

AIRCRAFT PREPARATION		COMPLETED (ACCORDING AFM)
PREFLIGHT CHECK		
1	Outside check.....	COMPLETED..... 1
2	Towbar, Covers, Chocks	REMOVED..... 2
3	Aircraft papers and log.....	CHECKED..... 3
4	Cabin.....	CHECKED..... 4
5	Loadsheet.....	CHECKED..... 5
PREFLIGHT CHECK COMPLETED		
CHECK BEFORE ENGINE START		
1	Seat position and safety belts.....	ADJUST..... 1
2	Flight controls.....	FREE..... 2
3	Park Brake.....	ENGAGE..... 3
4	Throttle friction.....	ADJUST..... 4
5	Circuit breakers.....	ALL IN..... 5
6	Master switch.....	ON (check ALT OUT caution ON and Voltage at least 10.5V) 6
7	Avionic master switch.....	ON, check instruments (+ATIS)..... 7
8	Avionic master switch.....	OFF..... 8
9	Annunciator lights	TEST..... 9
10	Alternate static.....	CLOSED..... 10
11	Fuel quantity.....	CHECKED..... 11
12	Doors.....	CLOSED AND LOCKED..... 12
CHECK BEFORE ENGINE START COMPLETED		
ENGINE START		
1	Strobe light.....	ON..... 1
2	Engine Throttle	IDLE..... 2
3	Choke (if needed).....	ON (if Engine warm Choke off, Throttle 5mm). 3
4	Fuel selector valve.....	SELECT the tank with less fuel..... 4
5	Electric fuel pump	ON (check for audible pump noise)..... 5
6	Propeller area	CLEAR..... 6
7	Ignition key.....	BOTH, then START..... 7
8	Oil Pressure	Check OP LOW warning turns off within 10 sec. 8
9	Generator switch.....	ON, check more than 14 V 9
10	Engine parameters.....	all cautions/warnings OFF..... 10
11	Choke.....	OFF (slowly)..... 11
12	Propeller RPM.....	SET 1000-1200 RPM..... 12
13	Electric fuel pump	OFF, FP LOW warning:check OFF..... 13
ENGINE START COMPLETED		

BEFORE TAXI CHECK

1	Avionic Master Switch.....	ON.....	1
2	Radio and avionics	ON.....	2
3	Flight instruments.....	SET (check altimeter / AI alignment)	3
4	Flap control.....	cycle fully extended and then set to T/O.....	4
5	Pitch trim.....	cycle fully up and down, from both LH and RH controls, check for trim disconnect switch operation.....	5
6	Pitch trim.....	SET NEUTRAL.....	6

BEFORE TAXI CHECK COMPLETED

TAXI CHECK

1	Brakes.....	CHECK.....	1
2	Flight instruments.....	CHECK.....	2

TAXI CHECK COMPLETED

PRIOR TO TAKE OFF / RUN UP

1	Park Brake.....	SET.....	1
2	Engine parameters.....	all cautions/warnings OFF, OT within the limits	2
3	ALT OUT caution.....	CHECK OFF.....	3
4	Electric fuel pump	ON.....	4
5	Fuel selector valve.....	SELECT the fullest tank.....	5
6	Fuel pressure.....	CHECK.....	6
7	Propeller RPM.....	set 1640 RPM.....	7
8	Ignition (LEFT – BOTH – RIGHT - BOTH).....	CHECKED (max. -130 RPM / Diff max. 50 RPM)	8
9	Carburettor heater (OUT – IN).....	CHECKED (approx. 100RPM drop).....	9
10	Propeller RPM IDLE.....	CHECKED (580-700 RPM).....	10
11	Propeller RPM.....	SET 1000 RPM.....	11
12	Fuel quantity.....	L & R, check endurance.....	12
13	Carburettor heater	OFF.....	13
14	Ignition.....	BOTH.....	14
15	Pitch trim.....	SET NEUTRAL.....	15
16	Flaps.....	SET T/O.....	16
17	Flight controls.....	FREE AND CORRECT.....	17
18	Seat belts.....	CHECK FASTENED.....	18
19	Doors.....	CHECK CLOSED AND LOCKED.....	19
20	Departure briefing.....	COMPLETED.....	20

PRIOR TO TAKE OFF / RUN UP COMPLETED

LINE UP CHECK

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

LINE UP CHECK COMPLETED

TAKE OFF			
1	Brakes.....	APPLY.....	1
2	Full Throttle	SET, CHECK approx. 2100 +/- 100 RPM	2
3	Brakes.....	RELEASE.....	3
4	Rotate.....	when 50 KIAS reached.....	4
5	Establish Initial climb.....	61 - 64 KIAS.....	5
CLIMB CHECK			
1	Flaps.....	UP.....	1
2	Climb Power.....	SET 2250 RPM.....	2
3	Climb Speed.....	64 - 68 KIAS.....	3
4	Fuel Pump.....	OFF, check FP / FP warning light.....	4
5	Taxi Light.....	OFF.....	5
CLIMB CHECK COMPLETED			
CRUISE CHECK			
1	Propeller RPM.....	SET at or below 2250 RPM.....	1
2	Engine Parameters	CHECK within Limits	2
3	Cautions / Warnings.....	CHECK OFF.....	3
4	Fuel quantity left and right.....	CHECK ENDURANCE.....	4
5	Carburetor heater	AS NEEDED.....	5
CRUISE CHECK COMPLETED			
DESCENT CHECK			
1	(A) ATIS.....	NOTED.....	1
2	(B) Briefing.....	COMPLETED.....	2
3	(C) Circuit Breakers / Cabin.....	CHECKED.....	3
4	(D) Directional Indicators.....	COMPARED.....	4
5	(E) Electrics.....	SET AS REQUIRED.....	5
6	(F) Frequencies.....	SET.....	6
DESCENT CHECK COMPLETED			
APPROACH CHECK			
1	Altimeter.....	SET QNH.....	1
2	Taxi-Light.....	ON.....	2
3	Electric fuel pump.....	ON.....	3
4	Carburettor heater.....	ON.....	4
5	Fuel selector valve.....	SELECT fullest tank.....	5
APPROACH CHECK COMPLETED			
FINAL CHECK			
1	Speed.....	61 - 55KIAS.....	1
2	Flaps.....	SET AS REQUIRED.....	2
3	Carburettor heater.....	OFF.....	3
4	Runway.....	IDENTIFIED and CLEAR.....	4
FINAL CHECK COMPLETED			

BALKED LANDING / MISSED APPROACH

1	Throttle.....	FULL.....	1
2	Pitch.....	UP establish 61 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	Park Brake.....	SET.....	1
2	Propeller RPM.....	set 1200 RPM for 1 minute to reduce heat.....	2
3	Avionic equipment.....	OFF.....	3
4	Ignition key.....	OFF, key removed.....	4
5	Exteral / Internal Lights.....	OFF.....	5
6	Master and generator switches.....	OFF.....	6
7	Fuel selector valve.....	OFF.....	7

ENGINE SHUT DOWN CHECK COMPLETED

POST FLIGHT CHECK

1	Flight controls.....	LOCK by mean of seat belts.....	1
2	Wheel chocks.....	SET.....	2
3	Wing mooring lines.....	SET.....	3
3	Park Brake.....	RELEASE.....	3
4	Doors.....	CLOSE AND LOCK.....	4
5	Protection plugs.....	SET over pitot tube, stall warning, static ports...	5

POST FLIGHT CHECK COMPLETED

SPEED AND PERFORMENCES 650 KG

	FLAPS	650 KG
Rotation speed (in take-off, Vr)	T/O	50 KIAS
Best angle of climb (Vx)	0°	64 KIAS
Best rate of climb (Vy)	0°	68 KIAS
Approach speed	T/O	61 KIAS
Final approach speed	LAND	55 KIAS
Manoeuvring speed	0°	98 KIAS
Never exceed speed,(Vne)	0°	143 KIAS
Max. flaps extended speed (Vfe)	T/O, LAND	70 KIAS
Stall speed, flaps extended (Vs0)	LAND	40 KIAS
Stall speed, flaps retracted Vs1)	0°	49 KIAS
Best Glide Speed	0°	72 KIAS