# Initial Flight Training (IFT) Pre-Arrival Guide



## Pre-Arrival Guide Index

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1st Flying Training Squadron CAE Doss Aviation IFT

"The Gateway to USAF Aviation"

## First Things First...

All Students scheduled to attend IFT must comply with administration instructions posted in the ETCA for their particular course. Refer to ETCA HOME at https://cs2.eis.af.mil/sites/app10-ETCA/SitePages/Home.aspx

Pilot: S-V8A-S - CSO: S-V8C-S - RPA: U-P2A-A - IMS: S-V8I-S

Please be advised you may need to first clear the SSL state and cache in Internet Options and restart your browser. Also, please ensure you select your DoD Authentication certificate when prompted. If all else fails, please try Chrome and Edge.

NOTE: PRIVATE PILOT CERTIFICATE (PPC) HOLDERS OR HIGHER ARE PROHIBITED FROM ATTENDING IFT WITHOUT A WAIVER FROM AETC. QUESTIONS? CALL 19 AF/DOUA AT (210) 652-9646.

READ AND COMPLY WITH THIS <u>ENTIRE</u> GUIDE!!
FAILURE TO DO SO COULD RESULT IN YOUR REMOVAL
FROM IFT!

IF YOU HAVE QUESTIONS NOT ADDRESSED IN THE GUIDE, CONTACT THE IFT MILITARY LIAISON:

719-423-8340

Contact Information: Registrar: (719) 423-8336

Medical Techs: (719) 423-8333/8335 DOSS Lodging: (719) 423-8506 DOSS Security: (719) 423-8535

1 FTS: (719) 423-8340

1 FTS e-mail: 1FTS.MILO@L3Harris.COM

Your Mailing Address while attending IFT:

Doss Aviation Initial Flight Training C/O (First Name, Last Name & Class #) Suite 200

1 William White Blvd.
Pueblo CO 81001

### Things to do:

☐ Read this entire guide and watch the Success at IFT video via the CAE Doss website! <a href="https://www.cae.com/defence-security/what-we-do/training-centres/usaf-initial-flight-training-ift/">https://www.cae.com/defence-security/what-we-do/training-centres/usaf-initial-flight-training-ift/</a>

- ☐ Comply with pre-arrival requirements outlined in their respective sections:
  - Travel and In-Processing
    - Complete your travel arrangements in DTS NET 4 weeks prior
    - Provide your travel itinerary to CAE Doss NLT 7 days prior to class <u>arrival</u> date via form on CAE IFT website.
  - Uniforms
  - Medical and Student Pilot Certificates / RPA: Aeronautical Orders
  - Glasses if specified on Form 2808
- ☐ Memorize Boldface and Ops Limits

## 306 FTG/CC Welcome



Welcome to the 306th Flying Training Group and Pueblo, Colorado. As you walk through the doors of the 1st Flying Training Squadron, you take your first steps into Air Force Flight Training. The program you are about to enter stresses airmanship and discipline and will lay the foundation for your operational career.

I challenge each of you to make the right choices while at Initial Flight Training. This is your first chance to see how the Air Force trains its aviators. Take the commensurate steps to ensure you don't waste this opportunity. Study your academics. Prepare for your flights. Take care of your classmates and yourself. Develop the habits and discipline that will follow you through your rated career.

Most importantly, I expect you to treat your instructors and classmates with dignity and respect in accordance with our core values. Protect your integrity, strive for excellence, and remember that service to our country is bigger than any of us.

On behalf of the 306th Flying Training Group, we wish you success during your time in Pueblo and in the rest of your Air Force career.

//SIGNED//
MICHAEL R. STOLLEY, Col, USAF
Commander

## 1 FTS/CC Welcome



Congratulations on your selection for Initial Flight Training and the opportunity to become a professional military aviator. On behalf of the United States Air Force, Doss Aviation and the City of Pueblo, I would like to welcome you to the "Gateway to Air Force Aviation." Take pride in this accomplishment and remember that the same skills used to achieve this milestone will serve you well in the days ahead.

Make no mistake about it, IFT is a highly structured military flight training operation; the days are long and expectations are high. If you have ongoing medical or personal issues that may interfere with your training, you need to discuss with your supervisor whether or not this is the right time for you to attend IFT. This program may very well be the most challenging undertaking you have ever experienced. In return, you will gain skills and abilities that will be invaluable to your success in follow-on flight training.

This is a once in a lifetime opportunity. There are no second chances. Inappropriate use of alcohol, sexual misconduct, discrimination of any kind, or conduct unbecoming a military professional, will not be tolerated. Any offense of this nature will be considered grounds for dismissal.

I and the rest of my staff here in the 1 FTS want you to succeed at IFT. With a personal commitment, earnest preparation, and a positive attitude, you will. Again, congratulations and best of luck as you start your career as a military aviator.

//SIGNED//
TODD M. ZIELINSKI, Lt Col, USAF
Commander

## **Travel and In-Processing**

<u>DAY 0:</u> This is the day you are expected to arrive and in-process. <u>This is one day BEFORE the class start date on your RIP/orders.</u> If you arrive <u>before</u> DAY 0, you will be responsible for hotel expenses (off-site) and transportation costs. Plan to arrive on DAY 0 between 0900 and 1800 Mountain Time.

<u>DAY 1:</u> This is the class start date on your RIP/orders. On DAY 1 you will receive welcome briefings, start academics, and take a Boldface/Ops Limits test.

You must complete the online Travel Itinerary Form at least 7 days prior to class arrival date! It is on the Incoming Students web page.

This information is used to create your security badge and schedule airport shuttles. If you do not receive a confirmation within 24 hours, call (719) 423-8506.

#### **Driving**

- IFT is located at 1 William White Blvd, Pueblo, CO, 81001.
- Students arriving by POV need to arrive <u>NLT 1600L</u>.

#### **Flying Commercial Air**

- Fly into Pueblo Airport (PUB) or Colorado Springs Airport (COS) as a final destination. DO NOT choose Denver International (DIA).
- Students arriving by Commercial Air need to arrive <u>NLT 1800L</u>. If travel plans cannot ensure arrival by 1800L, call (719) 423-8506 to coordinate alternate arrival plans.
- Rental cars are not an authorized reimbursable expense for IFT. Use the shuttle.
- Call 719-423-8506 to confirm your shuttle reservation
  - The shuttle attendant will be located in front of the info center near the baggage area at COS and in front of the terminal at PUB.
  - If you are delayed or have trouble finding the shuttle attendant, call 719-423-8506.

#### **Lodging Note**

• Some students will be double-billeted. If you would like to volunteer for double-billeting and choose your roommate, contact IFT Lodging at 719-423-8506 no later than 2 weeks prior to your arrival. Those sharing a room must be enrolled in the same training track (i.e., Pilot or CSO).

#### **In-Processing**

- IFT staff will give you detailed in-processing guidance upon arrival.
- You need to be in uniform during in-processing; arrive in civilian clothes and then change.
- Have your CAC (with valid PIN), medical forms, and student pilot certificate (if required) easily accessible upon arrival.

#### Departure

- Students will plan to depart on the day following their checkride.
- Students graduating on a Friday after 1600 hours will out-process on the next duty day...i.e. Monday.
- Students will not be allowed to remain on-site (sympathy) to wait for another student to finish IFT. Students who drove together must be prepared leave solo or obtain independent lodging on the economy.
- Students will be allowed to stay at IFT if they experience flight scheduling or availability issues. These situations must be validated by an MTO.

## **Uniforms**

- Get flight uniforms that fit from your home station and bring them to IFT. IFT does not provide uniforms for students.
- Students attending IFT who have been issued the A2CU uniform are authorized to wear that uniform. The A2CU uniform will be worn in accordance with AFI36-2903, AFGM2018-03, dated 28 September 2018. The OCP uniform is NOT authorized.
  - All

#### students

#### bring:

- Flight suits with rank and Velcro already sewn on
- Name tags (cloth or leather)
- MAJCOM patches
- Flight boots
- Flight gloves
- Flight cap
- Conservative, non-offensive civilian clothing, including PT gear, for wear during nonduty hours and during individual PT. (Recommended)
- If any part of your training falls between 1 Oct and 30 Apr, bring:
  - Flight jacket with rank and velcro already sewn on (Required)
  - 1 pair thermal underwear (Recommended)
  - Black watch cap (Recommended)

## **IFT Rules of Engagement (ROE)**

- Do not bring any firearms to IFT (this also means NO firearms in your vehicle).
- Do not bring any pets to IFT.
- NO incense, candles, plug-in deodorizers or other personal appliances may be used anywhere at IFT.
- You are encouraged to bring personal hygiene products.
- Students should not plan to take leave while enrolled in IFT. Personal leave situations should be resolved before attending IFT. Emergency leave will be resolved on a case by case basis.
- AETC Family down days are not IFT down days.
- Students should be prepared to fly on weekends.
- Guest Hours: 1700L 2200L on Fri, 0800L 2200L Sat, Sun, and Holidays
  - IFT is a fast paced training program that demands all of your attention
  - Guests (including spouses) are not allowed outside of listed guest hours.

## • IFT Medical Requirement Breakdown

## **ALL STUDENTS REQUIRE:**

### 1. A completed and stamped 2808.

- a. Must have been stamped within 4 years of projected IFT grad date
- b. If Blue stamp states FCX (W/Waiver) waiver must be current with all waiver requirements completed/met
  - Waiver must be documented in AIMWTS (verify with home unit Flt Med)
  - If waiver requires annual updates/exams those must be due after projected graduation date or completed before attending IFT
  - If waiver requires Med Equipment they must be used during training (e.g Glasses)
  - It is recommended that you personally review your waiver prior to attending IFT to prevent any confusion.
  - You do not need to bring a copy of your waiver to IFT as we will verify AIMWTS
  - It is however highly recommended that you maintain a personal copy of your waiver for your records.

#### c. Review boxes 61, 63, 67, 76, & 77 of the 2808

- Boxes 61, 63, determine the need for corrective lenses based of visual acuity. The **STANDARD** for **UNCORRECTED VISION IS 20/20.**
- Even if your vision <u>20/25</u> in only one eye you <u>NEED CORRECTIVE</u> <u>LENSES</u> to fly at IFT.
- Box 67 is your depth perception. The standard is "Passes B". Some 2808's may say a different letter but as long as that letter is after B you are fine.
- Boxes 76 & 77 are where important diagnoses and their requirements should be listed

## d. Sitting height/Buttocks to knee measurements are in box 73.

- The Aircraft at IFT are small and you may not fit.
- As a general rule of thumb we use a SH of 39" or greater, and a BK of 26" or greater to determine if your fitment in the aircraft needs to be checked.
- Those measurements are not a hard line. Many students with measurements greater than 39"SH and/or 26"BK still fit in the aircraft.
- If you are very tall or very broad please contact the IDMT's at IFT to discuss possible fitment issues.

## e. A full 2808 is a minimum of three pages.

### 2. If you require corrective lenses to fly:

- a. You must have 2 pairs in good condition while at IFT
- b. One pair is worn during flying the other is kept on your person.
- c. They must meet dress and appearance standards of 36-2903
- d. If you are on the Air Crew Soft Contacts Lens Program (ACSCLP) it must be documented in ASIMS prior to IFT start
  - It will be in the grounding management section of ASIMS
  - We will not be able to correct this issue at IFT if it has not been documented by the flight surgeon
  - If on ACSCLP you still need one pair of glasses during training

#### e. All Corrective lenses are verified in-person at IFT

- During the week of academics all students who require corrective lenses will be identified and contacted
- An appointment will be scheduled to check your glasses at the clinic

#### 3. Must NOT be DNIF/Down

- a. This is documented on a 2992.
  - Not all students have a 2992
    - 1. Pilots don't need them here but may have one in ASIMS so double check
    - 2. All RPA students require them, see RPA only section
  - If you have been seen by a flight surgeon and have been "Downed" or placed on Duties Not Including Flying (DNIF) status, a Return To Flying Status (RTFS) 2992 must be placed prior to arrival at IFT.
  - We <u>Will Not</u> correct 2992 issues at IFT and Students that come to IFT DNIF will be returned to their home units.

# • Pilots Only Requirements:

## 1. 2808 Must be for a Flying Class 1

a. Example Stamp:

Medically Qualified for: FCI, FCIA, RPA Pilot, FCIII, GBO, ATC,(Exam), MOD (Exam)

//Signed//

**HQ AETC/SGPS (DD MMM YYYY)** 

- **b.** May have waiver requirements and will read as FCI (w/waiver) on the stamp.
- **c.** Not all Stamps are the same but ensure 2808 stamp reflects that Fly is approved

# ALL OTHER PILOT REQUIREMENTS ARE COVERED IN THE ALL STUDENTS SECTION

# **RPA Only Requirements:**

## 1. Must have FAA Flying Class III

- a. Must bring hard copy FAA FCIII
- b. FAA FCI or FCII are fine but a FCIII is the minimum
- c. FAA Flying Classes are good for five years
  - Must not expire while at IFT
- d. It Does <u>NOT</u> matter what Flying Class your 2808 (USAF Physical) is you still NEED a FAA Flying Class Physical

## 2. 2808 Must Be Stamped RPA Pilot or GBO

a. Example 2808 Stamp:

Medically Qualified for: RPA Pilot, GBO, ATC, (Exam), MOD (Exam)

//Signed//

**HQ AETC/SGPS (DD MMM YYYY)** 

- b. May have waiver requirement and will read as RPA Pilot (w/waiver) or GBO (w/waiver)
- c. Not all stamps are the same, ensure that RPA Pilot or GBO is approved

## 3. Current 2992 for Aeronautical Orders (AO's)

- a. 2992's are not a medical requirement for IFT but AO's are required for training.
- b. 2992's are created by your Flight Surgeon and are documented in ASIMS
- c. They must NOT expire while at IFT and can NOT be DOWN/DNIF 2992's.
- d. Questions about your 2992 or AO's should be directed to your home Flight Surgeon for 2992 and HARM office for AO's.

# ALL OTHER RPA REQUIREMENTS ARE COVERED IN THE ALL STUDENTS SECTION

# IFT Med Team Notes/Contact Info

- Please ensure that you have reviewed all information prior toarriving at IFT.
- While we will attempt to correct any issues with your medical clearance during in-processing there is no guarantee that we can do itwhile at IFT.
- <u>ANY</u> missing paperwork, medical equipment (aka corrective lenses), or other uncompleted medical requirements are grounds forremoval from training.
- It is recommended that you begin reviewing your medicalpaperwork and ensuring that it is in order ASAP.
- Correcting medical paperwork, completing physicals, or issuing medical equipment (glasses) may take a significant amount of timeand it is not possible to do it while at IFT. The earlier the process isstarted the less likely that you will be removed from training.
- IFT Clinic is manned by IDMTs/FOMTs. There are no Flight Surgeons on site. IFT is serviced by USAFA Flt Med but Flightsurgeons at USAFA are unable to correct issues regarding med clearances for IFT students.
- If you have any questions about requirements or anything else medical for your initial flight training please feel free to reach outusing the numbers below:

MSgt Whitfield, Toni	SSgt Becker, Nathan	SSgt Hoch, Graham
Email: toni.whitfield@us.af.mil	Email: nathan.becker@us.af.mil	Email: graham.hoch@us.af.mil
Phone: 719-423-8333	<b>Phone:</b> 719-423-8335	<b>Phone:</b> 719-423-8605
	Clinic Hours:	
	Monday-Friday, 0730-1630	)
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## **DD Form 2808 (3/4 pages)**

## **DD Form 2992**

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## **FAA Medical Exam/ Student Pilot Certificate**



## **Medical - FAA Medical Exam Reimbursement**

The SF1099A is required for reimbursement for an FAA medical examination Complete the appropriate fields of the form by typing your information in. Finance will not accept handwritten forms.

Required Fields: Section 1 A through F

This form does not need to go to your financial institution. Once filled out, you will forward it to the 306 FTG/RA (email provided as needed).

Bring the receipt for your FAA medical with you to the Day 1 IDMT brief. The receipt <u>must be legible</u>, have your name on it, and the actual receipt (not a bank statement). If the receipt is not legible, you will need to request another one from the servicing provider's office. You may scan your receipt on a white piece of paper and once complete, email your documents to <a href="free:iff-15millo@L3Harris.com">1FTS.MILO@L3Harris.com</a> to begin the reimbursement process.

#### **DIRECT DEPOSIT SIGN-UP FORM**

#### DIRECTIONS

- To sign up for Direct Deposit, the payee is to read the back of this form and fill in the information requested in Sections 1 and 2. Then take or mail this form to the financial institution. The financial institution will verify the information in Sections 1 and 2, and will complete Section 3. The completed form will be returned to the Government agency identified below.
- The claim number and type of payment are printed on Government checks. (See the sample check on the back of this form.) This information is also stated on beneficiary/annuitant award letters and other documents from the Government agency.
- A separate form must be completed for each type of payment to be sent by Direct Deposit.

 Payees must keep the Government agency informed of any address changes in order to receive important information about benefits and to remain qualified for payments.

SEC1	ION 1 (TO BE CO	DMPLETED E	BY PAYEE)		
A NAME OF PAYEE (last, first, middle initial)		D TYPE OF	DEPOSITOR ACCOUN	T CHECKIN	IG SAVINGS
		E DEPOSITO	OR ACCOUNT NUMBE	R	
ADDRESS (street, route, P.O. Box, APO/FPO)					
CITY STATE	ZIP CODE	TYPE OF Social Secu	PAYMENT (Check only o	ne) Fed. Salary/Mil. (	Civilian Pay
TELEPHONE NUMBER AREA CODE		Railroad Re	100 C	Mil. Active Mil. Retire.	
B NAME OF PERSON(S) ENTITLED TO PAYMEN	Т		Retirement (OPM) sation or Pension	Mil. Survivor Other	pecify)
C CLAIM OR PAYROLL ID NUMBER		G THIS BOX	FOR ALLOTMENT OF	PAYMENT ONLY	(if applicable)
Prefix Suffix		TYPE		AMOUNT	
PAYEE/JOINT PAYEE CERTIFICA	TION	J	OINT ACCOUNT HOL	DERS' CERTIFICA	ATION
I certify that I am entitled to the payment identified at read and understood the back of this form. In signing my payment to be sent to the financial institution nam deposited to the designated account.	this form, I authorize		nave read and understo NOTICE TO JOINT AC		
SIGNATURE	DATE	SIGNATURE			DATE
SIGNATURE	DATE	SIGNATURE			DATE
SECTION 2 (TO BE	COMPLETED BY	PAYEE OR	FINANCIAL INSTI	TUTION)	
GOVERNMENT AGENCY NAME		GOVERNMENT	AGENCY ADDRESS		
SECTION 3 (7	O BE COMPLETE	D BY FINAN	ICIAL INSTITUTIC	N)	
NAME AND ADDRESS OF FINANCIAL INSTITUTION			ING NUMBER	**	CHECK
					DIGIT
		DEPO	SITOR ACCOUNT TITLE		
	FINANCIAL INSTITU	TION CERTIFIC	ATION		
I confirm the identity of the above-named payee(s) at that the financial institution agrees to receive and dep					
PRINT OR TYPE REPRESENTATIVE'S NAME	SIGNATURE OF REPRE	SENTATIVE	TELEPH	IONE NUMBER	DATE
Financial inst THE FINANCIAL INSTITUTION SHOUL	itutions should refer to the			Y IDENTIFIED ABOV	Reset

#### BURDEN ESTIMATE STATEMENT

The estimated average burden associated with this collection of information is 10 minutes per respondent or recordkeeper, depending on individual circumstances. Comments concerning the accuracy of this burden estimates and suggestions for reducing this burden should be directed to the Bureau of the Fiscal Service, Forms Management Officer, Parkersburg, WV 26106-1328

#### PRIVACY ACT NOTICE

Collection of the information in this Direct Deposit Sign-Up Form is authorized by 5 U.S.C. § 552a, 31 U.S.C. § 3332(g), and Executive Order 9397 (November 22, 1943). Your social security number and the other information requested will allow the Federal Government to process your direct deposit. Your social security number is requested to ensure the accurate identification and retention of records pertaining to you and to distinguish you from other recipients of federal payments. This information will be disclosed to the Department of the Treasury and its fiscal and financial agents, and other federal agencies, as necessary to process your direct deposit. This information may also be disclosed to a court, congressional committee or another government agency as authorized or required to verify your receipt of federal payments. Although providing the requested information is voluntary, your direct deposit cannot be processed without it.

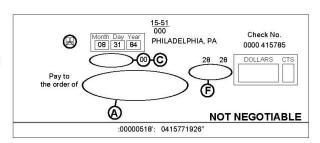
#### PLEASE READ THIS CAREFULLY

All information on this form, including the individual claim number, is required under 31 USC 3322, 31 CFR 209 and/ or 210. The information is confidential and is needed to prove entitlement to payments. The information will be used to process payment data from the Federal agency to the financial institution and/or its agent. Failure to provide the requested information may affect the processing of this form and may delay or prevent the receipt of payments through the Direct Deposit/Electronic Funds Transfer Program.

#### INFORMATION FOUND ON CHECKS

Most of the information needed to complete boxes A, C, and F in Section 1 is printed on your government check:

- A Be sure that payee's name is written exactly as it appears on the check. Be sure current address is shown.
- Claim numbers and suffixes are printed here on checks beneath the date for the type of payment shown here. Check the Green Book for the location of prefixes and suffixes for other types of payments.
- F Type of payment is printed to the left of the amount.



#### SPECIAL NOTICE TO JOINT ACCOUNT HOLDERS

Joint account holders should immediately advise both the Government agency and the financial institution of the death of a beneficiary. Funds deposited after the date of death or ineligibility, except for salary payments, are to be returned to the Government agency. The Government agency will then make a determination regarding survivor rights, calculate survivor benefit payments, if any, and begin payments.

#### CANCELLATION

The agreement represented by this authorization remains in effect until cancelled by the recipient by notice to the Federal agency or by the death or legal incapacity of the recipient. Upon cancellation by the recipient, the recipient should notify the receiving financial institution that he/she is doing so.

The agreement represented by this authorization may be cancelled by the financial institution by providing the recipient a written notice 30 days in advance of the cancellation date. The recipient must immediately advise the Federal agency if the authorization is cancelled by the financial institution. The financial institution cannot cancel the authorization by advice to the Government agency.

#### CHANGING RECEIVING FINANCIAL INSTITUTIONS

The payee's Direct Deposit will continue to be received by the selected financial institution until the Government agency is notified by the payee that the payee wishes to change the financial institution receiving the Direct Deposit. To effect this change, the payee will contact the paying agency with updated financial information. It is recommended that the payee maintain accounts at both financial institutions until the transaction is complete, i.e. after the new financial institution receives the payee's Direct Deposit payment.

#### **FALSE STATEMENTS OR FRAUDULENT CLAIMS**

Federal law provides a fine of not more than \$10,000 or imprisonment for not more than five (5) years or both for presenting a false statement or making a fraudulent claim.

## **Student Pilot Certificate Instructions**

If you obtained your FAA Class III medical and Student Pilot Certificate <u>BEFORE 1 APR</u>, <u>2016</u> bring both parts of your Paper FAA Class III medical/ Student Pilot Certificate.

If you have your student certificate in hand, bring that with you and skip these steps.

Otherwise, obtain the Student Pilot Certificate using the following procedures:

- 1. If you don't have one, create an Integrated Airman Certification and Rating Application (IACRA) account at https://iacra.faa.gov.
- 2. Create a Student Pilot Certificate Application and record your FAA Tracking Number (FTN).
- 3. Physically present yourself to a Certified Flight instructor (CFI), Designated Examiner (DE), or Flight Standards District Office (FSDO) to have them electronically submit your application to the FAA. If you are unable to locate a CFI, this last step can be completed upon arrival to Doss when you visit the MTO (military training officer) section. You will need your FTN, username, and password.

For more detailed instructions reference the "Student Pilot Certificate (SPC) Application Instructions" document on the CAE Doss Aviation IFT website.

## **Student Pilot Certificates**



For Student Pilot Certificate Questions contact 1 FTS at (719) 423-8340.

## **RPA Aeronautical Orders**

RPA students are required by AFI to be on Aeronautical Orders before their first flight. You and your HARM office should receive an email from the 12 OSS at Randolph before training to start the process. Follow up with your local HARM office to make sure they have a 2992 (medical form) for you to process your AO's. This should start happening about three weeks prior to training.

## **DA-20 Boldface**

Be able to write and speak this boldface verbatim when you arrive.

## **DA20-C1 BOLDFACE**

**ABORT** 

THROTTLE — IDLE BRAKES — AS REQUIRED FLAPS — CRUISE

ENGINE MALFUNCTION — SUFFICIENT RUNWAY REMAINING TO LAND

AIRSPEED — 60 KIAS FLAPS — LDG

FUEL PRESSURE LOSS

**FUEL PUMP — ON** 

ENGINE FIRE IN FLIGHT

FUEL SHUTOFF VALVE — OFF CABIN HEAT — OFF

ENGINE FIRE ON THE GROUND

FUEL SHUTOFF VALVE — OFF CABIN HEAT — OFF

ELECTRICAL FIRE ON THE GROUND

GEN/BAT MASTER SWITCH — OFF

ELECTRICAL FIRE IN 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

## **DA20-C1 OPERATING INFORMATION TABLE**

Indicated	Airsn	eeds	(KIAS)
muncated	MII DI	ceus	(NIAS)

marcated An Speeds (MAS)	
V <sub>SO</sub> Stall speed with flaps LDG	34
V <sub>S1</sub> Stall speed with flaps CRUISE	42
V <sub>R</sub> Rotate speed	44
Lift-off speed	52
Min. forced landing final approach speed with flaps LDG	55
Standard pattern SFL final approach speed with flaps LDG	60
V <sub>χ</sub> Best angle of climb speed with flaps T/O	60
Normal landing final approach speed	60
Min. engine-out speed to sustain windmilling prop	60
Min. forced landing final approach speed with flaps T/O	60
Min. forced landing final approach speed with flaps CRUISE	65
No-Flap landing final approach speed	65
V <sub>X</sub> Best angle of climb speed with flaps CRUISE	65
V <sub>γ</sub> Best rate of climb speed with flaps T/O	66
V <sub>γ</sub> Best rate of climb speed with flaps CRUISE	70
Best glide speed (1764 lbs)	73
V <sub>FE</sub> Max. Airspeed with flaps LDG	78
V <sub>FE</sub> Max. Airspeed with flaps T/O	100
V <sub>A</sub> Max. speed for full or abrupt control inputs (1764 lbs)	106
V <sub>NO</sub> Max. structural cruising speed	118
Force a stopped propeller to windmill if starter is inop	137
V <sub>NE</sub> Never-exceed speed	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)	12.5-16.1
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**

i ower runt operation	
RPM normal operating range (tachometer green arc)	700-2800
Min. RPM during engine runup idle check	975
Min. RPM ("area idle") if beyond gliding range of a runway	1400
Min. RPM during operations with fuel pump off	1400
Min. permissible full-throttle static RPM during engine runup	2000
Max. permissible continuous RPM if an IFT student is PF	2700
Max. permissible continuous RPM (tach redline)	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 (psl)	30-60
Max. time for oil pressure to reach 10 psi after start (sec.)	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 (sec.)	10
Max. cumulative starter operation before 3-5min cooling (sec.)	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

#### Pattern Wind Limits (KTS)

Max. tailwind dual or solo	5
Max. student solo gust spread	10
Max. student solo crosswind	10
Max. dual crosswind if IFT student is PF below 500' AGL	15
Max. student solo total wind	20
DA20-C1 Max. demonstrated crosswind component	20
Max. dual total wind if IFT student is PF below 500' AGL	25

#### Misc.

Max. aircraft 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

20 OCT 2018

Items in **bold** type must be committed to memory.





## **Doss Aviation IFT**

1 William White Blvd Pueblo, CO 81001

Doss Main Directory: 719-423-8600 Doss/1FTS Fax: 719-948-2822