• Indicators • Throttle • Mixture • Each Tank 12 Shutdow • ELT che • Avionics • Electrical • ACL Strobes • Throttle • Mags• off	► Mags. key ► Tach Time ► (Standby Alternator) ► Master ► Plight Plan ► Hobbs Time ► Under Seats		**Youngard
• Mixture 1-3 sec • Cold • Mixture 3-5 sec • Throttle 0.4" • Mags. start • Mixture rich • Mixture 16an (peak) • With Pressure 15 sec • Electric Pump off • Alternators on • Engine Indicators check	-Taxi -UP, -as -zer -yFD/bak -rel(-rel)	► Canopy/Door lock ► Door Warning off ► Flight Controls check ■ Instruments ■ Alternate Static check ■ GPS/System/Ann. check ■ AP MET/HDG ■ Heading/Altitude set ■ Com/Nav/FPL set ■ MFD Range/Track Up set	. as r (3 - 2 (3 - 175 r ernatu)
DA4D-1AD (Ted Yin vl.1) Ground Operations Initial Papers A.R.O.W. Fire Extinguisher check Mags. key out Electrical coff Avionics off Mixture off Prop Mixture idle cutoff Throttle idle	Check & set Pitot Is free & cor Time Walkaround il test/sa ains/Vents ss/Controls L/Antennas ir Intakes x3 Static/Stall /Tires/Brakes	• Ties/Chocks • Canopy/Door • Final Walkaround Pre-Start • Rear Door secure • Canopy pos. 1/2 • Seat Belts on test/set • Circuit Brkrs. check	• Strobe (ACL) on • Avionics off • Essential Bus off • Mixture idle cutoff • Prop high RPM • Friction adjust • GLOOD DB Date check • Fuel Selector least Stant • Throttle Least • Electric Pump on

Pitot Heat	76-59 KIAS Flaps 7/0 76-60 KIAS Safe Altitude 7/0 76-60 KIAS Safe Altitude 7/0 UP Prop as required off st. EGT Lights as required s required Cruise Climb 7/0 Full Post-Landing 7/1 Frottle 1000 RPM 1	Prop high RPM Bat Belts secure laps as required <pre> <pre> <pre></pre></pre></pre>	Pitot Heat as required ▶ "CGUMPSF" ► Longer F (Air Conditioner off) • G Fuel Selector • Short F Review Airspeeds • M Nixture rich • Windmill
	• Mixture idle cu • Mags • Master	RPM AITSpeed // U-BU KLAX Cure Mags. both ired Slowly richen KIAS Stationary Restart KIAS Airspeed BU KIAS ired Electrical off General Avionics off Mags. Start Mags. Start Engine-off Landing Fuel Selector off	

(5,727 (Ted v1,.2)	▼ Mixture3/4 rich	Takeoff
nitial	lear!"	▼" inhts. (amera. Action"
III O B A	▶ Mags• ·····start	/Throttle
1 Lock	tle	► Engine Instgreen
	ne عا د ادراً	55
eidle cu	▼ Volts/Amps [L>EB] [L>U] ▼ Mixture lean for taxi	► Vx···· L2 kts، Vy···· 74 kts
)▶ Throttleidle ▶ Avionics	ive_Tavi	Climb / Cruise
toff	1 VD -	► Cruise Climb···· 75-85 kts
	Ch	• Flaps
	3	
▶ Fuelnote		►Flow Check (~15 min)
▶ Flapsdown	▶ Fuel Totalizer enter	• Fuel, Trim
/Pitot	► ATIS ······ PFD/backup/AP(?)	_
cs on/off f	▶ Radio test	■ Mixture, Inrottle
· · · · · · · · · · · · · · · · · · ·	► Transponder ·····squawk	• Master, Mag., Pump
► Hobbs Timenote	► Check ······· TC/AI/HSI<->MC	Descent
Walkaround	► Clearance ······obtain	► Mixture richen slowly
► Fuel/0ildip/sample	▶ Brakes ······ test	► Throttle as required
ins/Vent	Run-Up	►Flow Check
► Surfaces/Controls	▼ Brakes	Pre-Landing
► Exhaust/Antennas	1+4	ATTS / Comments / Comm
► Prop/Belt/Air Intake	Alfodous	MAILS/ RWYS & Patterns
Pitot/Static/Stall	:	
► Gear/Tires/Brakes		Fuel
▶ Ties/Baggage Door	1 + 1	Mixtu
▶ Final Walkaround		Seat Belts ····
Pre-Ntant		laps ····· as
		► rımas required
eat Track	Sugs Pan/aca	► Approach ······· &D-L5 kts
	MEN REPORT / LINE I ESC.	Post-Landing
rkrs•	Mainge/11 ack	Throt+1e Throt
	Mixture Asia	
► Beaconon	<u>a.</u>	
		Hoat
► Fuel both		ַבְּפֵּרָר
Start		ע יי
▶ Stby. Battery ···· test/arm	Throttle	a)L
a.		
► Volts [E>24] [M<1.5]	V (Shutdown
► Amps S<0/ann on	בם לרוסלסמב	► ELTcheck (1,21,.5)
▶ Prime:	Abab nariarieza ori	► Avionics ······ off
• Mixture idle cutoff	Pre-Takeoff	► Lights off
	► Abort Plan/Lost Comm.	• Beacon on
		► Throttlelooo RPM
• Throttleslight	► Flaps	► Mags off then both
	▶ Mixture ············	► Mixtureidle cutoff
■ Mixture prime	► Aux • Pump	key
·warm: 0-3 sec	▶ Pitot heatas required	
: 3 - 5 sec	w Airspeed	Time
■ Aux. Pumpoff	▶ Timenote/start	▶ \tby. Batteryoff

Flight Planning Checklist (Ted Yin v0.5)

AWC https://aviationweather.gov/ Windy https://www.windy.com/

COD https://weather.cod.edu/satrad/ Before Go

► ADSB Handheld····off

- ► ATIS/Tower/Ground Frequencies
- ► Runways and Pattern
- Rwy Length
- Multiple Rwys?
- TPA & Directions
- ▶ Descent and Approach Plan

► Flight Bag

► PPL & Med & Driver's License ► Leidos (1800wx) Briefing ► This Sheet

- Slow Down (engine cooling)
- Reach TPA in time with stable rate
- Terrain Hazards
- ► Taxiways and FB0 (Refueling)

► "IMSAFE" & "PAVE" ▶ Water & Energey Bars ► iPad: foreflight pack up ► Garmin inReach Beacon

- ► Emergency Landing during T/0 ► Obstructions/Mountains
- ► Airport Guide (check website)

Route

- ► Cruising Altitude
- Westerly vs. Easterly (even/odd kft)
- Glide Range
- Terrain Separation (e·g· 2000+)
- Cloud Clearance (Detour?)
- Climb Performance & Oxygen
- ◆ Obstructions
- ► Flat Land vs. Mountains
- ▼ SUA/TFR Highway is a good start
- ► Fuel Reserve & Diversions

Aircraft

- ▶ Fuel
- ▶ Weight and Balance
- CG before/after the flight
- ▶ T/0 & LDG distance to clear obstacles

- ◆ Airports Ceiling
- Visibility
- Wind (crosswind, gusts)
- Density Altitude
- ► En Route
- Cloud Base & Coverage
- Wind Aloft
- Icing (freezing point, day/night?)
- AIRMET & SIGMETs
- . H
- · Convective Weather
- ► Global Picture · Known Icing Conditions
- Fronts
- Satellite Image (trend of moisture)