DA40-180 (Ted Yin vl.0)	► Electric Pumpon	• MFD Range/Track Up ··· set
Ground Operations	r	Instruments
Initial	■ Mixture	Lights as required(ADSB Handheld on)
► Papers A.R.O.W.	• Mixture 3-5 sec	
inguisher ···· ch	_ · · · · · · · · · · · · · · · · · · ·	► ELTcheck (1,21,.5)
▼ Mags key out	(lear!"	
	■ Mixtino	rical
▶ Essential Busoff	ThrottleRPM	Throttle Junu RPM
eidl	lea	off t
idh	▶ Oil Pressure 15 sec	idle cı
[► Electric Pumpoff	► Mags key out
Flaster On		Time
}	Inst ch	ernator
Pump	Fuel Pressure · 14-35 psiVolts/Amps ··· 25-3UV/2-75A	► Master off
	Pro-Tavi	د
Master find a connect	Flans	▼Flight Plan
	S	▶ Under Seatscheck
Jatkaro	▶ Fuel Totalizer enter	▶ Gust Lockon
► ruel/011test/sample	PFD/backı	▶ Pitot Coveron
▼ Caps/ Drains/ Vencs		ocks
▼ Ctall Ctrins/Fairings	der.	► Canpoy/Door ······ lock
	··· TC/AI/H3	oded Engine
► Prop/Air Intakes x3	:	Pump
	► Brakes ······· release/test	a)
▶ Struts/Tires/Brakes	Run-Up	tlemid pos
► Ties/Chocks		
► Canopy/Door		: tires:
► Final Walkaround	y/Door	
Pre-Start	► Door warning	Italian up normal start
▶ Passengerbrief		
Joo		
► Canopy pos. 1/2	► Engine	
	• Fuel Selector fullest	ட
► Brakestest/set		• Vg · · · · · · · · · · · · · · · · · ·
	.le	(d
S	Prop x325	Climb(T/0) ···· b7/bb/bD/54
1 Bus	·፡፡. – ····	 Approach
idle cut	Alternate Air checkTrainstons	
► Prophigh RPM		
莅]]	7)/F)
(Battery)		
▼ Kudder Pedalsadjust ▼ GlOOO DR Daterherk	. Tank	s (8
Selector	► Full (heck (initial)	> @ 1 16 ·····
Start	».Yarıc	▶ Steep Turn: <=45°, >=68
► Throttle]2"	뿐	

Fire partic	Pitot Heat	Prop
• Mags	00T 09J 09J	E7- Id const. Id const. It. Id. Id. Id. Id. Id. Id. Id. Id. Id. Id
.:: <u>-</u> " <u>"</u> <u>o</u> " <u>o</u>	Propher high Factor Sector Seat Belts Sector Sector Frights As required to the Approach Speed 73. (Air Conditioner 73.	Takeoff PLights, Camera, Action Electric Pump
	Mixture richen slowly Mixture richen slowly Throttle as required Prop 1800-2400 RPM High Altitude pump on CHT Cool Down <= 50°F (22.8°C)/min. Pre-Landing ATIS/Rwys/Approach Plan "CCGUMPSF" G Fuel Selector M Mixture rich Pump on	In-Flight Operations Pre-Takeoff Abort Plan/Lost Comm. Canopy/Door lock Trim 7/0 Fuel Selector fullest Flaps 7/0 Fruel Selector 6/1

(5,725,000 (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 + 1	Mixtu
▶ Final Walkaround		Seat Belts ····
Pre-Ntant		laps ····· as
		► rımas required
eat Track	Sugs	► 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)t
a.		
► Volts [E>24] [M<1.5]	עת	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)