

POH/AFM takes priority over this checklist.

CESSNA T182T G1000KAP140 A/P, CONT. FLOW 02 SYS.

NORMAL OPERATIONS

EMERGENCY PROCEDURES (REVERSE)

Updated October 19th, 2022

RUNWAY ENTRY

Time for Lights, Camera, Action, Traffic

Timer		START
Lights	LANDING & STRO	BES ON
	VERIFY CC	
Prop Control		FULL IN
Traffic	. VERIFY RWY/APCH	CLEAR
Runway Number	C0	ONFIRM
Heading/Compa	ss MATCHI	ES RWY

NORMAL TAKEOFF

Flaps 0	°-20° (10° PREFERRED)
Throttle	FULL
Engine Instruments.	"GREEN"
Engine RPM	. AT LEAST "2300 RPM"
Airspeed	"ALIVE"
Rotate	55 KIAS "ROTATE"
Climb	80 KIAS

SHORT FIELD TAKEOFF

Flaps	20°
Brakes	HOLD
Throttle	FULL
Mixture	ADJUST TO 24 GPH
Engine Instruments.	"GREEN"
Engine RPM	AT LEAST "2300 RPM"
Brakes	RELEASE
Airspeed	"ALIVE"
Rotate	50 KIAS "ROTATE"
Climb	60 KIAS
Obstacle	CLEARED
Flaps	UP WHEN >70 KIAS
	80 KIAS

SOFT FIELD TAKEOFF

Flaps	20°
	NONE
Control Wheel	FULL AFT
ThrottleSI	LOWLY ADVANCE FULL
Engine Instruments	"GREEN
Engine RPM	AT LEAST "2300 RPM"
Airspeed	"ALIVE
Main Gear	LIFT OFF
Pitch	NOSE OVER
Ground Effect	MAINTAIN TO 60 KIAS
	UP WHEN >70 KIAS
Climb	80 KIAS

AFTER TAKEOFF (400' AGL)

Airspeed	90-100 KIAS
Power	25" / 2400 RPM
Mixture	16 GPH
Flaps	UP
Engine Instruments	GREEN
Cowl Flaps	AS REQ'D
O2	AS REQ'D
Landing/Taxi Light	AS REQ'D

CRUISE

Power	15-28" / 2300-2400 RPM
Trim	AS REQUIRED
Engine Instrumer	ntsCHECK
Cowl Flaps	CLOSE
Mixture	LEAN AS REQUIRED
EGT 50°F/30°	C Rich of Peak or Max TIT

PRE-MANEUVER CHECKS

PRE-IVIAINEOVE	K CITECKS
Clear the area	CHECK
HeadingESTABL	ISHED & BUGGED
Altitude ESTABL	ISHED & BUGGED
Place to land	CHECK
Set Power & Config	CHECK
Fuel Selector	BOTH
 Mixture 	RICH
 Lights 	ON

DESCENT / APPROACH

ATIS/AWOS	CHECK
Altimeters	SET
PFD, Standby,	KAP140 A/P
Clearance	OBTAIN
Radios/GPS	TUNE/IDENT
Approach Briefing	COMPLETE
Fuel Selector	BOTH
Lights	AS REQUIRED
Cowl Flaps	CLOSED
Mixture	SLIGHTLY ENRICH

PRE-LANDING

Fuel Selector	BOTH
Mixture	RICH
Prop Control	FULL IN
Lights	AS REQUIRED
Flaps	AS REQUIRED
Seatbelts	

NORMAL LANDING

Flaps	FULL
Airspeed	65 KIAS
Touch Down	MAIN WHEELS FIRST
Brakes	MINIMUM REQUIRED

SHORT FIELD LANDING

Flaps	FULL
Airspeed	60 KIAS
Touch Down	MAIN WHEELS FIRST
Flaps	UP
Brakes	MAXIMUM
Control Wheel	FULL AFT

SOFT FIELD LANDING

Flaps	FULL
Airspeed	65 KIAS
Touch Down	NOSE HIGH WITH PWR
Brakes	NONE
Control Wheel	FULL AFT

AFTER LANDING

2.11	
Flaps	UP
Mixture	LEAN 1"
Elevator Trim	SET FOR TAKEOFF
Cowl Flaps	OPEN
Timer	RESET / START
Lights	LANDING / STROBES OFF
	CONTACT GND / CALL CLR
Flight Plan	CLOSE IF REQ'D

SHUTDOWN / SECURE BrakesAS REQUIRED

Avionics Master	OFF
Timer	>2 MIN.
Mixture	IDLE/CUTOFF
Wait for engine	
Magnetos	OFF / REMOVE KEY
Tach Time	RECORD
Standby Batt	OFF
Master Switch	
Fuel Selector	LEFT OR RIGHT
Control Wheel Lock	INSTALLED
Aircraft	TIE DOWN
Windshield	CLEAN AS REQ'D
Chocks	AS REQ'D
Aircraft Log	COMPLETE
Cowl Plugs/Covers	INSTALLED
Cowl Flaps	CLOSED

SPEEDS

0. 2220	
V _R	55 KIAS
V _X	64 KIAS
V _Y	84 KIAS
V _{FE}	100 KIAS
V _A (3100 / 2100 lb)110	/ 91 KIAS
V _S	51 KIAS
V _{SO}	41 KIAS
Pattern	
Abeam Numbers	85 KIAS
Base	. 75 KIAS
Final	65 KIAS
V _G	75 KIAS
Glide distance1.5 NM	/ 1000 FT.

FREQUENCIES

Potomac Approach	
Potomac (SFRA West)	127.325
Potomoc	128.525
KHEF (Manassas)	
ATIS	125.175
Tower	133.1

	EPREPARE TO EXIT	ELECTRICAL FIRE IN FLIGHT
Yellow highlighted items are immediate activities that should be committed to memor	Mixturo OEE	Master Switch OFF
items that should be committed to memor	Mags OFF	Vents/Cabin Air/HeatOFF
ENGINE FIRE BURING CTARS	Standby BatteryOFF	Fire ExtinguisherACTIVATE
ENGINE FIRE DURING START	Master Switch OFF WHEN ABLE	Avionics Master Switch OFF
Cranking CONTII	DOGIO	All Other SwitchesOFF
If Engine Starts	Passenger BriefCOMPLETE	Cabin VENTILATE
Throttle 1800 RPM FOR 20		Master Switch ON
EngineSHUTDOWN AND INSP	Mixture	Circuit BreakersCHECK
If Engine Fails To Start	Fuel Shutoff ValvePULL OUT	Avionics MasterON
ThrottleFULL O	EN Master Switch OFF	Electrical Equip ON ONE AT A TIME
MixtureIDLE CUT	OFF Cabin Heat and AirOFF	PFD1 OR MFD1 COOLING
Cranking CONTI		ANNUNCIATORS
Fuel Shutoff ValvePULL (UT Forced Landing FXFCUTE	Cabin HeatREDUCE
Fire ExtinguisherOB	AIN	Forward Avionics Fan FEEL FOR AIRFLOW
EngineMASTER AND IGNITION		Fan has Failed
Aircraft EVACU		Fan has Failed Standby Battery SwitchOFF
Fire EXTINGL		Standby Battery Switch OFF
Damage INSP		Annunciator Doesn't Go Off in 3 min
ENGINE FAILURE PRIOR TO	Cabin VENTILATE Land AS SOON AS POSSIBLE	Land AS SOON AS PRACTICAL
TAKEOFF	LandA3 300N A3 F033IBLE	LIGHT SIGNALS (CDOUND)
	WING FIRE	LIGHT SIGNALS (GROUND) Cleared for Takeoff STEADY GREEN
Brakes AF		Cleared to TaxiFLASHING GREEN
Flaps RETR		Stop STEADY RED
MixtureIDLE CUT	OFF Strobe Lights OFF	Taxi clear of runway FLASHING RED
Ignition Switch	OFF Side slip to keep flames away from the fuel tank	Return to airport starting point
Radio CallIF A	BLE and land as soon as possible. Only use flaps as	FLASHING WHITE
Standby Battery	regained for initial approach and teachacting	General Warning, Exercise Caution
Master Switch		ALTERNATING RED AND GREEN
ENGINE FAILURE IMMEDIATE	EXCESSIVE AMMETER CHARGE	
AFTER TAKEOFF	Master Switch (Alt Only)OFF Electrical LoadREDUCE AS FOLLOWS	LIGHT SIGNALS (FLIGHT)
Airspeed Flaps Up		Cleared to Land STEADY GREEN
Airspeed Flaps Down73 P		Return to LandFLASHING GREEN
Landing Site		Give way and CircleSTEADY RED Do not landFLASHING RED
MixtureIDLE CUT		General Warning, Exercise Caution
Ignition Switch	FF Land AS SOON AS PRACTICAL	ALTERNATING RED AND GREEN
Flaps AS REQUI	ED	TELEVITORES / WEST OFFICER
Radio CallIF A	LOW VOLTS ANNUNCIATOR	POWER SETTINGS
Standby Battery		Climb25" / 2400 RPM
Master Switch		Cruise
DoorsUNLA		Descent
ENGINE FAILURE DURING	Master Switch ON	Precision Approach19" / 2400 RPM
	Ammeter CHECK	Non-Precision Approach 12" / 2400 RPM
FLIGHT	BATT Volts CHECK 27.5 MIN	Pattern 19" / 2400 RPM
3 turns nose-up trim. 68 KIAS	Ammeter	Abeam Numbers12" / MAX RPM
	Master Switch (ALT Only) OFF	DIVOTAL ALT/=::==
BBEST PLACE TO LA	Electrical Load	PIVOTAL ALTITUDE
CCHECKL		Approximate
Fuel SelectorBo	<mark>TH</mark> All Lights OFF	Groundspeed Pivotal
Mixture F	CH Comm 1 and Nav 1 TUNE TO ACTIVE	Altitude
Throttle ADJ		Knots MPH
Fuel Pump	<mark>ON</mark> LandAS SOON AS PRACTICAL	87 100 670
MagsL/R/B		91 105 735
D DECLA	RE ALLURE (DED Y ON DED)	96 110 810
MaydayON 1	1.5 FAILURE (RED X ON PFD)	100 115 885
Squawk7		104 120 960
	Opens again, do not reset and use standby	109 125 1050
	instruments.	113 130 1130
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CESSNA T182T G1000 KAP140 A/P, CONT. FLOW 02 SYS. PREFLIGHT CHECKLIST

Updated October 19th, 2022

COCKPIT SAFETY CHECK	
Magnetos	OFF, KEY OUT
Mixture	IDLE CUTOFF
Throttle	CLOSED

CABI	
Keys	PLACE ON DASH
Documents	S.P.A.(R.)R.O.W.
Supplements	CHECK
G1000 Manual	
Placards	
Airworthiness Cert	
Radio Station Lic	
Registration	
P.O.H/A.F.M	
W&B Info	
Hobbs Meter	
Fire Extinguisher	,
Control Wheel Lock	
Ignition Switch	
Avionics (Bus 1 & Bus 2)	
Master Switch	
PFD	
Fuel Quantity	SET
LOW FUEL L & R Annun	
OIL PRESS Annun.	
LOW VACUUM Annun	
Avionics BUS 1	
Avionics BUS 2 Alternate Static Source	
O2 Supply Pressure O2 Masks	
Fuel Selector	
Cowl Flaps	
Elevator Trim	
Flaps	
	LATEIND

Cabin checklist continues

Pitot Heat	CHECK AS REQ'D
Exterior Lights	CHECK AS REQ'D
Stall Warning	CHECK
Master Switch	OFF

LEFT	WING
Door Pins	INSPECT
Cabin Vents and Inlets	INSPECT
Leading Edge	INSPECT
	REMOVE
Main Gear/Tire/Brakes	INSPECT
Pitot Tube	. CHECK UNBLOCKED
Fuel Vent	CHECK UNBLOCKED
	INSPECT
Left Aileron	INSPECT
	BOLTS SECURE
Weights	INSPECT
Static Wicks (x2)	INSPECT
Flaps	INSPECT
Rod	INSPECT

EMPENNAGE Baggage DoorLOCKED Skin and RivetsINSPECT Vertical StabilizerINSPECT Left Horizontal StabilizerINSPECT Left ElevatorINSPECT Weight..... SECURE Hinges..... SECURE Cables...... SECURE Static Wicks.....SECURE (X2) Rudder INSPECT Hinges...... SECURE Cables..... SECURE Static Wicks.....SECURE (X2) Tail Tie DownREMOVE Right ElevatorINSPECT Cables...... SECURE Trim Tab.....INSPECT Hinges..... SECURE Weight...... SECURE

RIGHT WI	NG
Door Pins	INSPECT
Cabin Vents and Inlets	INSPECT
Leading Edge	INSPECT
Wing Tie Down	REMOVE
Main Gear/Tire/Brakes	INSPECT
Wing Tip/Nav Lights	INSPECT
Right Aileron	INSPECT
Hinges (x3)	
Weights	INSPECT
Static Wicks (x2)	INSPECT
Flaps	INSPECT
Rod	

NOSE AND COWLING Windshield A/P Static PortCHECK UNBLOCKED Oil Level CHECK Cold: ≥ 6 Qts, Warm: ≥ 5 1/2 Qts \leq 10 hrs to mx: \geq 5 Qts Do Not Over Tighten Oil Cap Oil Access Door SECURE Engine Cowling SECURE No Consecutive Fasteners Missing Prop/SpinnerINSPECT No Cracks, No Screws Missing Cowling Inlets CHECK Air Filter CHECK Exhaust CHECK FOR CRACKS Nose Gear/Tire/StrutINSPECT Cowl FlapsINSPECT

FINAL	CHECK
Fuel Sumps	DRAIN
Left Wing (5)	DRAIN
Right Wing (5)	DRAIN
Cowling (3)	DRAIN
Fuel Quantity	VISUAL CHECK
Fuel Caps	SECURE
Last 360° Walk Around	d COMPLETE
Chocks	CONFIRM REMOVED
Tie Downs	CONFIRM REMOVED
Cowl Plugs	CONFIRM REMOVED
Pitot Cover	CONFIRM REMOVED
Preflight	COMPLETE

Static Port CHECK UNBLOCKED

PERSONAL CHECKLIST

PAVE to perceive hazards	
P ilot	CHECK
Experience/recency	CHECK
Physical condition SEE	IMSAFE
Aircraft	CHECK
Fuel reserves	CHECK
Performance	CHECK
 Equipment 	CHECK
EnVironment	CHECK
 Weather 	CHECK
External Pressures	CHECK

IMSAFE to check pilot phys. condition		
Injury	CHECK	
Medication	CHECK	
Stress	.CHECK	
Alcohol	CHECK	
Fatigue	CHECK	
Emotion	CHECK	

PASSENGER BRIEF	AFTER START	TAKEOFF BRIEF
S - SeatbeltsUSAGE		Conditions
Fastened during taxi, takeoff, landing.	Avionics (Bus 1 and Bus 2)ON	Weather (Wind, Ceilings, Etc.)
Recommended always.	MFD Database CHECK DATES	Hazards
A – Air ventsUSAGE	Aux Status PgCHECK NO X'S	Weather, Terrain, Wildlife, Traffic, etc.
Sick? Loosen clothing, use air, look at point on	Engine System Pg SET GAL REM	
horizon. Location of sick sacks.	RadiosTUNE, GET ATIS/AWOS	Number (L/R), Length
F – Fire extinguisherUSAGE	· · · · · · · · · · · · · · · · · · ·	
Pull pin, Aim at base, Squeeze, and Sweep	Altimeters SET PFD, Standby, KAP140 A/P	, - ,
E – ExitsLOCATION/USAGE		Before Rotation
T – Traffic EXPLAIN	Heading Indicator BUG WIND Clearance OBTAIN	After Rotation w/ Sufficient Rwy
Clock Position / Who's looking		Below / Above 1000' AGL
Y - Yak (Sterile Cockpit)	Transponder	• Establish PIC in emergency
No extraneous conversation under cruise or	G1000 Alt Sel SET	
10,000' MSL (whichever is lower)	KAP140 Alt SelSET	Type, Rwy, Wind, Speeds
Y – Yoke	FMS/GPS Flight Plan SET	Departure (Briet)
3 way positive exchange of flight controls.	TAXI	RUNWAY ENTRY
Stay clear of active flight controls.		Time for Lights, Camera, Action, Traffic
Y - Any questions?	Taxi Area	
REFORE START	Brakes CHECK	Timer START
BEFORE START	Check for dip in Attitude Indicator	Lights LANDING & STROBES ON
	Controls	TransponderVERIFY CODE/ALT
	Flight Instruments CHECK IN TURNS	Mixture RICH
Seats and BeltsADJUSTED/LOCKED	ENCINE DUNUD	Prop Control
Fuel Selector Valve BOTH	ENGINE RUNUP	TrafficVERIFY RWY/APCH CLEAR
	AircraftPOSITION INTO WIND	Runway NumberCONFIRM
Avionics Master Switch OFF	Parking BrakeSET	Heading/Compass MATCHES RWY
	Seats and Seat BeltsSECURE	NORMAL TAKEOFF
Test both sides and look for drips.	Cabin Doors CLOSED AND LOCKED	NORMAL TAKEOFF
	Flight ControlsFREE & CORRECT	
	Flight InstrumentsCHECK NO X'S	Throttle FULL
Nav LightsON AT NIGHT/IFR	Standby Flight InstrumentsCHECK	
ENGINE OTABT	Fuel QuantityCHECK	
ENGINE START	Fuel Selector Valve RECHECK BOTH	Airspeed"ALIVE"
MixtureIDLE CUTOFF	M.E.T Left Switch TEST	Rotate55 KIAS "ROTATE"
Throttle	Verify Trim Wheel Does Not Move	Climb (Flaps 0°/20°) 80/70 KIAS
	M.E.T Right SwitchTEST	Flaps UP
Stby Batt SwitchTEST	Verify Trim Wheel Does Not Move	
Hold for 10 seconds	Verify P.T. Annun. On A/P Within 5 Secs M.E.T Both Switches TEST	SHORT FIELD TAKEOFF
verify green test lamp does not extinguish Stby Batt SwitchARM	Verify Trim Moves Correctly and	Flaps 20°
Verify that PFD comes on	no Trim Movement With A/P Disco. Btn	Brakes HOLD
Engine Indicating System CHECK		Throttle FULL
Verify no red X's through engine page	A/P Hdg Mode TEST	Mixture ADJUST TO 24 GPH
Bus E Volts23.5 VOLTS MIN.	A/P V/S Mode TEST	Engine Instruments"GREEN"
M Bus Volts	Yoke OVERPOWER	Engine RPM AT LEAST "2300 RPM"
	A/P Disco. BtnPRESS	Brakes RELEASE
Stby Batt Annunciator VERIFY ON	Verify A/P Off and Disconnect Sound	Airspeed"ALIVE"
Master Switch ON	Elevator Trim SET FOR TAKEOFF	Rotate 50 KIAS "ROTATE"
	Throttle	Climb60 KIAS
Prime Engine for Cold Start or as req'd	Magnetos R, B, L, B	ObstacleCLEARED
Fuel PumpON	Drop less than 175 and 50 between mags	FlapsUP WHEN >70 KIAS
Mixture	VAC Indicators CHECK	Climb80 KIAS
*	Engine Indicators CHECK	
Fuel PumpOFF	Ammeters & Voltmeters CHECK	SOFT FIELD TAKEOFF
Prop AreaCLEAR	Annunciators	Flaps 20°
Ignition Switch ENGAGE	Throttle CHECK IDLE	Brakes NONE
Do NOT Crank for > 10 secs. Allow 20 secs	Throttle	Control WheelFULL AFT
between start attempts!	Throttle Friction Lock ADJUST	Throttle SLOWLY ADVANCE FULL
Mixture ADVANCE SMOOTHLY	Radios SET	Engine Instruments "GREEN"
When Engine Catches	FMS/GPS Flight PlanVERIFY	Engine RPM AT LEAST "2300 RPM"
Throttle	2nd Radio	Airspeed"ALIVE"
Oil Pres ABOVE RED LINE (30 SEC)	XPDRVERIFY CODE/ALT	Main GearLIFT OFF
Amps (M Batt & Batt S)POSITIVE	CDI Softkey SELECT NAV SOURCE	Pitch NOSE OVER
Low Volts AnnunVERIFY OFF	Wing Flaps SET	Ground Effect MAINTAIN TO 60 KIAS
MixtureLEAN 1"	Cabin WindowsCLOSED & LOCKED	FlapsUP WHEN >70 KIAS
	BrakesRELEASE	Climb80 KIAS
	DIGROSRELEASE	
		