



VIRTUAL UNITED STATES AIR FORCE AIR EDUCATION AND TRAINING COMMAND INITIAL FLIGHT TRAINING - M1 RATING

Congratulations on advancing to the next phase of vUSAF pilot training. The purpose of this sortie is to provide an opportunity to demonstrate your airmanship skills. During this sortie, you will showcase your basic knowledge and capabilities in controlling your aircraft in a VFR flight.

All vUSAF AETC training flights must be conducted online via VATSIM unless a waiver is issued by the AETC Commander. When filing a flight plan on VATSIM, include a remark stating: 'Student Pilot for vUSAF VSOA' so ATC is aware of your training status.

Prerequisite: Before starting the flying portion of the training for this rating, all associated academic materials must be thoroughly reviewed, and the 10-question open-book quiz must be completed with a score of **90% or higher**. This requirement must be met **prior to beginning any other sections** within this document.

Simulator Requirements

Ensure the following settings are applied in your simulator:

- All realism settings set to 'Realistic'
- Real World Weather enabled (for realistic training scenarios)
- Autopilot use is **prohibited** unless otherwise specified

IFT-101: VSOA M1

Location: Laughlin AFB, Texas (KDLF)

Aircraft: T-41 (C-172), T6 Texan II, or T-53A (SR20/22 - DA20/40)

Time & Weather Requirements:

- Flight must be conducted during daylight hours
- VFR conditions required
- Real World Weather enabled (assess and apply the 'Go/No-Go' decision)

Required Software: JoinFS/FSRecorder, SimAcars & VATSIM client.

Required Charts: KDLF Airport Charts

Performance Tolerances: Heading ± 5 degrees, Altitude ± 100 ft

Preflight & Departure

- Claim your training flight via: www.vusaf.us/events/
- Begin at KDLF ramp in a cold and dark aircraft.
- Start JoinFS/FSRecorder, SimAcars, and VATSIM client
 - VATSIM CALLSIGN: AXXXX
 - Flight Plan Remarks: vUSAF.us Student Pilot / vUSAF Initial Training Flight 101
- Check METAR/TAF for weather conditions and determine the appropriate runway.
- Conduct a full preflight inspection and engine startup.
- Taxi to the active runway (13R/31L)



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Takeoff & Circuits

Short Field Takeoff:

- Use V_x (68 mph / 59 kts) for maximum performance climb.
- Maintain Pattern Altitude: 2081' MSL and complete 1 circuit in the pattern.
- Use CTAF for all position callouts: 'Departing, Crosswind, Downwind, Base, Final'.
- Accomplish a *Full Stop Short Field Landing* on Active Runway.

Normal Takeoff:

- Taxi/hold short of runway.
- ATC Communication: "Request VFR departure to RSG VOR for maneuvers."
- If ATC is online follow their directions, otherwise accomplish the following departure procedure:
 - If using Runway 31L, depart at V_y (91 mph / 79 kts), turn right 45° and then right to heading 130° once clear. Once Midfield KDLF turn left to heading 027°.
 - If using Runway 13R, depart at V_y (91 mph / 79 kts), fly runway heading, then turn left to 027°.

Enroute Phase & Maneuvers

Enroute Procedures:

- Tune RSG VOR and climb to 3,500 ft MSL.
- Intercept and track the RSG 200° radial to 34 DME.
- At 34 DME, turn left to 300° and perform the following maneuvers within tolerances.

Maneuvers:

Steep Turns:

- Perform one left and one right steep turn with a minimum of 45° bank.
- Maintain altitude ± 100 ft and exit on the same heading.
- Execute clearing turns before entering steep turns.

Slow Flight & Stall Recovery:

- Enter slow flight at 1.2 V_{so} , maintain altitude, heading, and airspeed.
- Induce a stall by increasing back pressure.
- Recover using coordinated rudder, reducing AOA, and adding full power.
- Once complete, if ATC is online, request: "Vectors for a practice ILS approach full stop"

Approach & Landing

- At 44NM DME from RSG, turn left to heading 160° and intercept KDLF 13C ILS.
- Execute a stabilized approach and full stop landing on 13R/31L.
- After landing, exit the runway, taxi to parking, and perform engine shutdown.



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Post-Flight & Training Review

- Save your recorded flight as:
 - '[Your Name]_IFT-101' and submit to instructors@vusaf.us
- Submit PIREP via SimAcars.
- Await instructor feedback for evaluation and next training steps.

Training Completion & Standards

Pass/Fail Criteria:

- Altitude maintained within ± 100 ft.
- Heading maintained within $\pm 5^\circ$.
- Proper radio communication and CTAF calls.
- Safe and controlled maneuver execution.

Upon successful completion, you will receive a progress evaluation and be cleared for the next training phase.