

VFR - CHECKLIST



Notfall Nummern				
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AIRCRAFT PREPARATION COMPLETED (ACCORDING AFM)

PREFLIGHT CHECK

1	Outside check	COMPLETED(OIL 8-12 quarts)	1
2	Fuel quantity	CHECKED	2
3	Mass & balance	CHECKED	3
4	Baggages	STOWED & SECURED	4
5	All documents on board	CHECKED	5

PREFLIGHT CHECK COMPLETED

CHECK BEFORE ENGINE START

1	Seat & seatbelts	ADJUSTED / FASTEN	1
2	Gear selector	DOWN	2
3	Emergency gear handle	STOWED	3
4	Alternate air	CLOSED	4
5	Alternate static pressure	CLOSED	5
6	Propeller Anti-Ice Switch	OFF	6
7	Cowl flaps	OPEN (draw)	7
8	Flight controls	CHECKED	8
9	Parking brake	SET	9
10	Clock	SET	10
11	Electrical switches	OFF	11
12	Circuit breakers	ALL IN	12
13	Battery - & alternator switch	ON	13
14	Fuel quantity	WHITE ARC	14
15	Fuel selector	FULLER TANK	15
16	Gear lights / Annunciator	TEST / CHECK	16
17	Avionic master switch	ON	17
18	Atis	CHECHED	18
19	COM / NAV / GPS / AUDIO	SET	19
20	Avionic master switch	OFF	20

CHECK BEFORE ENGINE START COMPLETED

<u>STARTING cold ENGINE</u>			
1	Beacon	ON	1
2	Throttle	FORWARD / FULL	2
3	Propeller	FORWARD / HIGH	3
4	Mixture	FORWARD / RICH	4
5	Electrical fuel pump	ON	5
1	Fuel flow	STABILIZED	1
2	Electrical fuel pump	STABILIZED	2
3	Throttle	1 cm open (draw+2*back)	3
4	Propeller area	FREE	4
5	Ignition	START	5
6	RPM	1000 – 1200 RPM	6
7	Ampermeter	CHECKED	7
8	Oil pressure	CHECKED / GREEN	8
9	Suction	CHECKED	9
<u>STARTING ENGINE COMPLETED</u>			
1	<u>BEFORE TAXI</u>		1
2	Avionic master switch	ON	2
3	Slaving selector on slave	CHECKED	3
4	Altimeters	SET, CHECKED WITH FIELD ELEVATION	4
5	Autopilot	TEST	5
6	HDG – BUG	RWY IN USE	6
7	Horizon	CHECK AND SET	7
8	Navigation lights	ON	8
9	Request taxi		9
10	Taxi lights	ON	10
11	Wings free, parking brake	OFF	11
<u>BEFORE TAXI COMPLETED</u>			

<u>TAXI CHECK</u>			
1	Brakes and steering	CHECKED	1
<u>STRAIGHT AHEAD</u>			
2	Speed indicator – Altimeter – Vertical Speed indicator	CHECKED	2
<u>LEFT TURN</u>			
3	Gyro	DECREASING	3
	Turn & Bank	LEFT	
	Ball	RIGHT	
	Horizon	STABILIZED	
4	<u>RIGHT TURN</u>		4
	Gyro	INCREASING	
	Turn & Bank	RIGHT	
	Ball	LEFT	
	Horizon	STABILIZED	
<u>TAXI CHECK COMPLETED</u>			
<u>RUN-UP</u>			
5	Parking brake	SET	5
6	Taxi light	OFF	6
7	Engine instruments	CHECKED all GREEN ARC	7
8	Throttle	SET 1700 RPM	8
9	Magnetos	CHECKED (drop -175 diff- 50 RPM)	9
10	Propeller 2 times	CHECKED (1400)	10
11	Alternate air (IFR)	CHECKED	11
12	Oil pressure, amp & suction	CHECKED	12
13	Throttle idle	CHECKED (500 – 700 RPM)	13
14	Throttle	SET 1000 RPM	14
<u>RUN-UP COMPLETED</u>			

CHECK BEFORE DEPARTURE

1	Fuel selector	FULLER TANK	1
2	Mixture	RICH / AS REQUIRED	2
3	Propeller	HIGH RPM	3
4	Flaps	UP, CHECKED	4
5	Cowl flaps	OPEN, draw	5
6	Propeller Anti-Ice Switch	OFF	6
7	Trims 2 times	3 UP - NEUTRAL	7
8	Flight controls	FREE, CHECKED	8
9	Cabin, doors & windows	SECURED / CLOSED	9
10	Passengers	SECURED	10

VFR PREPARATION

1	Check outbound routing / noise abatement		1
2	Take-off briefing		2

VFR PREPARATION COMPLETED**CHECK BEFORE DEPARTURE COMPLETED****LINE UP CHECK**

1	Approach sector & runway	CHECK, FREE	1
2	Landing light	ON	2
3	Strobe lights	ON	3
4	Transponder	AS REQUIRED (STB or ALT)	4
5	Pitot - heat	AS REQUIRED	5

WHEN ESTABLISHED ON CENTERLINE

6	Gyros	CHECKED	6
7	HDG - BUG	SET RWY HEADING	7
8	Time	CHECKED / NOTED	8

WHEN CLEAR FOR TAKE - OFF

9	Trottle advance full	29.6 MP - 2700 RPM	9
10	Speed rising	CHECKED	10
11	Rotate	71 KIAS	11
12	Increase speed (Vx)	77 KIAS	12
13	Brake - gear	UP	13
14	Increase speed (Vy)	96 KIAS	14
15	PWR	25 MP 2500 RPM 20 G/h	15

LINE UP CHECK COMPLETED

<u>CLIMB CHECK</u>			
1	Gear	UP	1
2	Flaps	UP	2
3	Power	25 MP 2500 RPM 20 G/h	3
4	Cowl flaps	OPEN	4
5	Landing light	OFF	5
<u>WHEN PASSING TRANSITION ALTITUDE</u>			
6	Altimeters	STANDART...(1013)	6
7	Cruise climb	107 KIAS	7
<u>CLIMB CHECK COMPLETED</u>			
<u>CRUISE CHECK</u>			
1	Altimeter & gyro	SET (STD / QNH)	1
2	Cruise power / mixture	22 MP 2300 RPM 14 G/h.	2
3	Cowl flaps	AS REQUIRED	3
4	Pitot - heat	AS REQUIRED	4
5	Engine instruments	CHECKED (Green)	5
6	Fuel quantity	CHECKED (ENDURANCE)	6
<u>CRUISE CHECK COMPLETED</u>			
<u>DESCENT CHECK</u>			
1	ATIS	RECEIVED	1
2	Approach briefing	COMPLETED	2
3	Circuit Breakers	CHECKED	3
4	Directional Gyro	CHECKED / SET	4
5	Further Planning	AVIONIC SET	5
6	Mixture (when descending)	AS REQUIRED	6
<u>DESCENT CHECK COMPLETED</u>			

<u>APPROACH CHECK (WHEN CLEAR TO AN ALTITUDE)</u>			
1	Altimeter	SET on QNH	1
2	Landing light	ON	2
3	Fuel	CHECKED	3
4	Fuel selector	FULLER TANK	4
5	Fuel pump	OFF	5
6	Cowl flaps	CLOSED	6
<u>APPROACH CHECK COMPLETED</u>			
<u>POWER SETTING</u>			
	Power	Not below 20 MP	
	Flaps below 154 KIAS	App 15° / below 123 KIAS..30°	
	Gear below 154 KIAS	App speed 90-95 KIAS	
<u>WIND</u>			
	Max Crosswind	17 Kt	
	Head Wind over 10 Kt	+ ½ to App. Speed	
<u>FINAL CHECK</u>			
1	Gear down	3 GREENS	1
2	Flaps	AS REQUIRED	2
3	Propeller	FULL FORWARD	3
4	Mixture	RICH / AS REQUIRED	4
<u>FINAL CHECK COMPLETED</u>			

AFTER LANDING CHECK

1	Landing lights	OFF or AS REQUIRED	1
2	Strobe lights	OFF	2
3	Pitot heat	OFF	3
4	Propeller Anti-Ice Switch	OFF	4
5	Transponder	SBY or AS REQUIRED (Automatic)	5
6	Flaps	UP	6
7	Cowl flaps	OPEN	7
8	Time	NOTED	8

AFTER LANDING CHECK COMPLETEDENGINE SHUT DOWN AND PARKING

	Parking brake	SET	
	Throttle	SET 1000 RPM	
	Radio master	OFF	
1	Electrical switches	ALL OFF	1
2	Alternator	OFF	2
3	Mixture	LEAN / CUT OFF	3
4	Ignition key	OFF	4
5	Battery master	OFF	5
6	Parking brake	SET AS CONVENIENT	6
7	Flight Data and Documents	NOTED / COMPLETED	7

PARKING CHECK COMPLETED**SPEEDS**

V _x	77 Kts	V _{FE} (step 1 Flaps speed)	150 Kts
V _y	96 Kts	V _{initial approach}	90-95 Kts
V _A (Manoeuvring speed)	134 Kts	V _{final} (Full Flaps)	70 Kts
V _{best gliding angle}	105 Kts	Max Crosswind comp.	17 Kts

Emergency:

Emergency Descent	= 154 kt
Best Glide	= 105 kt
Landing without Motor	= 83 kt
Emergency Frequency	= 121.5
Loss of Communication	= 7600
Emergency	= 7700
Hijacking	= 7500

Electrical Fault = Switch on Emergency Power Unit, Inform ATC, Verify Problem, Make further Decisions.

Power Loss = Turn on Electrical Fuel Pump, Try to get Engine going again.