Incoming SUPT Students

XL

Laughlin AFB, TX

Welcome to Laughlin AFB, TX

47th Flying Training Wing

World's Best Flying Training Operation

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47 FTW Mission

- Graduate the World's Best Pilots
- Deploy Mission-Ready Airmen
- Develop Professional, Disciplined, Bold Leaders

Welcome to Specialized Undergraduate Pilot Training. You can best prepare by understanding our mission, knowing how to reach us with questions, and taking full advantage of this Welcome Package we have prepared for you.

Laughlin AFB, TX

DEPARTMENT OF THE AIR FORCE
47TH FLYING TRAINING WING (AETC)

30 May 13

MEMORANDUM FOR INCOMING SUPT STUDENTS

FROM: 47 STUS/CC

SUBJECT: Welcome Letter

1. Welcome to pilot training. I am Lt Col Craig Allen, the 47th Student Squadron Commander. I will serve as your commander during your entire stay at Laughlin Air Force Base. As you progress in your Air Force journey from Awaiting Pilot Training (APT) student, to Specialized Undergraduate Pilot Training (SUPT) student, to post-SUPT training and graduated student, you will remain in the 47th STUS. Along with my chain of command, I stand ready to provide you with the support required to ensure we meet our mission of producing disciplined, professional pilots for the USAF.

2. SUPT at Laughlin AFB is a privilege and an opportunity of a lifetime . . . there are no second chances. Below are my expectations:

a. In order to make pilots, we must first start with good officers. You are a USAF officer 24/7, no matter the time, venue, or audience.
b. Your customs & courtesies, dress & appearance will set the standard for others to follow. When in doubt salute…stand…call the room to attention.
c. You will embrace the USAF "Fit to Fight" culture and pass your fitness assessment.
d. As APTs & Grad Flight students assigned to non-flying duties you will display initiative and will know your job inside and out. . . remember, "All work is honorable, do your best, someone is always taking note."
e. As SUPT students you will LIVE, EAT, AND BREATHE PILOT TRAINING! You must maintain a GOOD ATTITUDE at all times.
f. If you are not in your seat 5 minutes prior, you are late.

3. Developing USAF spouses is a top squadron priority. Support for your spouse will come through the 47th STUS Spouse Group. My wife, Mrs. Colleen Allen, runs this group and will serve as the focal point for student spouse issues while you are stationed at Laughlin AFB. To access our robust spouse network, please contact Colleen via email at kegsleen@gmail.com or phone at 830-313-7089 (H) or 660-864-5052 (C).

4. I look forward to meeting you and serving with you during your time at Laughlin AFB.

//SIGNED—cda/30 May 13//
CRAIG D. ALLEN, Lt Col, USAF
Commander, 47th Student Squadron

Laughlin AFB, TX

FY16 Class Start Dates:

Class	Pre-Flying Academics Start	Projected Graduation
16-01	02 Oct 14	23 Oct 15
16-02	27 Oct 14	20 Nov 15
16-03	21 Nov 14	18 Dec 15
16-04	19 Dec 14	22 Jan 16
16-05	26 Jan 15	19 Feb 16
16-06	18 Feb 15	11 Mar 16
16-07	12 Mar 15	08 Apr 16
16-08	03 Apr 15	29 Apr 16
16-09	24 Apr 15	20 May 16
16-10	18 May 15	10 Jun 16
16-11	09 Jun 15	08 Jul 16
16-12	30 Jun 15	29 Jul 16
16-13	23 Jul 15	19 Aug 16
16-14	14 Aug 15	09 Sep 16
16-15	09 Sep 15	30 Oct 16

If you have any questions regarding how early you are allowed to report to Laughlin AFB for SUPT training, please call the transition office front desk at:

DSN 732-5211 / COMM (830) 298-5211

Laughlin AFB, TX

What to do: One week out

- You may call the Laughlin Manor (VOQ) up to 90 days prior to reserve a room for your first couple of nights here. You may stay at the Laughlin Manor up to 30 days. The Air Force will reimburse you for the first 10 days, but you will have to use BAH to pay over ten days. Remember, you must pay for your room every 15 days.

  Laughlin Manor: DSN: 732-5731; Commercial: (830) 298-5731

- Get an Official Mail Center (OMC) Box Number to forward mail or use the General Delivery address. This is optional. You will be required to do this during in-processing if you are significantly delayed from getting a permanent address.

  PSC Box Duty Phone: DSN 732-4310; Commercial (830) 298-4310

  General Delivery Address:
  (Ensure you check in to the OMC if you will have mail delivered to the address below)
  Name
  General Delivery
  477 4th St. Suite 1
  Laughlin AFB, TX 78843-5144

- Call ahead to the Transition Flight if you have specific questions about the base. **The Transition Flight is the office that you will be reporting into the first day.**

  Transition Flight: DSN: 732-5211; Commercial: (830) 298-5211

- If you have a pet or weapons, please see the students with pets and or students with weapons pages.

- Prepare for the Air Force Physical Fitness test as you may be required to take it soon after your arrival at Laughlin AFB.

Laughlin AFB, TX

Physical Fitness

If you are not involved in a fitness program, we recommend you start one before your arrival. During your first month of training, you will take a physical fitness test and strength fitness test. You can best prepare for these tests with a combined weight and aerobic training program.

- The Air Force Physical Fitness Test will be administered during the first month of SUPT in accordance with Air Force instruction 10-248. Students that fail to meet the fitness standard (75 or above) will be entered into a conditioning program and retested. The AETC/DO directs that all UPT students not meeting physical fitness standards will be removed from training and reclassified. The test consists of a 1.5 mile run, a waist measurement, push-ups and sit-ups.

The max weight to start UPT is 245lbs

Travel Management Office

On behalf of the 47th Transportation Division, welcome to Laughlin Air Force Base (AFB). The TMO provides transportation including travel arrangements for members/dependents, and household goods transportation & storage. As the military member, you provide the dates and TMO makes the arrangements for passenger travel and packing, pick-up and shipment of personal property.

Two problems UPT students experience while getting settled-in at Laughlin AFB are:

- Property does not arrive in time, or prior to your class start date.
- Not having enough time after your training starts to arrange for storage of excess property.

Before you make the move to Laughlin AFB, review these helpful tips.

- Contact TMO as soon as you arrive on base. Our number is (830) 298-5388 or 5178. We will ask for your name and a telephone number where you can be reached. When property arrives, we have two hours to arrange for delivery. If we cannot contact you, the property will be placed in storage. If your property goes into storage, it may take a few days to coordinate a scheduled delivery to your residence.
- **Only ship items that are absolutely necessary. Single members living in the dormitories do not need to bring furniture**. Prior to your personal property shipment, single and unaccompanied members should contact the housing office at (830) 298- 5733 to determine how dormitories are furnished. Housing will only pay for storage if you live on base. The bottom line, only bring what you need.
- For married or accompanied members, having a spouse to assist with your move is beneficial. For some the time available during in-processing, prior to your training start date is very limited. Include your spouse in all facets of the move.
- Frequently asked questions include, "can I have my personal property delivered on the weekend." The Government does not pay overtime costs associated with weekend deliveries. Due to this fact, local moving agents do not deliver on weekends. Please keep this in mind when scheduling a time for your delivery. Local agents understand that your schedule is tight and will do everything within their power to accommodate your needs. Department of Defense regulations state, "Commanders will provide time to all personnel for the shipping and receiving of personal property."
- It is important that personal property shipments are shipped at least three weeks prior to your scheduled arrival, ensuring the availability of your property once quarters are assigned. Remember, if your property goes into storage, it may take a few days to coordinate a scheduled delivery to your residence.

- Only 90 days of temporary storage is authorized (with or without dependents). The 90 day limit begins once property arrives at Laughlin AFB and is placed in storage.
- If you can arrange for quarters prior to your move, ask TMO about a "direct delivery." Your property will be delivered directly to the address you provide. Keep in mind, you must be here to receive your property.
- If delivery of your goods becomes an issue, it may be possible to have someone assigned to the Transition Flight sign for your personal goods.
- For further information about the Laughlin AFB TMO or other transportation functions, please call us at (830) 298-5388.

Don't hesitate to ask for assistance from the professionals we have working for us.

//SIGNED//	//SIGNED//
Traffic Management Officer	Chief, 47th Transportation Division

Housing

UNACCOMPANIED/SINGLE MEMBERS

You **will** either stay in a single occupancy dorm room or, upon availability, share a **government owned** duplex house with another student. Exception to this policy will be on a case by case base, however do not expect to live off base. Unaccompanied/single members are not authorized to contact Pinnacle without specific prior authorization from the Housing Office.

The Dormitories include:

- 1 large bedroom that includes an extra long full size bed, chest of drawers, desk, and entertainment center which will hold a 27 inch television
- 1 kitchen with stove, refrigerator, and microwave
- 1 private bathroom
- Every room is cable and phone ready, please make arrangements with the following companies for service (optional):
    - Cable: Time Warner (830) 775-3567
    - Phone: Verizon (800) 483-4000
- The laundry facilities are centrally located within the UOQ building and the service is free
- Wait time for a dormitory room averages from 1 day to 6 weeks (these times are an average and vary from class to class)

The **Government** Duplexes (located on Ciarfeo and Carlson) include:

- 2 Bedrooms
- 1 Bath
- 1 Full Kitchen with microwave, stove, refrigerator, and dishwasher. Each unit has hookups for a washer and dryer.

- Wait times on average from 1 day to 6 weeks for unaccompanied/single students (these times are an average and can change from class to class).
- Roommates must be within one class from each other.

MARRIED MEMBERS

Married members have the option to buy or rent off base or to rent on base from Pinnacle. Married members who are on accompanied orders but will be unaccompanied while in UPT please contact the Trans Flt office.

Privatized Housing managed by Pinnacle (830) 298-1701:

- Rent is equal to your BAH, utilities included – rent is paid in advance
- Free yard care
- No pet or security deposit
- Free pest control—quarterly and as needed
- 2, 3, and 4 Bedroom houses available
- Fences in some yards
- Resident appreciation events
- Appliances included: gas stove, refrigerator, dishwasher, some microwaves
- $20,000 of renter's insurance included in rent—no extra cost.

MORE INFORMATION

- BAH rates can be found here: Laughlin AFB BAH Zip code is: 78843
- Electricity: (888) 216-3523
- More information on Laughlin AFB and Del Rio Housing can be found at the AF Crossroads Website
- Base Housing Office: (830) 298-5650

Travel to Laughlin AFB

1. San Antonio International Airport is usually the most economical route to use for travel by air though there are several other options at various distances of travel. As of April 2013 there is no commercial air service into Del Rio International.

2. If you are traveling by automobile from the east (San Antonio), take Highway 90 west to Del Rio. Laughlin AFB is located on Hwy 90 approximately 6 miles east of Del Rio. From the west (El Paso), you may travel on Interstate Highway 10 east to Van Horn and then follow Hwy 90 east to Del Rio. You may also elect to remain on IH 10 east to Sonora and then Hwy 277 south to Del Rio (longer route but more time spent on the Interstate, if you prefer). Once in Del Rio follow the signs to Highway 90 east. This will take you directly to Laughlin AFB.

3. The main gate is located approximately 5 miles east of Del Rio on Highway 90. The main gate is open 24 hours. The west gate is located 7 miles south of Del Rio on Highway 277. The west gate's hours of operation are M-F 0600-0900 and 1430-1730. The west gate is closed on the weekend and holidays.

Laughlin AFB, TX

Laughlin AFB, TX

Students with Pets

MEMORANDUM FOR INCOMING SUPT STUDENTS

FROM: 47 STUS/DOT

SUBJECT: Students with pets

1. Congratulations on your assignment to Laughlin AFB and Specialized Undergraduate Pilot Training. In order to comply with AFI 32-6005 and AFI 32-6004 each base Wing Commander is responsible for creating the policies for the housing units for his base.

2. For Laughlin AFB, the only pets allowed in billeting, TLFs, unaccompanied officer duplexes or the dorms are domesticated fish. If a student comes to pilot training with anything other than a fish, they will be responsible for making arrangements for the boarding of their pets for the duration of their stay. According to AF instructions, all unaccompanied students are required to live in the dormitories or duplexes. Married students may have pets in privatized housing but there are limits on the number and breed restrictions (contact housing for exact rules).

3. If you arrive at pilot training with a pet there are a few options available to you. You can arrange to leave your pet with someone residing in married housing or off-base, you can leave your pet with a family member, you can put your pet in a kennel, or you can reside off base **with a waiver**. *However, WAIVERS AUTHORIZING STUDENTS TO LIVE OFF BASE ARE GRANTED BASED PRIMARILY UPON UOQ AVAILABILITY, **NOT** UPON PET OWNERSHIP*. The kennels available in town are: Animal House (830-768-1105) and The Pet Resort (830-298-1345).

//Signed//
Transition Flight Commander
47th Student Squadron

Laughlin AFB, TX

Students with Weapons

MEMORANDUM FOR INCOMING SUPT STUDENTS

FROM: 47 STUS/DOT

SUBJECT: Students with Weapons

1. In an effort to ensure the highest level of security for our students as well as those already assigned to this installation, weapons and ammunition are not allowed to be stored in billeting, the Temporary Living Facilities, or the dormitories. Weapons must be stored in the Security Forces Armory or secured with a trusted member in an off base property or base housing. Unaccompanied officer duplexes are NOT considered base housing and weapons will not be stored there. If it is necessary to store the weapons in the armory, contact Security Forces at commercial (830) 298-5100 or DSN 732-5100 upon arriving at the base. The Security Forces Armory is available 24 hours a day. Please ensure all weapons and ammunition are secured appropriately before checking into billeting.

//Signed//
Transition Flight Commander
47th Student Squadron

Laughlin AFB, TX

What to do: First day

- Check-in at Laughlin Manor (VOQ) for temporary lodging.

  Laughlin Manor: DSN: 732-5731; Commercial: (830) 298-5731

  When you drive onto the base from the main gate (off Highway 90), continue straight on Liberty Drive until you intersect Arnold Blvd. Take a right on Arnold Blvd and proceed for one block to Fourth Street. Laughlin Manor will be the large building with palm trees on your left across the street from the BX.

- Report to the Transition Flight (Bldg 320 room A133) at 0830 Monday through Friday for further in-processing instructions. Uniform is short sleeve blues or ABUs. Here you will receive an in-processing checklist and instructions on what to do next. See pg. 15.

All incoming students will be assigned to the Transition Flight until their respective Pre-Flying Academics class start date.

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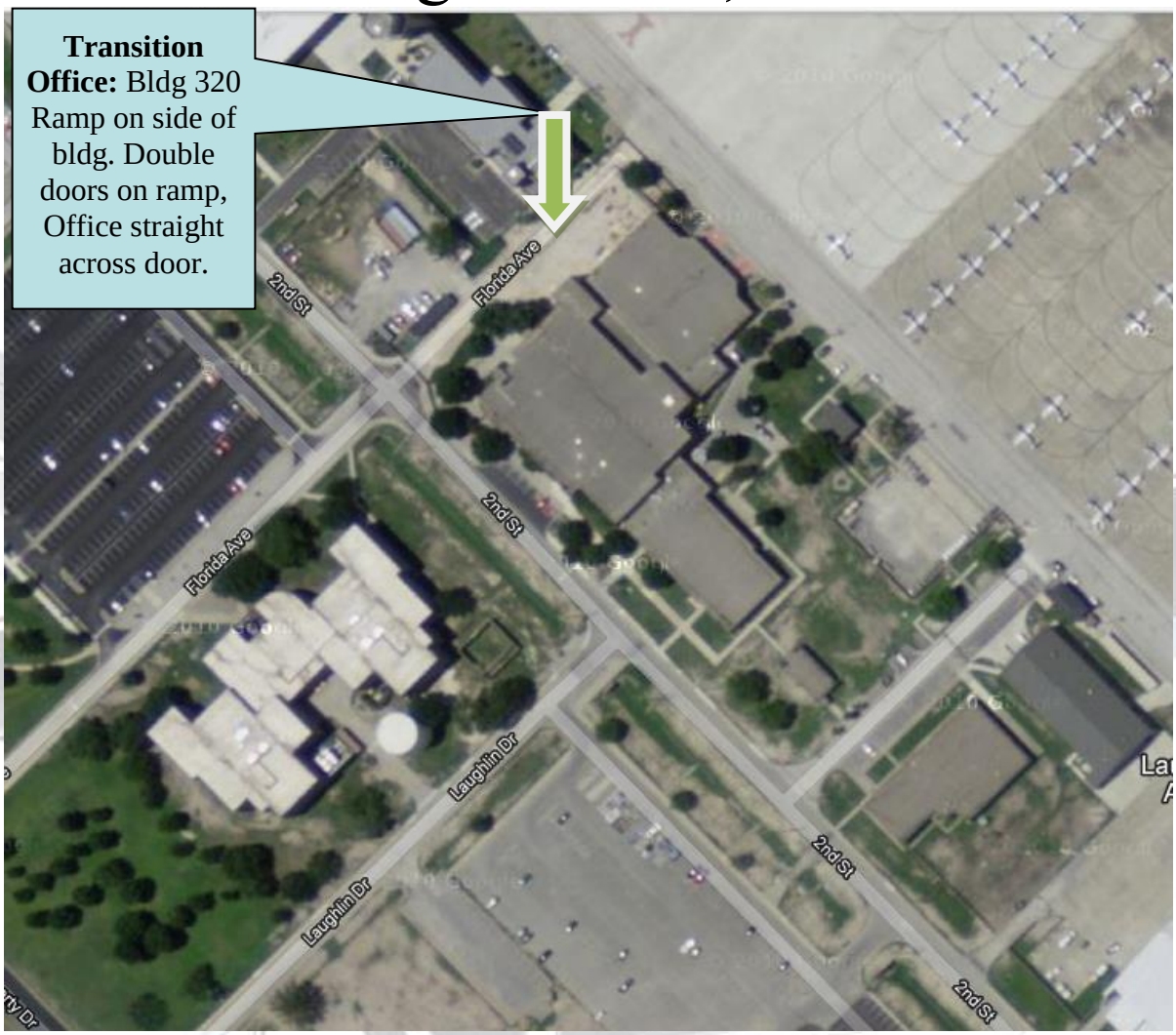

What to bring

Have the following items readily accessible for in-processing to ensure a smooth transition during the first few days:

1. 20 copies of orders (Front and Back)
2. Identification Card (Drivers license and military ID card if you have one)
3. Most recent official Physical Fitness Test scores
   Note: **You will likely be required to take another PFA shortly after arrival.**
4. Proof of car registration, insurance, and title
5. Medical, shot, and dental records (Flight Physical)
6. Traffic Management Office papers and receipts from move if applicable
7. All uniform items (Flight suits will be issued prior to Introductory Flight Screening (IFS))
8. All personnel records

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In-Processing

1. During your initial briefing with the SDOs, you will be given a schedule with a series of appointments as well as an in-processing checklist. Do not attempt to accomplish checklist items that require appointments outside of your assigned time. **It is imperative that you are on time to every appointment as any missed appointments will greatly delay in-processing and reflect negatively on you.**
2. Between appointments, begin completing the forms included in your in-processing packet. (You will be given an address during your appointment with the post office.)
3. For the High Risk Survey, list any hazardous activity you may ever do while at Laughlin. Regardless of past experience, we require listing Boating/Water Skiing as a hazardous activity as that is a very popular activity around Laughlin. The Transition Flight Commander will review this form with you once completed.
4. You will have several computer based training (CBT) programs in addition to online checklist items. Once you have gained computer access (check your in-processing schedule) you should work on accomplishing this training between appointments. Computers are available in the back room of the student squadron (STUS). You can access the ADLS website via the Air Force Portal.
5. Motorcycle riders are required to meet with the motorcycle safety rep **prior** to riding a motorcycle on base.
6. If you are planning to leave the local area (30 miles radius) you must turn in a **Form 29B** to the SDO inbox and receive a safety briefing by the Assistant FLT/CC or FLT/CC. Weekend Passes and Leave will be discussed in greater detail later in this booklet.
7. **Never forget you are an officer first. Your on/off duty actions will be heavily scrutinized. You must act as a good officer, proudly representing the USAF, no matter the time or venue. Performing to a lower standard may jeopardize your future in SUPT and the USAF.**

Life as an APT

Responsibilities
Until you begin SUPT, you will be known as an APT (Awaiting Pilot Training) student. Your first responsibility as an APT is to complete in-processing. Your checklists provided by the Transition office will help you greatly in accomplishing this task. Since you will be employed throughout the 47 FTW shortly, it is imperative to complete your in-processing checklist ASAP.

Accountability
Every day you will be required to report to the transition office at 0800 or to your job at the time directed by your supervisor. UOD for in-processing is blues or ABUs, and ABUs for the rest of the week, or as required for your APT job. On Wednesday at 0900, all APTs (regardless of job) will report to Anderson Hall in building 320 for weekly Roll Call. Roll Call is the Flight Commander's opportunity to pass along critical information to all APTs as well as receive feedback. Failure to attend either daily or weekly roll call may result in adverse administrative actions.

SDOs
Within the transition office you will find several APTs known as SDOs (Staff Duty Officers) working various projects for the Flt/CC and Assistant Flt/CC. These Lieutenants will be your first stop for any transition office related issues or questions, and are a great resource for more information.

Laughlin AFB, TX

Passes / Leave Policies

Weekends: Be aware that time off on weekends are not a given when you are an APT. If you are not assigned a job, you will be utilized by the transition office, and this may include weekends. The SDOs will give as much notice as possible in order to not interrupt any plans. When making plans for the weekend it is important to fill out a **29B**. All APTs planning on traveling beyond **30 miles** of Laughlin AFB must fill out a 29B and attend a safety briefing led by the Transition Flight/CC. Any High Risk activities will also need to be briefed by the Flight Commander. There are several weekend activities within the local area including the AF marina on Lake Amistad and countless bike and hiking trails in the local parks as well as on base. The O-Club also offers a safe environment on Friday and Saturday nights.

Passes: Passes are days which you are not required to work. Every weekend is considered a two day pass unless specifically assigned duties on either of those days. Additional passes are typically given over holidays.

Leave: Each active duty member of the USAF receive 2.5 days of leave per month. Leave begins at 1201 on the day before your first official day of charged leave to allow for travel. You must submit a Leave Checklist in conjunction with a 29B before your leave will be approved on Leave Web.

Limitations: APTs are allowed to travel anywhere in the lower 48 states on a pass if the 29B has been approved.

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Leave vs. Pass:
IAW AFI 36-3003 leave CANNOT be combined with a pass. One common occurrence is over the winter holidays. Say for example you want to head home for 20 Dec through 27 Dec. If a two day pass is given for 24-25 Dec, you will still be required to take leave over the **entire** period. (You must use 8 days of leave, rather than try to combine 6 leave days with a 2 day pass)

Negative Leave:
For those who have a legitimate and substantive need to use more leave than they have accrued, there is the option to use negative leave. Such requests must be submitted via hardcopy and will be approved by the 47 STUS/CC on a case by case basis.

Notes on Officership

Uniform Wear—As an officer in the U.S. Air Force, your dress and appearance should never be brought into question. Any deviations from regulations will be dealt with swiftly and severely. UOD as an APT is ABU's unless otherwise directed. You will not wear a flight suit at Laughlin until authorized by your Class Commander in SUPT.

Core Values—The USAF Core Values must be present in every aspect of your lives including off duty time. You are an AF officer 24/7. Every day you will experience situations in which your attitude and integrity will be tested. Your response to these situations will eventually turn into habits. Start becoming the officer that you have envisioned yourself to be.

Alcohol— If you consume alcohol, you must know when to stop. You know you have crossed the line with alcohol when you can no longer control your actions. Be aware that the repercussions for alcohol related incidents are extremely severe. Any alcohol related incident is grounds for removal from SUPT, and possibly the USAF. A DUI will result in a LOR/UIF, removal from SUPT, likely separation from the Air Force, and educational recoupment of all scholarships awarded. (For USAFA graduates, that number tops $100,000) Don't trade the chance to pilot a multimillion dollar aircraft for another three dollar beer.

The Wingman Policy—We take care of each other. This isn't just being a DD, although that is a part of it. Be the voice of reason in a sticky situation and never leave a buddy behind. **A good wingman will not only have a plan,**

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Officer Survival

Regardless of time or location, you are always an Air Force officer and there will always be consequences for the actions that you take. In order to navigate those situations and continue on the path to success, use the following guidance from the 47 STUS/CC.

I. Sanity/Safety Check— Before you do anything questionable, think to yourself, "Is what I am about to do worth the risk?" There will be times when the answer is yes, but force yourself to ask the question. ID the risks/hazards and do not accept unmitigated risk. Be prepared to accept the outcome of your decisions.

II. Equipment Check—Do you have the right tools/resources to carry out the task at hand? Is your equipment in good condition and are you prepared for contingencies? Are you up to the task at hand? Have you had the appropriate level of training and are you mentally, physically and spiritually prepared?

III. Integrity Check – If you honestly reported your actions to the 47 STUS/CC, would he be able to spot integrity issues with your conduct as USAF officer?

IV. Dignity Check – If you honestly reported your actions to your spouse, children or parents, would your conduct make them proud?

V. 60 Minutes/CNN Check – If a camera crew filmed your actions, would the subsequent TV special portray a positive image of you and the USAF to the general public?

Common Problems Experienced by APT Students

Housing: Pending your time of arrival at Laughlin Air Force Base you may need to spend more than 30 days at billeting due to overcrowding. This is often the case for lieutenants arriving from USAFA in August or ROTC Detachments in autumn. Be patient as housing is doing their best to accommodate everyone.

Firearms: There is limited space available within the armory for your firearms. It is highly recommended that you contact the base armory prior to your arrival at Laughlin AFB to ensure there is room for your weapon(s). Although it is easy to obtain a hunting license in the state of Texas, unless it absolutely needed, it is suggested that you leave your firearms at your home of record.

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Pets: Pinnacle cannot guarantee you a house with a fenced yard. Contact Pinnacle prior to your arrival.

Finance: Sometimes due to unforeseen and/or uncontrollable circumstances, pay may be delayed up to 30 days. Make sure that when you arrive at Laughlin AFB, you have the ability to financially support yourself during this time period. There is the possibility of receiving a pay advance if necessary but this option is limited to a case by case basis.

In-Processing: This process may seem redundant and often times with slow results. Please understand that each program requires time to build a package. Go to the SDOs with any question or concerns.

Base Facilities

	Hours		Phone
Laughlin Manor (VOQ)	24/7		5731
Transition Flight	M-F	0800-1630	5211
UOQ	M-F	0730-1630	5903
TMO	M-F	0730-1630	5206 or 5178
Security Forces	M-F	0900-1600	5100
*** For the Armory, call the above extension at all hours**			
Official Mail Center (OMC)	M-F	1100-1700	4310 or 5264

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Fitness Center	M-Th	0500-2300	5251 or 5326
	F	0500-2100	
	Sat-Sun	0700-1900	
BX	M-Sat	0900-1900	2111
	Sun	1000-1700	
Commissary	Mon	Closed	5822
	T&Th	1000-2000	
	W&F	0800-1800	
	Sat	0900-1800	
	Sun	1000-1700	
Subway (BX)	M-Sat	0900-1900	2600
	Sun	1100-1700	
Rio Grounds (BX)	M-F	0700-1430	422-2071
Stripes	M-Th	1100-1400	5295
	F	1400-2200	
Silver Wings (Flt Line)	M-F	0700-1600	5661
Club XL	M-F	1100-1300	5134 or 5374
Energize Café (Fitness Ctr)	M-F	0700-1700	5362

Laughlin AFB does not have a Military Dining Facility

DSN 732-**XXXX** COMM (830) 298-**XXX**

Bold Face and Ops Limits

During Introductory Flight Screening (IFS) you will be required to write and recite the following information verbatim. Visit DossIFS.com for more information.

Laughlin AFB, TX

DA20-C1 BOLDFACE

ENGINE FIRE ON THE GROUND FUEL SHUTOFF VALVE — OFF CABIN HEAT — OFF
ELECTRICAL FIRE ON THE GROUND GEN/BAT MASTER SWITCH — OFF
ABORT THROTTLE — IDLE BRAKES — AS REQUIRED FLAPS — CRUISE
ENGINE MALFUNCTION IN FLIGHT (SUFFICIENT RUNWAY REMAINING TO LAND) AIRSPEED — 60 KIAS FLAPS — LDG
ENGINE MALFUNCTION IN FLIGHT (FUEL PRESSURE LOSS) FUEL PUMP — ON
ENGINE FIRE DURING FLIGHT FUEL SHUTOFF VALVE — OFF CABIN HEAT — OFF
ELECTRICAL FIRE DURING FLIGHT GEN/BAT MASTER SWITCH — OFF AIR VENTS AND WINDOWS — OPEN
CABIN FIRE IN FLIGHT GEN/BAT MASTER SWITCH — OFF AIR VENTS AND WINDOWS — OPEN CABIN HEAT — OFF

14 JUNE 2007

Laughlin AFB, TX

DA20 OPERATING INFORMATION TABLE

Indicated Airspeeds

V_{S0} (Stall speed in LDG configuration, kts)	34
V_{S1} (Stall speed in CRUISE configuration, kts)	42
V_R (Rotate Speed, kts)	44
Lift-off airspeed (kts)	52
Forced landing final approach airspeed (flaps LDG, kts)	**55**
Min. engine-out airspeed to sustain windmilling prop (kts)	**60**
Forced landing final approach airspeed (flaps T/O, kts)	**60**
Forced landing final approach airspeed (flaps CRUISE, kts)	**64**
Normal landing final approach airspeed (kts)	60
No-Flap landing final approach airspeed (kts)	65
V_X (flaps T/O, kts) (Best angle of climb)	60
V_X (flaps CRUISE, kts) (Best angle of climb)	65
V_Y (flaps T/O, kts) (Best rate of climb)	66
V_Y (flaps CRUISE, kts) (Best rate of climb)	70
Best glide airspeed (1764 lbs) (L/D Max)	**73**
V_{FE} (flaps LDG, kts) (Max. Airspeed with flaps extended)	**78**
V_{FE} (flaps T/O, kts) (Max. Airspeed with flaps extended)	**100**
V_A (kts, 1764 lbs) (No full or abrupt control inputs above V_A or overstress conditions will occur.)	**106**
V_{NO} (Max. structural cruising speed, kts)	**118**
Force propeller to windmill if stopped, starter inop (kts)	**137**
V_{NE} (Never exceed airspeed, kts)	**164**

Maneuvering

Positive limit load factor (flaps CRUISE)	+4.4
Negative limit load factor (flaps CRUISE)	-2.2
Positive limit load factor (flaps T/O or LDG)	+2.0
Negative limit load factor (flaps T/O or LDG)	0
Max. permissible bank angle for steep turns (in degrees)	**60**

Voltmeter

Voltmeter lower limit red arc (volts)	8-11
Voltmeter caution range yellow arc (volts)	11-12.5
Voltmeter green arc (volts)	**12.5-16**
Voltmeter upper limit red line (volts)	16.1

Fuel

Approved fuel grade	100LL
Usable fuel (US gal.)	**24.0**
Fuel tank capacity (US gal.)	24.5

Weight and Balance

Max. ramp weight (lbs)	1770
Max. takeoff weight (lbs)	**1764**
Max. landing weight (lbs)	1764
Forward CG limit (at or below 1653 lbs)	7.95
Forward CG limit (1764 lbs)	8.07
Aft CG limit (1764 lbs)	12.16
Aft CG limit (at or below 1653 lbs)	12.48
Max. weight in baggage compartment (lbs)	44

Power Plant Operation

Min. idle mixture rise leaned to peak (runup/shutdown)	50
Min. rpm during engine runup idle check	975
Min. rpm for in-flight (area) idle beyond gliding range of a runway	**1400**
Min. rpm operations with fuel pump off	**1400**
Min. permissible static rpm (full throttle runup)	2000
Tachometer normal operating range (rpm)	700-2800
Max. permissible continuous rpm	**2800**
Min. rpm drop during magneto check	25
Max. rpm drop during magneto check	150
Max. rpm drop difference between magnetos	50
Max. permissible continuous bhp	125
Min. oil pressure (psi)	10
Oil pressure normal operating range (psi)	**30-60**
Max. time for oil pressure to reach 10 psi after start (secs.)	**30**
Max. oil pressure for full power operation if OAT < 0°C (psi)	70
Max. oil pressure (psi)	**100**
Min. oil temperature (°F)	75
Max. rpm after start until oil temp indication registers	**1000**
Oil temperature normal operating range (°F)	**170-220**
Min oil temp. to begin an area SFL at Area Idle (°F)	**170**
Min. oil temp for full power operation if oil pressure norm (°F)	100
Max. oil temperature (°F)	240
Min. oil quantity (US qts)	**4**
Max. oil quantity (US qts)	**6**
Fuel pressure lower limit red line (psi)	3.5
Fuel pressure upper limit red line (psi)	16.5
Max. continuous starter operation (secs.)	**10**
Max. cumulative starter op. before cooling 3-5min. (secs.)	**30**
Max. time for CHT below 300°F in descent (minutes)	5
Min. CHT (°F) takeoff & descent	240
CHT normal operating range (°F)	300-420
CHT caution range (°F)	420-460
Max. CHT (°F)	460
Max. OAT (°C) operation w/ full winterization kit	0
Max. OAT (°C) operation w/ partial winterization kit	12.5

Takeoff & Landing

Max. total wind student dual (kts)	**25**
Max. total wind student solo (kts)	**20**
DA20 max. demonstrated crosswind component (kts)	**20**
Max. crosswind component student dual (kts)	15
Max. crosswind component student solo (kts)	**10**
Max. tailwind component (kts)	**5**

Misc.

Maximum airplane structural temperature (°C)	55
Propeller approx. minimum ground clearance (inches)	10
Main landing gear tire pressure (psi)	33
Nose gear tire pressure (psi)	26
Min. OAT (°C) cabin heat not req for 10 min. before T/O	-20

Items in **red** must be committed to memory

16-Dec-10

Laughlin AFB, TX

The Laughlin Experience

The following is an overview of the training you will receive at Laughlin AFB. As stated earlier, during your **entire** tour at Laughlin, you will be under the command of the 47 STUS/CC.

I. APT—The time before SUPT starts

- Assigned to 47 STUS/DOT with the Transition Flight Commander as your supervisor, regardless of additional job throughout the wing.
- IFS—Initial Flight Screening in Pueblo, CO. TDY assignment for 3-6 weeks. Here you will fly the DA-20 in an SUPT style format. This is a screening program designed to see whether you are capable of completing SUPT. Ask other APTs for assistance and advice so you can hit the ground running. Once again, you are still under authority of Transition Flight for any non-IFS issue.

II. SUPT Pre-Flying Academic Phase (Phase I)

- On Day 1, you will be assigned a 47 STUS Phase I Flight Commander. The Flt/CC is your link to the 47 STUS chain of command and will support you throughout Phase I.
- Pre-flying academics is a 31 day academic program focusing on aerospace physiology, aircraft systems and SUPT basic building blocks.

III. SUPT Primary Phase (Phase II)

- As you transition to the Primary Phase, you will have a STUS Class Commander. You will be assigned to a Flying Training Squadron Flight Commander in charge of managing your syllabus training. Your STUS Class/CC will handle all other issues.
- Phase II is your introduction to the flightline in SUPT. The objective of Phase II is to prepare graduates for the advanced phase and future responsibilities as military officers and leaders.
- Phase II is a 90 day flight training program during which the student receives 50 hours of simulator training and 87 hours flight time in the T-6. Students receive simulator training in Basic, Contact, Instruments, Formation, IFR/VFR, and Low Level flight. There are four formal check rides: Mid-phase, Final Contact, Instrument, and Formation.

III. Track Selection

- Personal preference and final merit rank after the Primary Phase determine which track you will continue on in Advanced Phase. Merit rank is 40% check ride performance T-Score, 30% daily maneuver T-Score, 10% academic T-score, and 20% FLT/CC ranking T-Score.
- There are three tracks: T-38s, T-1s (both at Laughlin), and UH-60 (Fort Rucker, AL).

IV. Advanced Phase (Phase III)

- This is the advanced phase of SUPT during which your flying abilities continue to be challenged in each airframe. T-38s receive 30 hours of simulator training, and 90 hours of flight time. T-1s will receive 44 hours of simulator time and 87 hours of flight time.
- Like the Primary Phase, Advanced Phase pilots are graded on daily flights, check rides, academics, and FLT/CC ranking. Upon completion of this phase, students receive an assignment to a Major Weapons System (MWS), and earn their Pilot Wings.

V. Grad Flight

- Once complete with SUPT, you are assigned to the Grad Flight/CC. Be aware that your training to become operational is far from complete. You will attend multiple TDYs, **all of which take priority over personal events.** Keep this in mind when planning weddings, honeymoons, etc. Additionally, if there is a significant break before your next TDY, you will be employed throughout the wing similar to when you were an APT.
- **SERE**— This is a 3 week course at Fairchild AFB, designed to teach Survival, Evasion, Resistance, and Escape. The first week is academic instruction, the second is in the field, and the third is resistance training.

Laughlin AFB, TX

- **Water Survival** — This is a 3 day course in Pensacola, FL. The course is designed to teach the basic of survival in a maritime environment, including fishing and raft building. The first day is academics and the last two days are application.

- **Introduction to Fighter Fundamentals**— If selected for a fighter after completing the Advanced Phase, IFF is your next stop. IFF is designed to teach the basic theory and application of flying fighter type aircraft. IFF students train in the T-38 to become proficient in air-to-air and air-to-ground tactics as appropriate to their assigned aircraft.

- **FAIP**—If selected as a First Assignment Instructor Pilot (FAIP) you are assigned to a T-6, T-1, or T-38. Your next stop will be Pilot Instructor Training (PIT) at Randolph AFB, TX for the 4 month course. After PIT you will return to Laughlin AFB for a 3-4 year assignment as an instructor followed by an MWS assignment.

- **FTU**—Those assigned to an MWS will depart Laughlin AFB for their respective Formal Training Unit course (FTU). Each FTU is unique to that MWS with course lengths ranging from 5 months to 9 months. Operational Assignments follow graduation from FTU.

F-22—Tyndall AFB, FL
F-15C—Kingsley Field, OR
F-15E—Seymour Johnson AFB, NC
F-16—Luke AFB, AZ
A-10—Davis-Monthan AFB, AZ
B-1—Dyess AFB, TX
B-2—Whiteman AFB, MO
B-52—Barksdale AFB, LA
C-17—Altus AFB, OK
C-5—Lackland AFB, TX
C-21—Keesler AFB, MS
C-130—Little Rock AFB, AR
HH-60—Kirtland AFB, NM
KC-135—Altus AFB, OK
KC-10—McGuire AFB, NJ
RC-135—Offutt AFB, NB
RPA—Creech AFB, NV