

AIRCRAFT PREPARATION		COMPLETED (ACCORDING AFM)
PREFLIGHT CHECK		
1	Outside Check.....	COMPLETED..... 1
2	Towbar, Covers, Chocks	REMOVED..... 2
3	Aircraft Papers & Log.....	CHECKED..... 3
4	Cabin.....	CHECKED..... 4
5	Loadsheet.....	CHECKED..... 5
PREFLIGHT CHECK COMPLETED		
CHECK BEFORE ENGINE START		
1	Seat position & Seat belts.....	ADJUST..... 1
2	Flight Controls.....	FREE & CORRECT..... 2
3	Parking Brake.....	SET..... 3
4	Throttle Lever.....	Adjust friction, then IDLE..... 4
5	Propeller Lever.....	HIGH RPM..... 5
6	Mixture Lever.....	CUT-OFF..... 6
7	Circuit Breakers.....	ALL IN..... 7
8	Master Switch.....	ON (wait PFD turn on)..... 8
9	Avionic Master Switch.....	ON (wait MFD turn on, check instruments, check Voltage on Main & Essential Buss..... 9
10	Autopilot Master Switch.....	ON..... 10
11	Trim Disconnect Switch.....	ON..... 11
12	Fuel Quantity.....	CHECKED..... 12
13	Electric Fuel Pump.....	ON (check for audible pump noise)..... 13
14	Electric Fuel Pump.....	OFF..... 14
15	Alternate Static.....	NORMAL..... 15
16	Nav & Strobe Lights.....	ON..... 16
17	Doors.....	CLOSED & SECURED..... 17
CHECK BEFORE ENGINE START COMPLETED		
ENGINE START		
1	Throttle Lever.....	1cm (1/2inch) OPEN..... 1
2	Fuel Selector.....	SELECT tank with less fuel..... 2
3	Electric Fuel Pump	ON (check for audible pump noise)..... 3
4	(Only if Cold Engine) Mixture Lever.....	FULL RICH for 3-5 seconds (positive fuel flow indication), then CUT-OFF..... 4
5	Propeller Area.....	CLEAR..... 5
6	Ignition Key.....	BOTH, then START..... 6
7	Mixture Lever.....	rapidly move to FULL RICH..... 7
8	Throttle Lever.....	SET 1000-1200 RPM..... 8
9	Oil Pressure	Check OP rises within 10 seconds and "OIL PRESSURE LOW" warning extinguished..... 9
10	Electric Fuel Pump	OFF, check fuel pressure within limits..... 10
11	Generator Switch.....	ON, check voltage increase and in green arc, "ALT FAIL" caution extinguished..... 11
12	Engine Instruments.....	Check within limits..... 12
13	G1000.....	Check for warning / caution messages..... 13
ENGINE START COMPLETED		

BEFORE TAXI CHECK

1	Flight Instruments & Avionics.....	SET (check altimeter / AI alignment).....	1
2	Pitot Heat.....	ON, test for ammeter indication, then OFF.....	2
3	Flaps.....	Cycle fully extended, then T/O.....	3
4	Pitch Trim.....	Cycle fully up / down, then NEUTRAL.....	4
5	Rudder Trim.....	Cycle full right / left, then NEUTRAL.....	5

BEFORE TAXI CHECK COMPLETED

TAXI CHECK

1	Brakes.....	CHECK.....	1
2	Flight Instruments.....	CHECK.....	2

TAXI CHECK COMPLETED

BEFORE TAKE OFF / RUN UP

1	Park Brake.....	SET.....	1
2	Engine Instruments.....	Check within Limits.....	2
3	ALT FAIL Caution.....	CHECK OFF.....	3
4	Electric Fuel Pump	ON.....	4
5	Fuel Selector.....	SELECT fullest tank.....	5
6	Fuel Pressure.....	CHECK.....	6
7	Mixture Lever.....	FULL RICH.....	7
8	Throttle Lever.....	1500 RPM.....	8
9	Alternate Air.....	PULL (check drop 50-100 RPM).....	9
10	Mixture Lever.....	LEAN (check EGT increase, FF decrease.....)	10
11	Throttle Lever.....	2100 RPM.....	11
12	Propeller Lever.....	Cycle 3 Times (drop of approx. 500RPM).....	12
13	Ignition Key (LEFT–BOTH–RIGHT–BOTH)...	CHECKED (max. -175 RPM / Diff max. 50 RPM)..	13
14	Throttle Lever.....	IDLE then set 1000 – 1200 RPM.....	14
15	Fuel Quantity-.....	L & R, check endurance.....	15
16	Ignition Key.....	BOTH.....	16
17	Pitch & Rudder Trim.....	SET NEUTRAL.....	17
18	Flaps.....	SET T/O.....	18
19	Mixture Lever-.....	FULL RICH.....	19
20	Propeller Lever.....	HIGH RPM.....	20
21	Flight Controls.....	FREE & CORRECT.....	21
22	Seat Belts.....	FASTENED.....	22
23	Doors.....	CHECK CLOSED & SECURED.....	23
24	Departure Briefing.....	COMPLETED.....	24

BEFORE TAKE OFF / RUN UP COMPLETED

LINE UP CHECK

1	Approach Sector & Runway.....	CLEAR.....	1
2	Taxi-, Landing-, Strobe-, Nav-Light.....	ON.....	2
3	Transponder.....	ON & SET ALT.....	3
4	Time.....	CHECKED.....	4
5	Pitot Heat.....	AS REQUIRED.....	5

LINE UP CHECK COMPLETED

TAKE OFF			
1	Brakes.....	APPLY.....	1
2	Throttle Lever.....	FULL, CHECK approx. 2680 +/- 20 RPM	2
3	Engine Instruments.....	CHECKED.....	3
4	Brakes.....	RELEASE.....	4
5	Rotate.....	AT 60 KIAS.....	5
6	Establish Initial Climb.....	75 KIAS.....	6
CLIMB CHECK			
1	Flaps.....	UP.....	1
2	Propeller Lever.....	SET 2600 RPM.....	2
3	Climb Speed.....	82 KIAS.....	3
4	Electric Fuel Pump.....	OFF, check FP within limits.....	4
5	Taxi Light.....	OFF.....	5
CLIMB CHECK COMPLETED			
CRUISE CHECK			
1	Throttle Lever.....	SET (23 inHg or as required).....	1
2	Propeller Lever.....	SET (2350 RPM or as required).....	2
3	Mixture Lever.....	Lean Engine to 1450°F (or as required).....	3
4	Engine Parameters	CHECKED within Limits	4
5	Cautions / Warnings.....	CHECKED.....	5
6	Fuel quantity.....	CHECK ENDURANCE.....	6
CRUISE CHECK COMPLETED			
DESCENT CHECK			
1	Mixture Lever.....	FULL RICH.....	1
2	(A) ATIS.....	NOTED.....	2
3	(B) Briefing.....	COMPLETED.....	3
4	(C) Circuit Breakers / Cabin.....	CHECKED.....	4
5	(D) Directional Indicators.....	COMPARED.....	5
6	(E) Electrics / Lights.....	SET AS REQUIRED.....	6
7	(F) Frequencies / Fuel.....	CHECKED & SET.....	7
DESCENT CHECK COMPLETED			
APPROACH CHECK			
1	Altimeter.....	SET QNH.....	1
2	Landing-Light / Taxi-Light.....	ON.....	2
3	Electric Fuel Pump.....	ON.....	3
5	Fuel Selector Valve.....	SELECT fullest tank.....	5
APPROACH CHECK COMPLETED			
FINAL CHECK			
1	Speed.....	70 - 75KIAS.....	1
2	Flaps.....	SET AS REQUIRED.....	2
3	Propeller Lever.....	HIGH RPM.....	3
4	Mixture Lever.....	FULL RICH.....	4
5	Runway.....	IDENTIFIED & CLEAR.....	5
FINAL CHECK COMPLETED			

BALKED LANDING / MISSED APPROACH		
1	Throttle Lever.....	FULL..... 1
2	Pitch.....	UP, establish 75 KIAS..... 2
3	Flaps.....	SET T/O 3
CONTINUE WITH CLIMB CHECK		

AFTER LANDING CHECK		
1	Flaps.....	UP..... 1
2	Pitot Heat.....	OFF..... 2
3	Electric Fuel Pump	OFF..... 3
4	Landing Light.....	OFF..... 4
5	Transponder.....	STBY..... 5
6	Time.....	NOTED..... 6
AFTER LANDING CHECK COMPLETED		

ENGINE SHUT DOWN CHECK		
1	Parking Brake.....	SET..... 1
2	Throttle Lever.....	SET 1200 RPM for 1 minute to reduce heat..... 2
3	Throttle Lever.....	IDLE..... 3
4	Mixture Lever.....	CUT-OFF..... 4
5	Ignition Key.....	OFF, key removed..... 5
6	External- / Internal lights.....	OFF..... 6
7	Trim Disconnect Switch.....	OFF..... 7
8	Autopilot Master Switch.....	OFF..... 8
9	Avionic Master Switch.....	OFF..... 9
10	Master & Generator Switch.....	OFF..... 10
11	Fuel Selector.....	OFF..... 11
ENGINE SHUT DOWN CHECK COMPLETED		

POST FLIGHT CHECK		
1	Flight Controls.....	LOCKED (by mean of seat belts)..... 1
2	Wheel Chocks.....	SET..... 2
3	Wing Mooring Lines.....	SET (as required)..... 3
4	Parking Brake.....	RELEASED..... 4
5	Doors.....	CLOSED & LOCKED..... 5
6	Pitot Protection Plug.....	SET..... 6
POST FLIGHT CHECK COMPLETED		

SPEED AND PERFORMENCE 1160 KG	FLAPS	
Rotation Speed (in take-off, Vr)	T/O	60 KIAS
Best Angle of Climb (Vx)	0°	75 KIAS
Best Rate of Climb (Vy)	0°	82 KIAS
Approach Speed	T/O	75 KIAS
Final Approach Speed	LAND	70 KIAS
Manoeuvring Speed	0°	120 KIAS
Never exceed Speed,(Vne)	0°	166 KIAS
Max. Flaps extended Sspeed (Vfe)	T/O, LAND	91 KIAS
Stall Speed, flaps extended (Vs0)	LAND	50 KIAS
Stall Speed, flaps retracted Vs1)	0°	59 KIAS
Best Glide Speed	0°	85 KIAS