

## AIRCRAFT PREPARATION.....COMPLETED (ACCORDING AFM)

### PREFLIGHT CHECK

1.	Outside check .....	COMPLETED .....	1
2.	Aircraft papers .....	CHECKED .....	2
3.	Aircraft log .....	CHECKED .....	3
4.	Tow bar .....	REMOVED & SECURED .....	4
5.	Cabin .....	CHECKED .....	5
6.	Loadsheet .....	WITHIN LIMITS .....	6

### **PREFLIGHT CHECK COMPLETED**

### CHECK BEFORE ENGINE START

1	Seats .....	ADJUSTED & LOCKED .....	1
2	Parking brake .....	SET .....	2
3	Seat belts & harness .....	FASTENED .....	3
4	Circuit breakers .....	CHECKED .....	4
5	Equipment switches .....	OFF, EXCEPT TCU .....	5
6	Battery & alternator 2 .....	ON, TCU & RAL CHECKED .....	6
7	Annunciator lights .....	TEST .....	7
8	EMS .....	ON AND READY .....	8
9	Fuel quantity .....	L+R, ENDURANCE .....	9
10	Fuel selector .....	FULLER TANK .....	10
11	PFD & Backup instrument .....	ON, PRESS CONTINUE (2x) .....	11
12	Throttle .....	FREE MOVEMENT / IDLE .....	12
13	Canopy .....	CLOSED & LOCKED .....	13

### **CHECK BEFORE ENGINE START COMPLETED**

### ENGINE START

1	Navigation lights .....	ON .....	1
2	Ignition key .....	INSERT .....	2
3	Choke .....	PULL FOR COLD START .....	3
4	Throttle .....	IDLE / 1 cm if choke is not used .....	4
5	Aux. fuel pump .....	ON .....	5
6	Ignition switch .....	ON (BOTH) .....	6
7	Propeller area .....	CLEAR .....	7
8	Starter .....	ENGAGE (max. 10") .....	8
9	Throttle .....	SET 2000 RPM .....	9
10	Oil pressure .....	CHECKED .....	10

### **ENGINE START COMPLETED**

**CHECK AFTER ENGINE START**

1	EMS.....	BATTERY CHARGING .....	1
2	Aux. fuel pump.....	OFF, PRESSURE CHECKED .....	2
3	Avionics switches 1 & 2.....	ON (check ATIS).....	3
4	Ventilation Heater, Defroster .....	AS REQUIRED.....	4
5	Fuel selector .....	SWITCH TANK.....	5
6	Flaps.....	UP .....	6
7	Flight instruments & avionics.....	SET & CHECKED .....	7
8	Engine instruments.....	CHECKED.....	8

**CHECK AFTER ENGINE START COMPLETED****TAXI CHECK**

1.	Brakes & steering .....	CHECKED .....	1
2.	Flight instruments .....	CHECKED .....	2

**TAXI CHECK COMPLETED****RUN UP**

1	Parking brake .....	SET .....	1
2	Oil temperature.....	ABOVE > 50°C.....	2
3	Zone behind aircraft.....	CLEAR .....	3
4	Fuel selector.....	FULLER TANK.....	4
5	Aux. fuel pump.....	ON.....	5
6	Throttle .....	SET 4000 RPM .....	6
7	Magnetos (L-B-R-L-B).....	CHECKED (< -500RPM , $\Delta$ <150RPM).....	7
8	Aux. fuel pump.....	OFF, PRESSURE CHECKED, ON.....	8
9	Throttle .....	MAX CONT. POWER, > 4700 RPM .....	9
10	Throttle .....	FULL PWR, > 5200 RPM .....	10
11	Engine instruments.....	CHECKED.....	11
12	Throttle idle.....	CHECKED (< 1900 RPM) .....	12
13	Throttle .....	SET 2000 RPM .....	13

**RUN UP COMPLETED****\*\*Departure briefing\*\*****CHECK BEFORE DEPARTURE**

1	Aux. fuel pump.....	ON.....	1
2	Fuel quantity .....	L+R, ENDURANCE .....	2
3	Fuel selector .....	CHECK FULLER TANK .....	3
4	Ignition .....	BOTH .....	4
5	Trim .....	SET FOR DEPARTURE.....	5
6	Flaps .....	T/O .....	6
7	Avionics .....	SET FOR DEPARTURE.....	7
8	Seat position .....	CHECKED & LOCKED.....	8
9	Cabin and pax .....	SECURED.....	9
10	Flight controls .....	FREE & CORRECT.....	10
11	Departure briefing .....	COMPLETED.....	11

**CHECK BEFORE DEPARTURE COMPLETED**

**LINE UP CHECK**

1	Canopy .....	CLOSED & LOCKED .....	1
2	Time .....	NOTED .....	2
3	Approach sector & runway.....	CLEAR .....	3
4	Landing light .....	ON .....	4
5	Strobe light .....	ON .....	5

**LINE UP CHECK COMPLETED****CLIMB CHECK**

1.	Flaps.....	UP .....	1
2.	Climb power.....	SET .....	2
3.	Aux. fuel pump.....	OFF, PRESSURE CHECKED .....	2

**CLIMB CHECK COMPLETED****CRUISE CHECK**

1.	Altimeter .....	CHECKED (STD / QNH) .....	1
2.	Cruise power .....	SET .....	2
3.	Engine instruments.....	CHECKED.....	3
4.	Fuel quantity.....	L+R, ENDURANCE .....	4
5.	Fuel selector .....	AS REQUIRED.....	5

**CRUISE CHECK COMPLETED****\*\*ATIS / AD information\*\*****\*\*Approach briefing\*\*****DESCENT CHECK**

1.	ATIS or AD information.....	NOTED.....	1
2.	Approach briefing .....	COMPLETED.....	2
3.	Avionics .....	SET & CHECKED .....	3
4.	Circuit breakers .....	ALL IN .....	4
5.	Cabin & pax.....	SECURED.....	5

**DESCENT CHECK COMPLETED****APPROACH CHECK**

1	Altimeter .....	QNH SET .....	1
2	Aux. fuel pump.....	ON, PRESSURE CHECKED.....	2
3	Fuel quantity .....	L+R, ENDURANCE .....	3
4	Fuel selector .....	FULLER TANK.....	4

**APPROACH CHECK COMPLETED**

**LANDING CHECK**

1. Flaps..... SET FOR LANDING..... 1

**LANDING CHECK COMPLETED**

**AFTER LANDING CHECK**

- 1 Aux. fuel pump..... OFF..... 1  
 2 Landing Light..... OFF..... 2  
 3 Strobe light..... OFF..... 3  
 4 Flaps..... UP..... 4  
 5 Time..... NOTED..... 5

**AFTER LANDING CHECK COMPLETED**

**ENGINE SHUT DOWN AND PARKING**

- 1 Parking brake..... SET..... 1  
 2 Throttle..... IDLE..... 2  
 3 121.500..... CHECKED..... 3  
 4 Avionics 1 & 2..... OFF..... 4  
 5 Equipment switches..... OFF, EXCEPT TCU..... 5  
 6 Flaps..... LD..... 6  
 7 Ignition (after 2 min)..... R, after 10" OFF, key removed..... 7  
 8 Battery & alternator 2..... OFF..... 8  
 9 Backup instrument..... OFF..... 9  
 10 Parking brake..... AS REQUIRED..... 10  
 11 Flight data..... NOTED..... 11  
 12 Aircraft..... TO BE SECURED..... 12

**PARKING CHECK COMPLETED**

**SPEEDS**

V <sub>ROTATE</sub>	55 KIAS	V <sub>initial approach (clean / Flaps T/O)</sub>	85/80 KIAS
V <sub>X, 10°</sub>	63 KIAS	V <sub>FE 10° (flaps T/O)</sub>	105 KIAS
V <sub>Y, 10°</sub>	63 KIAS	V <sub>FE 20° (flaps APP)</sub>	95 KIAS
V <sub>X, 0°</sub>	65 KIAS	V <sub>FE 30° (flaps LD)</sub>	85 KIAS
V <sub>Y, 0°</sub>	68 KIAS	V <sub>REF (flaps LD setting)</sub>	55 KIAS
V <sub>cruise climb</sub>	75 KIAS	V <sub>FINAL = V<sub>REF</sub> 30° +5</sub>	60 KIAS
V <sub>A (maneuvering speed)</sub>	105 KIAS		
V <sub>best glide angle</sub>	65 KIAS	Dem. Crosswind component	19 kt

**Wind increments on Final: for wind  $\geq 10$  kts, add 1/3 of headwind comp or full wind gust spread, whichever is higher, to V<sub>final</sub> approach speeds for different flaps settings**