









Welcome to Laughlin AFB, TX and the 47th Flying Training Wing; graduating the world's best pilots!

The 47th Flying Training Wing, located at Laughlin Air Force Base, Texas, conducts specialized undergraduate pilot training for the United States Air Force, Air Force Reserve, Air National Guard and allied nation air forces as well as a familiarization course for cadets of the Civil Air Patrol – USAF Auxiliary, utilizing the T-6, T-38 and T-1A aircraft.

By now you should have received an e-mail from CAP NHQ notifying you of your invitation to attend the 2019 Specialized Undergraduate Pilot Training Familiarization Course held at Laughlin AFB in Del Rio, Texas.

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.

TIMOTHY R. BROWN (Maj, USAFR)

Director SUPT Familiarization Course (Laughlin AFB, TX)



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Welcome!

Congratulations on being accepted to attend the Specialized Undergraduate Pilot Training Familiarization Course (SUPT-FC) being held at Laughlin AFB in Del Rio, Texas from 8-15 June 2019. Your hard work and dedication has secured you a slot in one of the most popular and competitive National Cadet Special Activities Programs in the nation.

The Activity Director for this year's program is Major Timothy Brown, a T-6 Texan II Instructor Pilot & Flight Commander previously stationed at Sheppard AFB, Texas. Major Brown is a former cadet himself and has been heavily involved with the Civil Air Patrol in the past years as a liaison officer. He is dedicated to ensuring everyone's enjoyment and maximum learning throughout this program.

This welcome package is designed to answer any of your questions regarding the program and prepare you for a successful trip. If you need to contact us regarding special circumstances or any other concerns, please e-mail suptfc19@gmail.com or visit us on Facebook for the most up to date information - Laughlin SUPT Familiarization Course.



Administrative Items

Payment

If you haven't done so already, you'll need to pay the activity fee \$485. Follow the instructions provided on-line to ensure this is accomplished properly and on time.

Travel Arrangements

You will need to provide your own transportation to San Antonio International Airport on 9 June, report to the **USO Lounge in Terminal B**. Travel UOD is civvies. If you plan on driving or taking a commercial bus or car, you have the option of meeting us either at the San Antonio airport or Laughlin AFB. If arriving to Del Rio via bus, you may need to take a cab from the bus station to Laughlin AFB (Approx. 5 miles away) as we have limited capability to pick you up. There will be a shuttle departing the San Antonio Airport for Laughlin AFB at approximately 1530 on 8 June so plan to arrive at the airport with enough time to make the shuttle with all luggage in hand. On 15 June at 0800, there will be a shuttle departing Laughlin AFB for the San Antonio Airport (3 Hour drive) so ensure return airline tickets are booked with enough time for travel to the airport (recommend no earlier than 1300).

Meals

All meals will be provided and will be on base or at a local establishment close to the base. Please let us know in advance if you have any food allergies or special dietary needs. Vending machines and the use of the Base Exchange is authorized, so feel free to bring money if you want additional snacks during the activity.

Contacting SUPT-FC

Please communicate primarily through the email address: suptfc19@gmail.com. Your primary point of contact is Major Timothy Brown. Additional information regarding the activity will be sent out as needed. On-site phone contact is available by calling Major Timothy Brown, the Activity Director, at (701) 340-2434.



Packing List

What to Bring

Use this list as a guide as the minimum to bring. We'll be pretty busy, but don't forget to bring a few things for your free time (books, magazines, etc.)

- CAP ID Card & other Government ID w/photo (driver's license/passport/mil ID/etc.)
- BDUs (black t-shirt) or ABUs (tan t-shirt) with BDU/ABU cap (no baseball cap or boonie hat)
- USAF-style blue short-sleeve uniform (no jacket, tie, ribbons or shoulder cord) with flight cap (no service cap)
- Combat boots
- Civilian clothes/hat for protection from the sun (approx. 3 outfits).
- Swim suit
- Ponchos/Rain Gear
- Athletic wear/running shoes
- Eyeglasses/Sunglasses
- Personnel Hygiene Items
- Prescription Medications
- Insect repellent
- Sunscreen/Chapstick
- Sewing Kit
- Small day pack or book bag
- Web gear with canteens or camel-type packs
- Pencil/Pen and notepad
- Camera
- Spending money *we will have T-shirts available for sale ~\$10 Each



Lodging Information

All cadets will be on-base at the Air Force Inn. Supervisors will be staying in the same building.

The facility has a laundry room available as well as a business center with a copy machine, computers, and a wireless network. For more information, please see their

website: http://af.dodlodgining.net/propertys/Lauhlin-AFB.

The rooms have:

- Color TV
- Refrigerator, coffee maker and microwave
- Private bathroom
- Iron



Social Media

In order to get the most up to date information and connect with other cadets planning on attending the event, please frequent our Facebook site:

Civil Air Patrol - SUPT-FC Del Rio, Texas

https://www.facebook.com/groups/18564819019/

'Like' the site and feel free to post on the wall with any questions or private message the event so we can resolve any concerns you may have.



Military Aircraft Flights

All cadets (regardless of age) must fill out the below forms.

Additionally, if you are below the age of 18 you will need to have your parents/guardians sign the form. There is a possibility that each cadet will get a flight in the T-1 aircraft, which is similar to a small business jet that the Air Force uses for advanced training.

Regulations require that cadets receive a brief physical and training prior to taking these flights. Parental permission slips for approval to receive a physical, training and to participate in the flights are required. These must be hand carried and turned in upon arrival.

BOTTOM LINE - NO PERMISSION SLIP - NO FLIGHT

So, please make sure these are filled out properly. Save as pdf files and e-mail to suptfc19@gmail.com

*Flights are not guaranteed, due to the wing's training timeline and CAP's low priority.



87TH FLYING TRAINING SQUADRON CADET ORIENTATION FLIGHT HOLD HARMLESS AGREEMENT AND INDEMNIFICATION AGREEMENT

	Parties
1. I.	(participant) desire to take
part in an 87th Flying Training Squadron	Cadet Orientation Flight. All references in this
document to "87 FTS" means collectively	, the 47th Flying Training Squadron, the U.S. Air
Force, and the U.S. Government, includir invitees or licensees of these respective en	ng all representatives, employees, agents, members, and ntities.
Fitt	ness to Participate
and emotionally capable to fully participa connected with the activity. I specifically property and that I may be severely injure	to the best of my knowledge, I am physically, mentally, are in this activity. I am fully aware of risks and hazards acknowledge that this activity may be hazardous to my ed or killed while participating. Aircraft flight of this and that no amount of care or skill can fully remove

INDEMNIFICATIONS

3. In consideration of the permission granted to me to compete or participate in the activity described below, I agree:

A. That I will not hold 87 FTS responsible for any harm or injury, from any cause, which may befall me related to or arising out of participating in this activity. Further, I will indemnify, hold harmless, and defend 87 FTS from all claims or actions based upon my personal injury, my death, and/or damage, loss, or destruction of my property related to or arising out of participating in this activity, including those that may be caused by the Negligence, Gross Negligence, or Willful Conduct of 87 FTS; and

- B. That I will indemnify, hold harmless, and defend 87 FTS from all claims or actions arising out of, claimed on account of, or in any manner predicated on, loss of or damage to the property of, and injuries to or death of any and all persons that were, in any manner, caused or contributed to by my Negligence, Gross Negligence, or Willful Misconduct.
- 4. It is my express intent that paragraph 3 above shall bind me if I am alive and bind my heirs, assigns, and personal representative If I am not alive. These provisions shall be deemed as a release, waiver, discharge, and covenant not to sue 87 FTS.

Applicable Law

5. This document shall be construed in accordance with the laws of the State of Texas and where the Federal Tort Claims Act, 28 U.S.C. § 2671 et seq.



In signing below, I represent that I have read this entire document, I understand it, I was given the opportunity to take it to my attorney to review, and I signed it voluntarily as my own free act. No oral representations, statements, or inducements, apart from this document, have been made to me by anyone. I am at least eighteen (18) years of age and fully competent. I execute this Release for full, adequate, and complete consideration fully intending to be bound by this act.

SIGNED on	, 201 <u>9</u>
Signature of Participant (or Parent if par	rticipant is under 18 years old)
Participant Printed Name	Telephone #
87 FTS witness signature / printed name	e



FLIGHT PERMISSI	ON SLIP
give permission for my son/daughter Cadet	to receive a brief physical
examination from the 47 FTW Flight Surgeon and appropria	e training from the 47 FTW Aerospace
Physiology specialists for the purposes of receiving a flight i	a military T-1 aircraft during SUPTFC at
aughlin AFB, TX from 10 -17 June 2017.	7-3
Printed Name	Relationship
Signature	Date





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

HEALTH QUESTIONAIRE FOR INCENTIVE FLIGHT IN NON-EJECTION AIRCRAFT

 In accordance with AFI 48-123 6.24.5.2.1-3. Incentive and orientation flight candidates scheduled to fly in non-ejection seat aircraft must complete the following health statement:

	Yes	No
Do you have any current medical problems?		
Do you have any history or serious medical problems?		
Do you take any medications?		
Any recent hospitalizations?		
Are you on a DLC? (Active Duty Only)		
Are you pregnant?		
Do you feel you need to see a flight surgeon?	-	
and the second of the second s		_

2.	Individuals making any positive responses (YES) on the health statement will be referred
	by the flying unit to the flight surgeon for review, appropriate medical examination if
	deemed necessary and medical recommendation for incentive and orientation flying.

Name (print):	Date:	
Signature:		



Boldface and Ops Limits

BOLDFACE (BF) & Ops Limits are crucial in every airframe; they serve as immediate actions required to safely recover the aircraft if needed should an emergency occur in flight or on the ground.

You will be required to quickly and correctly recall the operating limits and boldface in the first days of SUPT-FC. While there will be adequate time to commit these numbers and procedures to memory, it would be to your benefit to study these prior to arriving. Boldface and operating limits should be learned completely and correctly; every word and punctuation must be exactly as listed. Learning these now will allow you to focus on other studies while here at SUPT-FC. Please review the next four pages, blank copies are provided as a reference as to what numbers/words should be committed to memory VERBATIM.



T-62	A Boldface Emergency Procedur	res and Operating Limitations	1 Nov 11
Name	Checked By	Date Completed	
Section 1. Boldface Eme	rgency Procedures	-	
Emergency Engine Shute PCL – OFF FIREWALL SHUTO	lown on the Ground OFF HANDLE – PULL		
Abort PCL - IDLE BRAKES - AS REC	QUIRED		
AIRSPEED - 110 K PCL - AS REQUIR	The second secon		
Engine Failure During F ZOOM / GLIDE – 12 PCL – OFF INTERCEPT ELP	light 25 KNOTS (MINIMUM)		
Immediate Airstart (PM PCL – OFF STARTER SWITCH PCL – IDLE, ABOV	I – AUTO / RESET		
PCL – MID RANGE PMU SWITCH – OF	F	nded Propeller Feather PULL, IF N _p STABLE BELOW 4	40%
Inadvertent Departure F PCL – IDLE CONTROLS – NEU ALTITUDE – CHEC	TRAL		
Fire In Flight If Fire Is Confirmed: PCL – OFF FIREWALL SHUTO	FF HANDLE – PULL		
OBOGS Inoperative GREEN RING – PU	LL (AS REQUIRED)		
Eject EJECTION HANDL	E – PULL		



T	6A Boldface Emergency Procedur	es and Operating Limitations	1 Nov 11
Name	Checked By	Date Completed	
Section 1. Boldface Er	nergency Procedures		
Emergency Engine Sh	utdown on the Ground		
Abort			
Engine Failure Immed	liately After Takeoff (Sufficient Runw	ay Remaining Straight Ahead)	
Engine Failure During	; Flight		
Immediate Airstart (P	MU NORM)		
Uncommanded Power	Changes / Loss of Power / Uncomma	nded Propeller Feather	
	(left front console)	4.	
Inadvertent Departure	From Controlled Flight		
Fire In Flight If Fire Is Confirmed:			
n ine is commuted.			
OBOGS Inoperative			
Eject			



Section 2. Operating Limits	1 Jan 2013	
Engine	Starting	
Maximum Torque Takeoff / Max 100 % Transient 131 % (20 Seconds) Torque above 102 % is indicative of a system malfunction.	Starter Limit:20 Seconds Wait30Sec,2Min,5Min,30Min after each start attempt Maximum ITT1,000oC for5Sec (Do Not Attempt Restart) Maximum Oil Pressure200PSI	
Maximum ITT Idle°C	Minimum Oil Temperature°C Minimum Battery Voltage	
Takeoff / Max820°C	Pressurization	
Transient 870 °C (Up to 20 Seconds)	Normal Above 18,000 Ft MSL ± PSI	
N ₁ Idle60to61% Ground,67% (Min) Flight	Overpressurization Valve Opens PSI PSI Fuel	
Np Idle 46 to 50 % Takeoff / Max 100 %, (100 % ± 2 % PMU Off) Avoid stabilized ground operations from 62 to 80 % Np Oil Pressure Takeoff / Max 90 to 120 PSI Aerobatics / Spins 40 to 130 PSI	Normal Recovery Fuel	
Aerobatics / Spins (Idle) 15 to 40 PSI (5 Sec)	Winds	
Oil Temp	Max Crosswinds	
Takeoff / Max 10 to 105 °C Transient 106 to 110 °C (10 Minutes)	Dry Runway Knots Wet Runway 10 Knots	
Prohibited Maneuvers	Icy Runway 5 Knots	
1. Inverted Stalls 2. Inverted Spins 3. Aggravated Spins past 2 turns 4. Spins with the PCL above idle	Touch-and-Go 20 Knots Formation Takeoff / Landing 15 Knots Maximum Tailwind Component for Takeoff 10 Knots Maximum Wind with Canopy Open 40 Knots	
5. Spins with the landing gear flaps	Acceleration Limits	
or speed brake extended 6. Spins with the PMU off 7. Spins below 10,000 feet pressure altitude 8. Spins above 22,000 feet pressure altitude 9. Abrupt cross-controlled (snap) maneuvers	Symmetric Clean -3.5 to 7.0 Gs Symmetric Gear / Flaps 0 to 2.5 Gs Asymmetric Clean -1.0 to 4.7 Gs Asymmetric Gear / Flaps 0 to 2.0 Gs Intentional Spin Entry	
Aerobatic maneuvers, spins, or stalls with greater than	Minimum Altitude for Entry 13,500 Feet MSL	
50 pounds fuel imbalance Minimum Cloud Clearance 7,000 Feet above clouds		
11. Tail slides	lcing	
Airspeed Limitations	Maximum Icing Band / Icing Type Feet / Iight rime	
Max Airspeed Gear and/or Flaps 150 KIAS Max Operating Speed 316 KIAS or 0.67 Mach Full rudder deflection above 150 KIAS will exceed the limits of the rudder control system.	Ground operation is limited to ambient temperatures of to43 °C	



Section 2. Operating Limits	1 Jan 2013		
Engine	Starting		
Maximum Torque	Starter Limit: Seconds		
Takeoff / Max%	Wait Sec, Min, Min, Min after each start attempt		
Transient% (Seconds)	Maximum ITT°C for Sec (Do Not Attempt Restart)		
Torque above% is indicative of a system malfunction.	Maximum Oil Pressure PSI		
Maximum ITT	Minimum Oil Temperature°C		
Idle°C	Minimum Battery Voltage V		
Takeoff / Max°C	Pressurization		
Transient°C (Up to Seconds)	Normal Above 18,000 Ft MSL ± PSI		
N ₁	Overpressurization Valve Opens PSI		
Idle to% Ground,% (Min) Flight	Fuel		
Np	Normal Recovery Fuel Pounds		
Idle to %	Minimum Fuel Pounds (Pounds Solo)		
Takeoff / Max%, (% ±% PMU Off)	Emergency Fuel Pounds (Pounds Solo)		
Avoid stabilized ground operations fromto% Np	Minimum Fuel for Aerobatics Pounds per side		
Oil Pressure	Runway		
Takeoff / Max to PSI	Minimum Runway Length Feet		
Aerobatics / Spins to PSI	Minimum Runway Width Feet		
Aerobatics / Spins (Idle) to PSI (Sec)	Winds		
Oil Temp	Max Crosswinds		
Takeoff / Max to °C	Dry Runway Knots		
Transient to °C (Minutes)	Wet Runway Knots		
Prohibited Maneuvers	Icy Runway Knots		
1. Stalls	Touch-and-Go Knots		
2Spins	Formation Takeoff / Landing Knots		
3. Aggravated	Maximum Tailwind Component for Takeoff Knots		
4. Spins with the PCL	Maximum Wind with Canopy Open Knots		
5. Spins with the,,	Acceleration Limits		
orextended	Symmetric Clean to Gs		
6. Spins with the	Symmetric Gear / Flapsto Gs		
7. Spins below feet pressure altitude	Asymmetric Clean to Gs		
8. Spins above feet pressure altitude	Asymmetric Gear / Flaps to Gs		
9. Abrupt maneuvers	Intentional Spin Entry		
10. Aerobatic maneuvers, spins, or stalls with greater than	Minimum Altitude for Entry Feet MSL		
pounds fuel imbalance	Minimum Cloud Clearance Feet above clouds		
11 slides	Icing Seed (Icing Trees		
Airspeed Limitations Max Airspeed Gear and/or Flaps KIAS	Maximum Icing Band / Icing Type Feet / Temperature		
	Ground operation is limited to ambient temperatures of		
Full rudder deflection aboveKIAS will exceed the limits of the rudder control system.	- Table 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		



Cadet Expectations

In order to have a safe and successful activity we will maintain an environment that is a safe learning environment for everyone attending. We have identified a list of major violations that *will* result in expulsion from activity at your sole expense.

The CAP and Air Force staff reserves the right to adjudicate and punish any and all offenses, and the activity director's decision is final in case of any dispute.

- 1. Possession or use of alcohol, tobacco products, drugs, or weapons of any kind
- 2. Possession of pornography in any form
- 3. Willful damage or theft of Government, CAP, or private property
- 4. Fighting
- 5. Gambling
- 6. Honor Code violations (lying, cheating, or stealing)
- 7. Flagrantly unsafe acts
- 8. Gross neglect of duty
- 9. Improper sexual contact or other gross immorality
- 10. Being AWOL from any scheduled activity
- 11. Hazing



Graduation

Requirements

Students become eligible for graduation credit by fulfilling the standards listed below. Encampment commanders may grant credit to cadets who leave early due to a serious family hardship or injury. Cadets who choose to leave early due to homesickness or misconduct will not receive graduation credit.

- Active participation in 40 contact hours (80% of the encampment's minimum of 50 contact hours)
- Satisfactory adherence to the Core Values, in the judgment of the encampment commander
- A cumulative average of 80% on all academic quizzes / exams

Graduation

A small ceremony will occur on Friday, 15 June 2018 at approximately 1700. Family/Friends are welcome to attend as this will primarily be a team building exercise between cadets and Staff members. Meal price typically is \$12-\$15 and can be paid directly to the wait staff following the graduation dinner.



Cancellation Policy/Refunds

If you were slotted for an activity and you have found that you cannot attend, email the Activity Director, Major Brown, <u>immediately</u>. Your slot needs to be filled by a cadet who can attend as soon as possible. If you are seeking a refund, include the Refund Request Form in the email to your Activity Director.

All refunds require review by HQ CAP/CP and are subject to a cancellation fee.

Refund requests made less than 30 days prior to the start of the NCSA may be limited or reduced by as much as 100%.

Reference the NCSA web-site for the most up to date policy on cancellations/refunds.

To Do List

O	Confirm that you have paid for the activity via e-services or by mail to CAPNHQ
Ο	Complete the <u>SUPTFC Welcome Survey</u> and submit all required supplemental documentation.
O	Study your BoldFace and Ops limits!
Ο	Please let us know ahead of time if you have any food allergies so we can coordinate.
Ο	As you make travel arrangements (flight number etc.) update us at suptfc19@gmail.com so we can track your arrival.
O	Email us at suptfc19@gmail.com if you have questions!