruments	400	2000	0.55
Transition	400	12000	0.55
Formation	400	12000	0.55
Navigation	215	2000	0.55

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Formation	4
Advanced	1
Offensive BFM	4
Defensive BFM	4
High Aspect	5
Surface Attack	6
Low Altitude	2

OVERHEAD MISSION/SORTIE REQUIREMENTS

#Sorties by Mission Area (%17.8)
0.7
0.2
0.7
0.7
0.9
1.1
0.4

	Dimension of Required Airspace		
	SQ NM	Vertical(Fee	Average time
Formation	625	15,000	0.5
Advanced	625	15,000	0.5
Offensive BFM	625	15,000	0.5
Defensive BFM	625	15,000	0.5
High Aspect	625	15,000	0.5
Surface Attack	90	15,000	0.5
Low Altitude	205	4000	0.5

Moody IFF Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Formation	4
Advanced	1
Offensive BFM	4
Defensive BFM	4
High Aspect	5
Surface Attack	6
Low Altitude	2

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%17.8)
Formation	0.7
Advanced	0.2
Offensive BFM	0.7
Defensive BFM	0.7
High Aspect	0.9
Surface Attack	1.1
Low Altitude	0.4

	Dimension of Required Airspace		
	SQ NM	Vertical(Fee	Average time
Formation	880	18,000	0.5
Advanced	880	18,000	0.5
Offensive BFM	880	18,000	0.5
Defensive BFM	880	18,000	0.5
High Aspect	880	18,000	0.5
Surface Attack	60	15,000	0.5
Low Altitude	205	4000	0.5

AETC HEADQUARTERS - UH-1H Helicopter PIT

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	15
Instrument	5
Remote	9
Low-Level	10

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	1.5
Instrument	0.5
Remote	0.9
Low-Level	1

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
	SQ NM		Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Contact	32300	MAA	10000	1.5
Instrument	32300	MAA	10000	1.7
Remote	32300	MAA	10000	1.5
Low-Level	32300	MAA	10000	1.5

Olson Roger Civ AETC/DORA

From: Babcock Steven L Contr AETC/DOFI
Sent: Thursday, August 19, 2004 10:46 AM
To: Olson Roger Civ AETC/DORA
Cc: Babcock Steven L Contr AETC/DOFI
Subject: FW: Quest 14.124 T-38PIT vs T-38 UFT

Importance: High

Roger,

I would use the same Airspace numbers as in UPT.

I broke out the trans/form/inst sorties on the spread sheet (trans = 8, form = 25, inst = 8)

steve

-----Original Message-----
From: Olson Roger Civ AETC/DORA
Sent: Thursday, August 19, 2004 8:36 AM
To: Steven L Contr AETC/DOFI Babcock (E-mail)
Subject: Quest 14.124 T-38PIT vs T-38 UFT
Importance: High

0DRAFT DELIBERATIVE DOCUMENT - FOR DISCUSSION PURPOSES ONLY - DO NOT RELEASE UNDER FOIA

Steve
The T-38 UFT and PIT airspace requirements
are incomplete

Would you please break out the TRANS/FORM/INST
sortie #s for T-38 PIT

Is there any reason I shouldn't use the UPT airspace
requirements for PIT? TRANS/FORM/INST of 400 sq nm and 4000ft
doesn't make sense...T-38 obviously can't conduct formation
in 4000 ft alt block.

Don't worry about the overhead #s, I'll calculate them

Help again please
Roger

Quest14.125RND_1
9aug04.xls

Olson Roger Civ AETC/DORA

From: Horton Kirk G LtCol 479 FTG/CAG
Sent: Thursday, August 19, 2004 3:11 PM
To: Olson Roger Civ AETC/DORA
Subject: RE: BRAC DC#1 Clarification - Quest 14.124 Airspace Requirements IFF

TELECON W/ MAJ DOBBINS 8/19/04
SPS IFF SURFACE ATTACK ALT = 15,000'

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Roger,
If they're getting a T-38 up to FL400 on a surface attack ride, I want some of the juice they're feeding it. You asked for airspace "required" to complete the syllabus, and that's what we gave you. As for the lateral dimensions, my experts tell me that 90 square miles is a minimum, a "postage stamp" to quote one of my viper guys. We stand by both numbers.
KGH

-----Original Message-----
From: Olson Roger Civ AETC/DORA [mailto:Roger.Olson@RANDOLPH.AF.MIL]
Sent: Thursday, August 19, 2004 9:06 AM
To: Dobbins Bruce Maj 80 OG/OGT; Horton Kirk G LtCol 479 FTG/CAG
Cc: Sims Ronald C Civ AETC/DOFF; Spann Joseph A GS-13 80 FTW/EP
Subject: RE: BRAC DC#1 Clarification - Quest 14.124 Airspace Requirements IFF
Importance: High

Lumpy
Moody is using 90 sq nm and 15000 ft for surface attack
your numbers are 60 sq nm and 40000 ft
Unless there is a significant syllabus reason for being that different
we need to try to bring the numbers closer together
Kirk Horton is the POC at Moody...maybe putting the two IFF POCs
together can resolve this
As usual, I need it soonest
Thanks
Roger
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-----Original Message-----
From: Sims Ronald C Civ AETC/DOFF
Sent: Thursday, August 19, 2004 7:21 AM
To: Spann Joseph A GS-13 80 FTW/EP
Cc: Dobbins Bruce Maj 80 OG/OGT; Olson Roger Civ AETC/DORA
Subject: RE: BRAC DC#1 Clarification

I am working one part of 14.124 where SP IFF says they need 40M' to do surface attack.
Need to know if that is a good number or does it need to be revised.
Thanks,
Ron Sims

AETC/DOFF

Fighter Training Branch

DSN 487-5834

ronald.sims@randolph.af.mil

-----Original Message-----
From: Spann Joseph A GS-13 80 FTW/EP
Sent: Wednesday, August 18, 2004 5:24 PM
To: Sims Ronald C Civ AETC/DOFF
Cc: Dobbins Bruce Maj 80 OG/OGT; Olson Roger Civ AETC/DORA
Subject: RE: BRAC DC#1 Clarification

Ron,

Maj Bruce Dobbins (Lumpy) is the best POC at this point.

I forwarded a spreadsheet from Roger Olson concerning this question to Lumpy this afternoon. He will review and get back to Roger in the morning. Are you working the same issue with Roger? Or, are you working a different part of the question?

Joe

-----Original Message-----
From: Sims Ronald C Civ AETC/DOFF [mailto:Ronald.Sims@RANDOLPH.AF.MIL]
Sent: Wednesday, August 18, 2004 4:31 PM
To: Spann Joseph A GS-13 80 FTW/EP
Subject: BRAC DC#1 Clarification

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

Mr. Spann,
I am the BRAC MAJCOM reviewer for question 14.87. We are in process of completing a normalization exercise and I need some info from your OPs POC on one part this question. Please send me the POC for this question.
Thanks,

Ron Sims

AETC/DOFF

Fighter Training Branch

DSN 487-5834

ronald.sims@randolph.af.mil

Olson Roger Civ AETC/DORA

From: Long Terry P Contr AETC/DOFI
Sent: Monday, August 16, 2004 1:09 PM
To: Olson Roger Civ AETC/DORA; Babcock Steven L Contr AETC/DOFI
Subject: RE: typical nav mission duration

Rog,
Assuming undergraduate navigation missions:
There are 9 rides in the T-6 JPPT syllabus for 14.3 hours equals a 1.58 ASD. The cross country navigation missions are about 1.7 and the Low levels are about 1.4
For the T-37 there are 8 rides for 10.9 hours which gives you a 1.32 ASD. The cross country navigation missions ASD is 1.38 while the low level/VFR missions are 1.3
Terry

-----Original Message-----
From: Olson Roger Civ AETC/DORA
Sent: Monday, August 16, 2004 12:44 PM
To: Steven L Contr AETC/DOFI Babcock (E-mail); Long Terry P Contr AETC/DOFI
Subject: typical nav mission duration

Terry, Steve
Can you guys give me the typical student navigation sortie duration
for T-6, T-37, T-38
Thanks
Roger

DRAFT DELIBERATIVE - FOR DISCUSSION ONLY - DO NOT RELEASE UNDER FOIA

Olson Roger Civ AETC/DORA

From: Babcock Steven L Contr AETC/DOFI
Sent: Monday, August 16, 2004 12:55 PM
To: Olson Roger Civ AETC/DORA; Long Terry P Contr AETC/DOFI
Cc: Babcock Steven L Contr AETC/DOFI
Subject: RE: typical nav mission duration

T-38 - Nav is 1.3 LL is 1.2

-----Original Message-----
From: Olson Roger Civ AETC/DORA
Sent: Monday, August 16, 2004 12:44 PM
To: Steven L Contr AETC/DOFI Babcock (E-mail); Long Terry P Contr AETC/DOFI
Subject: typical nav mission duration

Terry, Steve
Can you guys give me the typical student navigation sortie duration
for T-6, T-37, T-38
Thanks
Roger

DRAFT DELIBERATIVE - FOR DISCUSSION ONLY - DO NOT RELEASE UNDER FOIA

Non-WIDGET Certification Sheet

Functional Point of Contact Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6.13 TA1 9 SEP2004 Office Symbol: _____

Signature: KB DIAMOND LtCol Date: _____

Printed Name, Phone, Title: C4873394 AETC/XPPB

Answer Provider Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6116694 Office Symbol: DO1

Signature _____ Date: 19 AUG 04

Printed Name, Phone, Title: OLSON, ROGER T. 487-2585 DO FPOC

DC#1 14.125

DC#1A - #4347

block of airspace

Base			1. Name of Training Syllabus (Text)	2. Syllabus stage (Text)	3. Sorties required by syllabus (Count)	4. Overhead sorties (%) (Count)	5. Students per sortie (Count)	6. Type of airspace required (Text)	7. Area Size (sq nm) (Sq. NM.)	8. Vertical dimension (1,000 ft.) (1,000 ft)	9. Time in Block/Sortie (hrs) (Hr
Randolph Primary Nav	HAF	20	AETC Syllabus N-V4r-N-2	Flying	5	23	12	MOA	1125	17	1
	HAF	20	AETC Syllabus V4R-N-1 Primary Na	Fundementals of Navigation	4	23	12	FAA Class A	N/A	0	3
	HAF	20	AETC Syllabus V4R-N-1 Primary Na	Systems Navigation	6	23	12	FAA Class A	N/A	0	3

AETC HEADQUARTERS - PRIMARY NAV

MISSION/SORTIE REQUIREMENTS

Primary Navigation	#Sorties by Mission Area			
Global Navigation	5		0.06	
Fundamentals of Nav	4		0.06	3
Systems Nav	6		0.06	
			0.06	
			0.06	

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (23%)			
Global Navigation	1.2		1.06	
Fundamentals of Nav	0.9		1.06	0.7
Systems Nav	1.4		1.06	
			1.06	
			1.06	

AIRSPACE REQUIREMENTS

Dimension of Required Airspace

	SQ NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Global Nav?	1125	17000	1.0
Fundamentals of Nav	N/A	N/A	3.0
Systems Nav	N/A	N/A	3.0

Randolph - Airmanship T-1

	HAF	20	AETCSyllabus N-V4R-N-5 T-1 Airma	Low Level	4	37.5	2	MTR --low level	N/A	1.5	2
	HAF	20	AETCSyllabus N-V4R-N-5 T-1 Airma	Air Refueling	4	37.5	2	AR Track	1617	2	1.3

AETC HEADQUARTERS - AIRMANSHIP

MISSION/SORTIE REQUIREMENTS

Airmanship	#Sorties by Mission Area	Instructor Overhead Included #Sorties by Mission Area		
Low Level	4	4.1	0.01	12
Air Refueling	4	4.1	0.01	6
Transition	0	0.2	0.01	20
Formation	0	0.1	0.01	6

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (37.5%)	#Sorties by Mission Area		
Low Level	1.5	1.5	0.01	4.5
Air Refueling	1.5	1.5	0.01	2.3
Transition	0	0.1	0.01	7.5
Formation	0	0.0	0.01	2.3

Dimension of Required Airspace

	SQ NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie

Low Level	1500
Air Refueling	3000
Transition	3000
Formation	4000

Randolph - Undergraduate EWO

HAFS	20	AETC Syllabus B-V4E-W/B-V5E-W E	Flying Training	2	23	12	FAA Class A	N/A	0	3

AETC HEADQUARTERS - Undergraduate EWO

MISSION/SORTIE REQUIREMENTS

Electronic Warfare Officer	#Sorties by Mission Area	Instructor Overhead Included #Sorties by Mission Area
Navigation	2	2.6

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (23%)	#Sorties by Mission Area
Navigation	0.5	0.6

0.2	3
0.2	0
0.2	
0.2	
0.2	
0.2	0.7
0.2	

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			Average time (hours) in the Airspace each Sortie
		SQ NM	Vertical(Feet)	
Flying Training	N/A	N/A	N/A	3.0

Moody IFF WSO Training

HAFS	29	IFF WSO	Air-to-Air	0	N/A	N/A	N/A	N/A	N/A	N/A

Current Source: 14.125

Source Name: Data Call #1 | Source Date: 19 Aug 04

Source Location: WIDGET Data Base

Source Method: AETC Headquarters subject matter expert extracted data from DC#1 per guidance in the E&T JCSG sub-group adjudication. Sortie data for instructor overhead were obtained by multiplying the appropriate instructor factor times sorties required to produce an instructor. This 'factor' was then added to the requirement to produce a single student yielding a total figure which includes instructor overhead.

Instructor Factors - 19 Aug 04

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

	Instructor Tour (yrs)	Cal Days/Class	Days/Year	Classes/Year	#Stud/IP/Class	#Students Instructor Produces	% of IP Overhead/Student Factor
Primary (T-37)	2.70	90.00	225.00	2.50	1.43	9.66	10%
Primary (T-6)	2.70	90.00	225.00	2.50	1.28	8.63	12%
Primary (Aviation Leadership Program)	2.70	150.00	225.00	1.50	1.39	5.63	18%
Primary (ENJJPT)	2.70	108.00	216.00	2.00	1.07	5.75	17%
Fighter/Bomber	2.70	120.00	225.00	1.88	0.96	4.86	21%
Fighter/Bomber (ENJJPT)	2.70	108.00	216.00	2.00	0.84	4.54	22%
Airlift/Tanker	2.70	120.00	225.00	1.88	1.38	6.99	14%
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Introduction to Fighter Fundamentals (ENJJPT)	2.70	31.00	225.00	7.26	0.84	16.49	6%
Helicopter	2.70	114.00	225.00	1.97	1.00	5.33	19%
Primary Navigation	2.70	157.00	225.00	1.43	4.09	15.82	6%
Airmanship	2.70	15.00	225.00	15.00	2.82	114.21	1%
Electronic Warfare Officer	2.70	172.00	225.00	1.31	1.38	4.88	20%

FY04 Data		ADSL	Total IPs	#Stud/IP
Primary (T-37)	Columbus AFB	188.2	131.0	1.44
	Laughlin AFB	In T-37 to T-6 transition		
	Vance AFB	201.0	141.0	1.43
			avg	**1.43**
Primary (T-6)	Moody AFB	110.0	86.0	1.3
	Laughlin AFB	In T-37 to T-6 transition		
Primary (Aviation Leadership Program)	Columbus AFB	15.3	11.0	1.4
Primary (ENJJPT)	Sheppard	128.9	121.0	1.1
Fighter/Bomber	Columbus AFB	66.1	66	1.0
	Laughlin AFB	68.3	68	1.0
	Vance AFB	56.0	64.0	0.9
			avg	**1.0**
Fighter/Bomber (ENJJPT)	Sheppard	103.5	123.0	0.8
Airlift/Tanker	Columbus AFB	121.6	88.0	1.4
	Laughlin AFB	125.3	90.0	1.4
	Vance AFB	119.0	87.0	1.4
			avg	**1.4**
Introduction to Fighter Fundamentals	Moody AFB	57.6	88.0	0.7
Introduction to Fighter Fundamentals (ENJJPT)	Sheppard	23.4		
Helicopter	Rucker	29.0	29.0	1.0
Primary Navigation	Randolph	261.7	64.0	4.1
Airmanship	Randolph	14.1	5.0	2.8
Electronic Warfare Officer	Randolph	65.0	47.0	1.4

14.124 : Airspace requirements: For each syllabus/stage of Pilot flight training, 1) give the number of sorties required by the syllabus, the percentage of overhead sorties, and the number of students that train during each sortie; 2) give the type of airspace required, the size (vertical and area dimensions) of the airspace block in which training is conducted, and the time spent per sortie in this block of airspace

T-37 Pilot Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	24
Formation	13
Inst/Nav	8
Low-Level	4

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%22)
Contact	5.2
Formation	2.8
Inst/Nav	1.7
Low-Level	0.9

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time
Contact		100	6000	0.5
Formation		200	3000	0.5
Inst/Nav		200	1500	0.5
Low-Level		150	1500	0.5

T-6 Pilot Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	21
Formation	12
Instrument	7
Navigation	4

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (28%)
Contact	5.9
Formation	3.4
Instrument	2
Navigation	1.1

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time
Contact		100	6000	0.4
Formation		200	3000	0.8
Instrument		200	1500	0.3
Navigation		150	1500	0.5

T-6 Instructor Pilot Transition

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	16
Formation	6
Instrument	4
Navigation	3

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (28.1%)
Contact	4.5
Formation	1.7
Instrument	1.1
Navigation	0.8

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace		
	SQ NM	Vertical(Feet)	Average time
Contact	100	6000	0.4
Formation	200	3000	0.8
Instrument	200	1500	0.3
Navigation	150	1500	0.5

T-38C Pilot Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Contact	20
Formation	25
Instrument	8
Transition	6
Low-Level	10

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%16.4)
Contact	3.3
Formation	4.1
Instrument	1.3
Transition	1.3
Low-Level	1.6

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace		
	SQ NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Contact	200	12000	0.4
Formation	400	12000	0.4
Instrument	400	4000	0.4
Transition	400	4000	0.4
Low-Level	2400	1500	0.4

T-1 Pilot Instructor Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Transition	20
Formation	6
Low-Level/Air Drop	12
Air-Refuel	6

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%37.5)
Transition	7.5
Formation	2.3
Low-Level/Air Drop	4.5
Air-Refuel	2.3

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time
Transition		200	3000	0.4
Formation		400	4000	0.5
Low-Level/Air Drop		2400	1500	1.0
Air-Refuel		1500	3000	1.2

T-43 Pilot Training

MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area
Instrument	12

OVERHEAD MISSION/SORTIE REQUIREMENTS

	#Sorties by Mission Area (%23.3)
Instrument	2.8

AIRSPACE REQUIREMENTS

	Dimension of Required Airspace			
		SQ NM	Vertical(Feet)	Average time (hours) in the Airspace each Sortie
Instrument		N/A	N/A	0.5

Non-WIDGET Certification Sheet

Functional Point of Contact Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6.13 TA19 SEP2004 Office Symbol: _____

Signature: KB DIAMOND LTCOL KB Diamond Date: _____

Printed Name, Phone, Title: C4873394 AETC/XPPB

Answer Provider Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6.116694 Office Symbol: DO1

Signature: Roger T. Olson Date: 19 AUG 04

Printed Name, Phone, Title: OLSON, ROGER T. 487-2585 DO FPOC

DO#7 - 1.138

DC #1A - # 4348

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1.138 Amplification: This question seeks to determine the mix of aircraft by category that operates at your air station and at each of your outlying fields. The question asks for the percent of runway usage (or the percent of total runway operations) conducted by Class A, Class B, Class C, and Class D aircraft.

Aircraft Class	Maximum Certified Takeoff Weight	Number of Engines	Wake Turbulence Classification
A	12,500 lbs or less	single	small (s)
B	12,500 lbs or less	multiple	small (s)
C	12,500 – 300,000 lbs	multiple	large (l)
D	over 300,000 lbs	multiple	heavy (h)

Note: AETC T-38 current fleet average takeoff gross weight is 12,700 lbs. The data for question 1.138 has been re-validated with all AETC T-38 operations reported as Class C. The portion of column 4 data attributed to T-38 ops by base is listed below:

	% T-38 Runway Ops (Class C)
Columbus	28
Laughlin	40
Moody	17
Randolph	45
Sheppard	44
Vance	36

1.138 : If your installation conducts undergraduate or graduate level flight training, or is a USN or USMC activities, provide the average (over FY99-FY03) breakout of runway operations by aircraft category (class) for your home field and each outlying field. Breakout should include all flight operations (i.e., training, operational, maintenance, etc.) Percentage of runway operations over all aircraft categories should sum to 100.

Base	2. %Runway Op Class A Aircraft (%)	3. %Runway Op Class B Aircraft (%)	4. %Runway Op Class C Aircraft (%)	5. %Runway Op Class D Aircraft (%)	
Columbus AFB	0	61	39	0	100
Laughlin AFB	3	47	50	0	100
Moody AFB	75	0	24	1	100
Randolph AFB	20	20	60	0	100
Sheppard AFB	5	45	49	1	100
Vance AFB	0	55	45	0	100

Aux Fields	2. %Runway Op Class A Aircraft (%)	3. %Runway Op Class B Aircraft (%)	4. %Runway Op Class C Aircraft (%)	5. %Runway Op Class D Aircraft (%)
Columbus				
Columbus Aux Field (1MS8)	0	61.292	38.708	0
	0	100	0	0
Laughlin				
Laughlin AFB Aux 1	2.5	47.5	50	0
	5	95	0	0
Moody	75	N/A	24	1
Randolph				
Hondo	10	49	41	0
Seguin Aux Field	100	0	0	0
	9	91	0	0
Sheppard				
Frederick Airport, Oklahoma	52	45	2	1
Ft Sill, Oklahoma	100	0	0	0
Lawton Municipal, Oklahoma	70	30	0	0
	99	1	0	0
Vance				
Enid Woodring Regional	0	55	45	0
Kegelman AF Aux	0	100	0	0
	0	100	0	0

Current Source: 1.138

Source Name: Data Call #1	Source Date: 19-Aug-04

Source Location: WIDGET Data Base

Source Method: Data re-validated by AETC Headquarters subject matter experts coordinated with installations. T-38 data broken out to provide visibility on a 'border line' aircraft. Randolph and Sheppard provided revised figures (see e-mails attached)

Olson Roger Civ AETC/DORA

From: Ferry Ebby LtCol 12 FTW/XP
Sent: Thursday, August 12, 2004 3:40 PM
To: Olson Roger Civ AETC/DORA
Cc: Ellsworth Gary L Civ 12 FTW/XPO; Cox Andrew LtCol 12 OG/CDX; Roper Darnell 1stLt 12 OSS/OSATE
Subject: FW: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04

Importance: High

Roger,
Attached spreadsheet has 12 FTW TA approved answer for this adjudication. I've given you totals for each class as well as how we binned our aircraft into each class to arrive at those totals. I hope this tells you all you wanted to know. If not, fire it back at us and we'll do it again.

Ebby

Lt Col Ebby Ferry
Chief, Wing Plans & Programs
12 FTW/XP
Randolph AFB, TX
DSN: 487-5138, option 1
Comm: 210-652-5138, option 1

-----Original Message-----
From: Olson Roger Civ AETC/DORA
Sent: Wednesday, August 11, 2004 1:36 PM
To: Ferry Ebby LtCol 12 FTW/XP; Spillers Stanley E LtCol 14FTW/XP; Martel Michael P LtCol 14FTW; Pincince Marc LtCol 47 CES/CC; Korthauer Ralph Maj 85 FTS/ADO; Spann Joseph A GS-13 80 FTW/EP; Smith Mary O GS-12 82 TRW/XPP; Kekic Heather J Capt 71 FTW/PA; Richard Dan J LtCol 71 FTW/DS
Subject: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04
Importance: High

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I'm working a BRAC HAF adjudication of DC#1 Quest 1.138 Historic Aircraft Ops
Class A, B, C, D

I need to know how you catagorized the T-38 aircraft (all models) for this question.

Fleet gross weight average is 12,700lbs; individuals are above and below the
Class B to C cutoff. I need to consistently report the fleet for the command.

Please break-out your data for the T-38 on the attached spreadsheet.

Roger Olson

Quest1.138.xls

Olson Roger Civ AETC/DORA

From: Hackethorn John Maj 86 FTS/ADO
Sent: Wednesday, August 11, 2004 5:53 PM
To: Olson Roger Civ AETC/DORA
Subject: FW: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04

Importance: High

Roger,
We assumed all T-38 sorties were Class C (along with the T-1). Approximately 40% of all runway operations would be T-38, based on daily sortie count and the nature of training (most T-1 work is done off station). Based on this, I put 0% in the Class B and 100% in the Class C in your spreadsheet. If you wanted T-38 percentages of total runway operations, it would be 0% Class B and 40% Class C. Please let me know if you need anything else.

Maj. John Hackethorn
86 FTS/ADO
E-mail: john.hackethorn@laughlin.af.mil
DSN 732-5990/Comm (830) 298-5990

"Draft Deliberative Document - For Discussion Only - Do Not Release Under FOIA"

-----Original Message-----
From: Pincince Marc LtCol 47 CES/CC
Sent: Wednesday, August 11, 2004 4:42 PM
To: Hackethorn John Maj 86 FTS/ADO
Subject: FW: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04
Importance: High

I didn't see you as an addressee...

MARC L. PINCINCE, Lt Col, USAF
Commander, 47 CES
DSN 732-5252 COMM 830-298-5252

-----Original Message-----
From: Olson Roger Civ AETC/DORA [<mailto:Roger.Olson@RANDOLPH.AF.MIL>]
Sent: Wednesday, August 11, 2004 1:36 PM
To: Ferry Ebby LtCol 12 FTW/XP; Spillers Stanley E LtCol 14FTW/XP; Martel Michael P LtCol 14FTW; Pincince Marc LtCol 47 CES/CC; Korthauer Ralph Maj 85 FTS/ADO; Spann Joseph A GS-13 80 FTW/EP; Smith Mary O GS-12 82 TRW/XPP; Kekic Heather J Capt 71 FTW/PA; Richard Dan J LtCol 71 FTW/DS
Subject: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04
Importance: High

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I'm working a BRAC HAF adjudication of DC#1 Quest 1.138 Historic Aircraft Ops
Class A, B, C, D

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Fleet gross weight average is 12,700lbs; individuals are above and below the Class B to C cutoff. I need to consistently report the fleet for the command.

Please break-out your data for the T-38 on the attached spreadsheet.

Olson Roger Civ AETC/DORA

From: Horton Kirk G LtCol 479 FTG/CAG
Sent: Wednesday, August 18, 2004 3:09 PM
To: Olson Roger Civ AETC/DORA
Cc: Babiarz Paul T 1Lt 347 LRS/LGRF; Cruz Agustin J MSgt 347 MSG/CCX
Subject: RE: Quest 1.138/1.142 - Adjudication

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Roger,

Final answers for you. 1.138: 17% T-38C ops, 7% other. 1.142: 92% is all AETC training. No other training is included in this number.

Glad to help,
KGH

-----Original Message-----
From: Olson Roger Civ AETC/DORA [mailto:Roger.Olson@RANDOLPH.AF.MIL]
Sent: Thursday, August 12, 2004 1:03 PM
To: Day Mike S Maj 347 OSS/OSK; Horton Kirk G LtCol 479 FTG/CAG
Cc: Cruz Agustin J MSgt 347 MSG/CCX; Schoenbein Michael C Capt 347 OSS/OSA
Subject: RE: Quest 1.142 - Runway Operations - Adjudication

understand completely...no snags
Roger

-----Original Message-----
From: Day Mike S Maj 347 OSS/OSK
Sent: Thursday, August 12, 2004 11:09 AM
To: Olson Roger Civ AETC/DORA
Cc: Cruz Agustin J MSgt 347 MSG/CCX; Schoenbein Michael C Capt 347 OSS/OSA
Subject: RE: Quest 1.142 - Runway Operations - Adjudication

Sir,

As Lt Col Horton has eluded to, our base is currently operating under a HUREVAC plan. Capt Schoenbein (Airfield Manager) is aware of the request and will attempt to provide clarification for this question as well as question 1.138 as soon as possible. Realistically, I don't see us being able to adequately provide information on this until our base assets are secured for the upcoming storms iaw the HUREVAC procedures.

Maj Day
DSN 460-4234

-----Original Message-----
From: Olson Roger Civ AETC/DORA [mailto:Roger.Olson@RANDOLPH.AF.MIL]
Sent: Thursday, August 12, 2004 10:55 AM
To: Horton Kirk G LtCol 479 FTG/CAG; Day Mike S Maj 347 OSS/OSK
Cc: Kevin C. Maj AETC\DORA Tompkins (E-mail)
Subject: Quest 1.142 - Runway Operations - Adjudication

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FOIA"

Kirk, Mike
Sorry to throw another one your direction...attached is clarification of of 1.142

1.142: Amplification: This question seeks to illustrate how often an installation's runway is used to support missions other than AETC-sponsored flight training programs. E&T JCSG FT Sub-group needs to know (with credible accuracy) the percent of time other units/missions require your installation's runway. Request USAF BRAC and AETC calculate the percentage of runway use by training squadrons (flight training program), operational squadrons stationed at the airfield, and other aircraft (including tenant aircraft) that operate from your airfield.

Original DC#1 Question

1.142: If your installation conducts undergraduate or graduate level flight training, for each home field and OLF, provide percentage of airfield runway use by training squadrons, operational squadrons, or other. Average operations over the past five year

Since the clarification asks for "other than AETC-sponsored flight training programs" and the original DC#1 question simply asked for training squadrons vs operational and other,
I need to know if the 92% Moody reported for training includes AFSOC training. If so, please break out the number into it's components - ie how much is AETC flight training and how much is AFSOC flight training.

Your original answer is attached for reference.

Thanks
Roger

-----Original Message-----
From: Olson Roger Civ AETC/DORA
Sent: Thursday, August 12, 2004 7:06 AM
To: Horton Kirk G LtCol 479 FTG/CAG; Day Mike S Maj 347 OSS/OSK
Subject: RE: Aircraft Category

Kirk
A break out of the T-38 ops portion is exactly what I need.
My intention is to make sure all AETC installations report the T-38 as a class C and show what portion of the ops is attributed to the T-38.
Your estimate would be appreciated...I will not make it official until you've had a chance to coordinate with the wing.
Thanks
Roger

-----Original Message-----
From: Horton Kirk G LtCol 479 FTG/CAG
Sent: Wednesday, August 11, 2004 3:20 PM
To: Olson Roger Civ AETC/DORA
Subject: RE: Aircraft Category

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Unfortunately, we didn't answer the question, our host wing did. They are in the middle of an AFSOC UCI, as well as preparing the base for our incoming Tropical Storm(s). Given that the original answer was an estimate, I could make another estimate of what part of the 24% is T-38 ops, but I don't think that is what you want.

Bottom line: I've forwarded your question to them (Maj Mike Day 347 OSS), but I can't promise an answer by COB tomorrow.

KGH

-----Original Message-----
From: Olson Roger Civ AETC/DORA
[mailto:Roger.Olson@RANDOLPH.AF.MIL]
Sent: Wednesday, August 11, 2004 4:00 PM
To: Horton Kirk G LtCol 479 FTG/CAG
Subject: Aircraft Category

Just to follow up our conversation

<<...OLE_Obj...>>

Olson Roger Civ AETC/DORA

From: Miller Mark A LtCol 14OG/CDA
Sent: Monday, August 16, 2004 4:07 PM
To: Olson Roger Civ AETC/DORA
Cc: Spillers Stanley E LtCol 14FTW/XP; Roberts Rodney N Civ 14CES/CC2; Lewis David J Col 14OG/CC; Hedge Jesse A Capt 14 OSS/OSA; Price Jerry F MSgt 14OSS/OSAT
Subject: FW: HAF Adjudication DC#1 Quest 1.138

Importance: High

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Roger,

All of our T-38Cs are heavier than they were as T-38A. We never hedge on the weight; all T-38C here are considered class C at 12,700 lbs. Others may have worried about individual weights so they are allowed to takeoff, but the sea-level and 12,000 foot runway are always good.

As for %s. Answer for Round 1 Question 1.138 we have a 5 year average of 270,491 ops at the home field.

Category B. (Exclusive T-37). 165,791ops 61.292% of the total above (all of Sunfish RSU and 10% of the Tower count)
Category C. T-38 75,393 ops 27.872% of the total above (all of Liveoak RSU and 50% of the Tower count)
Category C. T-1 29,307 ops 10.835% of the total above (40% of the Tower count)

More if you need it. Answers are also displayed inside the green spreadsheet of the .XLS as requested

MM

-----Original Message-----
From: Olson Roger Civ AETC/DORA [<mailto:Roger.Olson@RANDOLPH.AF.MIL>]
Sent: Friday, August 13, 2004 12:29 PM
To: Miller Mark A LtCol 14OG/CDA
Subject: FW: HAF Adjudication DC#1 Quest 1.138
Importance: High

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Mark...should have know you were the guy. Need some help with DC#1 Quest 1.138

****

I'm working a BRAC HAF adjudication of DC#1 Quest 1.138 Historic Aircraft Ops
Class A, B, C, D

I need to know how you catagorized the T-38 aircraft (all models) for this question.

Fleet gross weight average is 12,700lbs; individuals are above and below the
Class B to C cutoff. I need to consistently report the fleet for the command.

Please break-out your data for the T-38 on the attached spreadsheet.

Roger Olson

Olson Roger Civ AETC/DORA

From: Spann Joseph A GS-13 80 FTW/EP
Sent: Friday, August 13, 2004 1:28 PM
To: Olson Roger Civ AETC/DORA; Spann Joseph A GS-13 80 FTW/EP
Cc: Germain Cat A 1 Lt 80 OSS/DOF; Smith Mary O GS-12 82 TRW/XPP; Johnson Joann M GS-12 82 TRW/XPP
Subject: RE: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04

Roger,

I think the answerer put the T-37 into the Class A but now believe that was an error because the T-37 is actually Class B.

So I propose the following update for Sheppard.

Class A - 5% (light, single engine civilian)
Class B - 45% (40% T-37 and 5% light civilian multi-engine)
Class C - 49% (44% T-38 ops and 5% American Eagle and medium civilian multi-engine)
Class D - 1% (heavy military and civilian)

This is a big change from the original answer, but I feel this is a more valid distribution.

Regards,
Joe

-----Original Message-----
From: Olson Roger Civ AETC/DORA [mailto:Roger.Olson@RANDOLPH.AF.MIL]
Sent: Friday, August 13, 2004 9:03 AM
To: Spann Joseph A GS-13 80 FTW/EP
Cc: Germain Cat A 1 Lt 80 OSS/DOF; Smith Mary O GS-12 82 TRW/XPP; Johnson Joann M GS-12 82 TRW/XPP
Subject: RE: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04

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Joe
I do have another question...was the 52% posted as Class A runway ops in DC#1 all attributed to the T-37? Or is it a mix between municipal traffic and the T-37? If it is a mix...can you separate the T-37 and muni data?
Roger

-----Original Message-----
From: Spann Joseph A GS-13 80 FTW/EP
Sent: Thursday, August 12, 2004 3:19 PM
To: Olson Roger Civ AETC/DORA
Cc: Germain Cat A 1 Lt 80 OSS/DOF; Smith Mary O GS-12 82 TRW/XPP; Johnson Joann M GS-12 82 TRW/XPP
Subject: FW: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04
Importance: High

Roger,

The primary answerer for this question is now PCS'd. I reviewed his answer and have determined that he answered T-38 operations as Class B and that all the Class B operations at Sheppard were attributed to the T-38. Therefore, I updated the attached spreadsheet accordingly.

I hope this answers your question.

Joe

-----Original Message-----
From: Olson Roger Civ AETC/DORA [mailto:Roger.Olson@RANDOLPH.AF.MIL]
Sent: Wednesday, August 11, 2004 1:36 PM
To: Ferry Ebby LtCol 12 FTW/XP; Spillers Stanley E LtCol 14FTW/XP; Martel Michael P LtCol 14FTW; Pincince Marc LtCol 47 CES/CC;

Korthauer Ralph Maj 85 FTS/ADO; Spann Joseph A GS-13 80 FTW/EP; Smith Mary O GS-12 82 TRW/XPP; Kekic Heather J Capt 71 FTW/PA; Richard Dan J LtCol 71 FTW/DS

Subject: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04

Importance: High

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I'm working a BRAC HAF adjudication of DC#1 Quest 1.138 Historic Aircraft Ops Class A, B, C, D

I need to know how you catagorized the T-38 aircraft (all models) for this question.

Fleet gross weight average is 12,700lbs; individuals are above and below the Class B to C cutoff. I need to consistently report the fleet for the command.

Please break-out your data for the T-38 on the attached spreadsheet.

Roger Olson

<< File: Quest1.138.xls >>

Olson Roger Civ AETC/DORA

From: Hackethorn John Maj 86 FTS/ADO
Sent: Thursday, August 12, 2004 8:31 AM
To: Olson Roger Civ AETC/DORA
Subject: RE: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04

Never say as always....it might get to my head! I'm just glad this was an easy one for me. Thanks.

Maj. John Hackethorn
86 FTS/ADO
E-mail: john.hackethorn@laughlin.af.mil
DSN 732-5990/Comm (830) 298-5990

"Draft Deliberative Document - For Discussion Only - Do Not Release Under FOIA"

-----Original Message-----
From: Olson Roger Civ AETC/DORA [<mailto:Roger.Olson@RANDOLPH.AF.MIL>]
Sent: Thursday, August 12, 2004 7:17 AM
To: Hackethorn John Maj 86 FTS/ADO
Subject: RE: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04

Perfect as always John!
Thanks
Roger

-----Original Message-----
From: Hackethorn John Maj 86 FTS/ADO
Sent: Wednesday, August 11, 2004 5:53 PM
To: Olson Roger Civ AETC/DORA
Subject: FW: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04
Importance: High

Roger,
We assumed all T-38 sorties were Class C (along with the T-1). Approximately 40% of all runway operations would be T-38, based on daily sortie count and the nature of training (most T-1 work is done off station). Based on this, I put 0% in the Class B and 100% in the Class C in your spreadsheet. If you wanted T-38 percentages of total runway operations, it would be 0% Class B and 40% Class C. Please let me know if you need anything else.

Maj. John Hackethorn
86 FTS/ADO
E-mail: john.hackethorn@laughlin.af.mil
DSN 732-5990/Comm (830) 298-5990

"Draft Deliberative Document - For Discussion Only - Do Not Release Under FOIA"

-----Original Message-----
From: Pincince Marc LtCol 47 CES/CC
Sent: Wednesday, August 11, 2004 4:42 PM
To: Hackethorn John Maj 86 FTS/ADO
Subject: FW: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04
Importance: High

I didn't see you as an addressee...

MARC L. PINCINCE, Lt Col, USAF
Commander, 47 CES
DSN 732-5252 COMM 830-298-5252

-----Original Message-----
From: Olson Roger Civ AETC/DORA [<<mailto:Roger.Olson@RANDOLPH.AF.MIL>>]
Sent: Wednesday, August 11, 2004 1:36 PM
To: Ferry Ebby LtCol 12 FTW/XP; Spillers Stanley E LtCol 14FTW/XP; Martel Michael P LtCol 14FTW; Pincince Marc LtCol 47 CES/CC; Korthauer Ralph Maj 85 FTS/ADO; Spann Joseph A GS-13 80 FTW/EP; Smith Mary O GS-12 82 TRW/XPP; Kekic Heather J Capt 71 FTW/PA; Richard Dan J LtCol 71 FTW/DS
Subject: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04
Importance: High

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I'm working a BRAC HAF adjudication of DC#1 Quest 1.138 Historic Aircraft Ops Class A, B, C, D

I need to know how you catagorized the T-38 aircraft (all models) for this question.

Fleet gross weight average is 12,700lbs; individuals are above and below the Class B to C cutoff. I need to consistently report the fleet for the command.

Please break-out your data for the T-38 on the attached spreadsheet.

Roger Olson

<< File: Quest1.138.xls >>

Olson Roger Civ AETC/DORA

From: Richard Dan J LtCol 71 FTW/DS
Sent: Thursday, August 12, 2004 3:02 PM
To: Olson Roger Civ AETC/DORA
Subject: RE: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04

Roger,

Can I assume you inputted the data for Vance AFB?? If so, we should be good to go.

Rocket

-----Original Message-----
From: Olson Roger Civ AETC/DORA
Sent: Thursday, August 12, 2004 12:49 PM
To: Wagner Curt D Maj 5 FTS/DOIB; Richard Dan J LtCol 71 FTW/DS
Subject: RE: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04

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

Got it, thanks

Since you reported 45% Class C total, I'll break it out as follows:

20% of 45% or 9% = T-1
and
80% of 45% or 36% = T-38

Roger

-----Original Message-----
From: Wagner Curt D Maj 5 FTS/DOIB
Sent: Thursday, August 12, 2004 12:38 PM
To: Olson Roger Civ AETC/DORA
Subject: RE: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04

Roger,

T-38-80%

T-1-20%

When Vance answered the original question we were able to capture a good number for total traffic counts and T-37 only traffic count. (T-37 traffic count is overwhelmingly generated in the RSU controlled pattern) Since T-37's were Class B and everything else was Class C, we just took the left over and made it Class C. (Vance considered the T-38 class C as directed back then). We do have a hard number for the T-38 pattern's traffic count which is almost exclusively T-38. (There is the occasional T-1 in the count due to emergencies). The problem comes in due to the fact that tower keeps a total count, not broken up into type of aircraft. However, after consultation with the assistant tower chief, he estimates 35% of the tower's traffic count to be: T-38's - 35%;T-1's - 50%, and 15% to be T-37's. After considering the weighted average from tower/T-38 RSU, we estimate 80% of the T-1/T-38 traffic count to be: T-38 - 80%; T-1 - 20%.

-----Original Message-----
From: Richard Dan J LtCol 71 FTW/DS
Sent: Thursday, August 12, 2004 8:00 AM
To: Wagner Curt D Maj 5 FTS/DOIB
Subject: FW: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04
Importance: High

Wags,

.....and more info regarding the DC 1 adjudication.

Rocket

-----Original Message-----
From: Olson Roger Civ AETC/DORA
Sent: Thursday, August 12, 2004 7:02 AM
To: Ferry Ebby LtCol 12 FTW/XP; Spillers Stanley E LtCol 14FTW/XP; Martel Michael P LtCol 14FTW; Pincince Marc LtCol 47 CES/CC; Korthauer Ralph Maj 85 FTS/ADO; Spann Joseph A GS-13 80 FTW/EP; Smith Mary O GS-12 82 TRW/XPP; Kekic Heather J Capt 71 FTW/PA; Richard Dan J LtCol 71 FTW/DS
Cc: Tompkins Kevin C Maj AETC/DORA
Subject: RE: HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04
Importance: High

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Had some questions about this clarification...

Please do not re-calculate any data; I am requesting visibility on the T-38 part of the data. i.e. if T-38s at base X were classed as C and the combined T-38/T-1 % Runway Ops Class C = 50, then show me how much of the 50 is attributed to T-38s (35%, 40%, or whatever). Because the T-38 is at the borderline of class B and C, some units may have reported the T-38 as a class B. In that case...you'll be breaking apart combined T-37 and T-38 data.

AETC current T-38 average T/O GW is 12,700lbs...it is my intention to adjust the data in question 1.138 to reflect all AETC T-38 as a Class C aircraft.

Thanks for your help
Roger

-----Original Message-----

From:	Olson Roger Civ AETC/DORA
Sent:	Wednesday, August 11, 2004 1:36 PM
To:	Ferry Ebby LtCol 12 FTW/XP; Spillers Stanley E LtCol 14FTW/XP; Martel Michael P LtCol 14FTW; Pincince Marc LtCol 47 CES/CC; Korthauer Ralph Maj 85 FTS/ADO; Spann Joseph A GS-13 80 FTW/EP; Smith Mary O GS-12 82 TRW/XPP; Kekic Heather J Capt 71 FTW/PA; Richard Dan J LtCol 71 FTW/DS
Subject:	HAF Adjudication DC#1 Quest 1.138 - suspense COB 12 Aug 04
Importance:	High

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

I'm working a BRAC HAF adjudication of DC#1 Quest 1.138 Historic Aircraft Ops Class A, B, C, D

I need to know how you catagorized the T-38 aircraft (all models) for this question.

Fleet gross weight average is 12,700lbs; individuals are above and below the Class B to C cutoff. I need to consistently report the fleet for the command.

Please break-out your data for the T-38 on the attached spreadsheet.

Roger Olson

<< File: Quest1.138.xls >>

Non-WIDGET Certification Sheet

Functional Point of Contact Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6.13 TA1 9 SEP2004 Office Symbol: _____

Signature: KB DIAMOND LTCOL KB Date: _____

Printed Name, Phone, Title: C4873394 AETC/XPPB

Answer Provider Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6.116694 Office Symbol: DO1

Signature: Roger T. Olson Date: 19 Aug 04

Printed Name, Phone, Title: Olson, Roger T. 487-2585 DO FPOC

DC#1 - 1.139

DC# 1A - # 4349

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1.139 Amplification: The intent of this question is to obtain the percent of time 1) Visual flight rule (VFR) conditions exist, 2) Instrument flight rules (IFR) conditions exist, and 3) Poor visibility and ceiling (PVC) conditions exist. It also asks the percent of time crosswinds are less than 15 knots and when they are less than 25 knots.

For this question VFR conditions are defined as a ceiling of at least 1,000 feet above ground level and a visibility of at least three miles. IFR conditions are defined as ceiling of at least 500 feet but less than 1,000 feet and visibility at least one mile but less than three miles. PVC conditions are defined as a ceiling less than 500 feet and visibility of less than one mile.

Note: The above amplification is less restrictive than DC#1 limits for VFR/IFR conditions. DC#1 data was provided based on VFR being a ceiling of at least 1,500 ft and visibility of at least 3 miles. PVC conditions were not requested in DC#1

New data for 1.139 has been provided to reflect the E&T JCSG FT amplification above.

Base	Percent of time in the following weather conditions		
	VFR	IFR	PVC
Columbus AFB	89.7	7.7	2.6
Laughlin AFB	94.2	3.8	2.0
Moody AFB	87.0	7.7	5.3
Randolph AFB	86.6	8.8	4.6
Sheppard AFB	92.5	4.7	2.8
Vance AFB	89.8	6.1	4.1

1.139 : If your installation conducts undergraduate or graduate level flight training, provide the yearly average weather conditions at your home field and OLF.

	Aux Fields	2. VFR Conditions, Percentage of Time (%)	3. IFR Conditions, Percentage of Time (%)	4. Crosswind at or below 15 knots. (%)	5. Crosswind at or below 25 knots (%)	6. Icing, number of days (Day)
Columbus		86.8	13.2	99.2	99.9	4
	Columbus Aux Field (1MS8) No SOCS Available past 20	N/A	N/A	N/A	N/A	N/A
Laughlin		90.6	9.4	99.4	99.9	5
	Laughlin AFB Aux 1					
Moody						
Randolph		80	20	98.85	99.97	5
	Hondo	86	14	99.73	99.98	5
	Seguin Aux Field					
Sheppard		92	8	97.02	99.59	8.7
	Frederick Airport, Oklahoma					
	Ft Sill, Oklahoma					
	Lawton Municipal, Oklahoma					
Vance		90	10	98.39	99.81	23
	Enid Woodring Regional	90	10	98.39	99.81	23
	Kegelman AF Aux	90	10	98	99	23

Current Source: 1.139	
Source Name: DOY_DC1clarify05aug04.xls	Source Date: 5-Aug-04
Source Location: HQ AETC/DOY	
Source Method: AETC Headquarters subject matter expert querried weather data base and completed spreadsheet (DOY_DC1clarify05aug04.xls) per E&T JCSG subgroup adjudication.	

Olson Roger Civ AETC/DORA

From: Davenport Charles M LtCol AETC/DOYW
Sent: Tuesday, August 17, 2004 3:24 PM
To: Olson Roger Civ AETC/DORA
Cc: Parcenue BT Civ AETC/DOYF; Morganfield Aubrey R Civ AETC/DOYF
Subject: FW: DC#1 Clarification - DOY Tasker - Suspense Tues, 17 Aug 04
Importance: High

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though e-z to do, don't doubt your Wetter Mann ... 1.139 yellow section (Atch) contains revised data requested--for 6 main bases (hilited) only

lcd, DOYW

-----Original Message-----
From: Guimond Philip Maj AFCCC/DOPS
Sent: Monday, August 16, 2004 2:49 PM
To: Davenport Charles M LtCol AETC/DOYW
Cc: Foster Stephen MSgt AFCCC/DOPT; Murphy John D LtCol AF/XOO-WR
Subject: RE: DC#1 Clarification - DOY Tasker - Suspense Tues, 17 Aug 04

Sirs:

Attached please find AETC BRAC data you requested for VFR, IFR, and PVC conditions. Please reply if you have questions.

V/R
[Guimond, Philip Maj AFCCC/DOPS]

-----Original Message-----
From: Davenport Charles M LtCol AETC/DOYW [mailto:Charles.Davenport@RANDOLPH.AF.MIL]
Sent: Friday, August 13, 2004 11:35 AM
To: Falvey, Robert Lt Col AFCCC/DO
Cc: McKinley, Eric Lt Col AFCCC/CC; Murphy John D LtCol AF/XOO-WR
Subject: FW: DC#1 Clarification - DOY Tasker - Suspense Tues, 17 Aug 04
Importance: High

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

Gentle-Men,

BRAC attack continues to confound and corn fuse.

... will try to do check with HAF/AF BRACers on what's up here & if this, likewise, will dictate chgs to all AF DC1 entries [or AETC only] & resp wx criteria & data inputs for other DCs (eg, 6 & 9), but time/SUSP's too short to simply rely on timely

reply, so need to hedge my bet.

Can your folks to quickie SAR for resp (6) bases listed in atch, per new & improved DC1 VFR, IFR & "PVC" defs/crits, and ship to me Mon [or by noon Tue 17 Aug] ? As I read 'amplification (in Atch):

VFR = CIG/VIS $\geq$ 1000 ft/3 sm
IFR = 500/1 $\leq$ CIG/VIS < 1000/3
PVC = CIG/VIS < 500/1

It's only few (6) bases, and while most data I could pull from SOCS, 1 complicator doesn't pull as/so easy: 500/1 (PVC) $\leq$ IFR < 1000/3 (VFR).

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

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

1.139 Amplification: The intent of this question is to obtain the percent of time 1) Visual flight rule (VFR) conditions exist, 2) Instrument flight rules (IFR) conditions exist, and 3) Poor visibility and ceiling (PVC) conditions exist. It also asks the percent of time crosswinds are less than 15 knots and when they are less than 25 knots.
For this question **VFR conditions are defined as a ceiling of at least 1,000 feet above ground level and a visibility of at least three miles. IFR conditions are defined as ceiling of at least 500 feet but less than 1,000 feet and visibility at least one mile but less than three miles. PVC conditions are defined as a ceiling less than 500 feet and visibility of less than one mile.**

Base	Percent of time in the following weather conditions		
	VFR	IFR	PVC
Columbus AFB			
Laughlin AFB			
Moody AFB			
Randolph AFB			
Sheppard AFB			
Vance AFB			

-----Original Message-----
From: Davenport Charles M LtCol AETC/DOYW
Sent: Thursday, August 05, 2004 5:07 PM
To: Murphy John D LtCol AF/XOO-WR
Subject: FW: DC#1 Clarification - DOY Tasker - Suspense Tues, 17 Aug 04
Importance: High

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

FYI / heads up [someone's arse ...]

Looks like, despite best efforts, someone's driving re-vision & re-run of DC 1 wx data w/new & improved VFR/IFR/PVC criteria/definitions.

While I'm confident I can pull OCDS/SOCS and fill in resp blocks for AETC bases, my concern's with consistency with like data provided for rest of AF in DC 1 & DC 2 [which ya'll did direct], and being provided now for DCs 6 & 9. (Re earlier telcon, we (both) used GE/LT 1500/3 as VFR/IFR.)

Someone needs to decide and, as applicable, add/distribute like amplification to VFR & IFR criteria in all resp calls. (Since central, AF input used for DC 2 (done) & being used for 6 & 9 (ongoing), chgs little for bases/us, but could drive big/sig redo for AFCCC & your end.)

As to crosswind notes, see no need to run SARs/redo all for LT vice LE (ie, +1 kt); again, we used readily avail OCDS/SOCS data, and, as noted [good] %s are high with only decimal-ar diffs.

Let's talk before you/I (re) engage.

Cheers,
Chuck

-----Original Message-----
From: Parcenue BT Civ AETC/DOYF
Sent: Thursday, August 05, 2004 4:10 PM
To: Davenport Charles M LtCol AETC/DOYW
Subject: FW: DC#1 Clarification - DOY Tasker - Suspense Tues, 17 Aug 04
Importance: High

Looks like 1.139 is yours and the other is mine.

-----Original Message-----
From: Olson Roger Civ AETC/DORA
Sent: Thursday, August 05, 2004 10:22 AM
To: Parcenue BT Civ AETC/DOYF
Cc: Kevin C. Maj AETC\DORA Tompkins (E-mail)
Subject: DC#1 Clarification - DOY Tasker - Suspense Tues, 17 Aug 04
Importance: High

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

BT
We spoke, attached are the DC#1 clarification tasks
The question, clarification, and empty tables to be completed are highlighted in yellow

The gray and green areas are our DC#1 answers provided for reference

For Quest 1.139
Note new definitions are provided for VFR/IFR and PVC (Poor Visibility and Ceiling)

For Quest 1.141
Requires raw data for VFR Ops, means you'll probably have to go back to the installations for that. I know this was contentious; I'll help mediate if you need me. Looks like Moody showed T&G #s within arrival and departure totals, but that shouldn't matter when we report raw data. POC at Moody is Fagan Jeffrey D Maj 99 FTS/DOA-T

Roger

<<DOY_DC1clarify05aug04.xls>>

1.139 Amplification: The intent of this question is to obtain the percent of time 1) Visual flight rule (VFR) conditions exist, 2) Instrument flight rules (IFR) conditions exist, and 3) Poor visibility and ceiling (PVC) conditions exist. It also asks the percent of time crosswinds are less than 15 knots and when they are less than 25 knots.

For this question **VFR conditions are defined as a ceiling of at least 1,000 feet above ground level and a visibility of at least three miles. IFR conditions are defined as ceiling of at least 500 feet but less than 1,000 feet and visibility at least one mile but less than three miles. PVC conditions are defined as a ceiling less than 500 feet and visibility of less than one mile.**

Base	Percent of time in the following weather conditions		
	VFR	IFR	PVC
Columbus AFB	89.7	7.7	2.6
Laughlin AFB	94.2	3.8	2.0
Moody AFB	87.0	7.7	5.3
Randolph AFB	86.6	8.8	4.6
Sheppard AFB	92.5	4.7	2.8
Vance AFB	89.8	6.1	4.1

1.139: If your installation conducts undergraduate or graduate level flight training, provide the yearly average weather conditions at your home field and OLF.	**Aux Fields**	**2. VFR Conditions, Percentage of Time (%)**	**3. IFR Conditions, Percentage of Time (%)**	**4. Crosswind at or below 15 knots. (%)**	**5. Crosswind at or below 25 knots (%)**	**6. Icing, number of days (Day)**
Columbus		86.8	13.2	99.2	99.9	4
	Columbus Aux Field (1MS8) No SOCS Available past 20	N/A	N/A	N/A	N/A	N/A
Laughlin		90.6	9.4	99.4	99.9	5
	Laughlin AFB Aux 1					
Moody		83	17	1.5	0.2	7
Randolph		80	20	98.85	99.97	5
	Hondo	86	14	99.73	99.98	5
	Seguin Aux Field					
Sheppard		92	8	97.02	99.59	8.7
	Frederick Airport, Oklahoma					
	Ft Sill, Oklahoma					
	Lawton Municipal, Oklahoma					
Vance		90	10	98.39	99.81	23
	Enid Woodring Regional	90	10	98.39	99.81	23
	Kegelman AF Aux	90	10	98	99	23

Non-WIDGET Certification Sheet

Functional Point of Contact Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6.13 TA1A SEP2004 Office Symbol: _____

Signature: KB DIAMOND LTCOL KB Date: _____

Printed Name, Phone, Title: C4873394 AETC/XPPB

Answer Provider Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6.16694 Office Symbol: DO1

Signature: Roger T. Olson Date: 19 AUG 04

Printed Name, Phone, Title: OLSON, ROGER T. 487-2585 DOFRC

DC#1 - 1.141

DC#1A - # 4350

1.141 Amplification: This question seeks to capture (with credible accuracy) the percentage of VFR runway operations that are Touch & Goes. For example, if your air station conducted 300,000 runway operations during VRF conditions and 75,000 were Touch & Goes, the percentage would be 75,000 x 2 (single touch and go equals 2 events) = 150,000 events. Percentage of 300,000 operations that where touch and go equals 50% (150,000 / 300,000).

Note: AETC reported VFR Touch & Go operations as a percentage of total operations for DC#1.

Data for 1.141 Touch & Goes as a percentage of VFR runway operations has been provided per E&T JCSG FT amplification above.

Base	Total # VFR Ops	VFR Touch & Go Ops	Percentage
Columbus AFB			70
Laughlin AFB			79
Moody AFB			60
Randolph AFB			38
Sheppard AFB			67
Vance AFB			69

telecon w/JCSG - 11/9/4, only percentages required

1.141 : If your installation conducts undergraduate or graduate level flight training, provide an average of the last five years (FY99-FY03) for VFR and IFR arrivals, departures, and touch and go's for the home field and each OLF. All numbers are expressed as percentage and total VFR and IFR should sum to 100 percent

	Aux Fields	2. VFR arrivals (%)	3. VFR departures (%)	4. VFR touch & go's (%)	5. IFR arrivals (%)	6. IFR departures (%)	7. IFR touch & go's (%)	ttl VFR	% T&G	
Columbus	Columbus Aux Field (1MS8)	12.2	12.2	56.94	4.63	6.56	7.47	100	81.34	70%
Laughlin	Laughlin AFB Aux 1	10	5	55	5	20	5	100	70	79%
Moody		42.5	42.5	60	5	10	10		85	60%
Randolph	Hondo	28	7	21	19	6	19	100	56	38%
	Seguin Aux Field									
Sheppard		15	14	59	5	4	3	100	68	67%
	Frederick Airport, Oklahoma									
	Ft Sill, Oklahoma									
	Lawton Municipal, Oklahoma									
Vance		10	15	55	7	3	10	100	80	69%
	Enid Woodring Regional									
	Kegelman AF Aux									

Current Source: 1.141

Source Name: Data Call #1	Source Date: 19 Aug 04

Source Location: WIDGET Data Base

Source Method: AETC Hearduarters subject matter expert extracted data from Data Call #1 and expressed VFR touch and goes as a percentage of VFR operations only as opposed to a percentage of total operations per E&T JCSG sub-group adjudication.

Non-WIDGET Certification Sheet

Functional Point of Contact Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6.13 TA1 9 SEP2004 Office Symbol: _____

Signature: KB DIAMOND LtCol KB Date: _____

Printed Name, Phone, Title: C4873394 AETC/XPP

Answer Provider Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account ID: 6.16694 Office Symbol: DO1

Signature: _____ Date: 19 AUG 04

Printed Name, Phone, Title: OLSON, ROGER T. 487-2585 DO FPOC

DC #1 - 1.142

DC #1A - 4351

1.142: Amplification: This question seeks to illustrate how often an installation's runway is used to support missions other than AETC-sponsored flight training programs. E&T JCSG FT Sub-group needs to know (with credible accuracy) the percent of time other units/missions require your installation's runway. Request USAF BRAC and AETC calculate the percentage of runway use by training squadrons (flight training program), operational squadrons stationed at the airfield, and other aircraft (including tenant aircraft) that operate from your airfield.

Base	Percentage of Runway Use: Host Trng Units	Tenant Units	Transient Units
Columbus AFB	100	0	0
Laughlin AFB	100	0	0
Moody AFB	92	7	1
Randolph AFB	70	5	25
Sheppard AFB	86	1	13
Vance AFB	99	1	0

1.142: If your installation conducts undergraduate or graduate level flight training, for each home field and OLF, provide percentage of airfield runway use by training squadrons, operational squadrons, or other. Average operations over the past five year

		2. Percent of Training (%)	3. Percent of Operational (%)	4. Percent of Other (%)
Columbus	Columbus Aux Field (1MS8)	99.998	0.002	0
Laughlin	Laughlin AFB Aux 1	100	0	0
Moody		92	7	1
Randolph	Hondo Seguin Aux Field	70	5	25
Sheppard	Frederick Airport, Oklahoma Ft Sill, Oklahoma Lawton Municipal, Oklahoma	86	1	13
Vance	Enid Woodring Regional Kegelman AF Aux	99	1	0

Current Source: 1.142

Source Name: Data Call #1	Source Date: 19 Aug 04
Source Location: WIDGET Data Base	
Source Method: AETC Hq subject matter experts re-validated data per E&T JCSG sub-group adjudication. No change to original answers.	