

BEFORE ENGINE START

1. Daily Inspection + W&B + (ELT)	CHECK / ARMED
2. Pitot Probe Cover	REMOVED (+ IN COCKPIT)
3. Seat, Safety Belts, Pedals	ADJUST
4. Circuit Breakers + Instrument	CHECK / OFF (Down)
5. IBBS	ON
6. HOBS Engine Time	NOTED
7. Fuel Quantity	CHECK
8. Breakes	BRAKES ON

ENGINE START

1. Engine Start Approval	APPROVED
2. Oil Cooler Flap Open (Out)	CHECK OUT
3. Fuel Selector	SELECT BEST
4. Master Switch	ON
5. Main Fuel Pump	ON
6. Starter Key Switch To	START POWER POSITION
7. ACL NAV Lights	ACL ON (UP)
8. Lane A	ON
9. Lane B	ON
10. Fuel Pressure	CHECK MIN >3 BAR.
11. Throttle Level (ca 1,5 turn/1-2 cm = table)	CHECK (TPS 45-55%)
12. Propeller Area	CLEAR
13. Engine Start (Key)	START. MAX 10 SEC
14. Adjust Throttle	IDLE SMOOTH RUNNING
15. Oil Pressure (Within 20 Sec)	CHECK ABOVE 3.0 BAR
16. Throttle To Generator Lamp Check	2500 RPM = MIN <5 SEC *1
17. Throttle To Warm Up Start	APROX 2 MIN @ 2000 RPM
18. Avionics	ON
19. Transponder	ON 7000 GND
20. Throttle After 2 Min Continue	2500 RPM =OIL TEMP >50°
21. Starter Key	TO ACC
22. Lamp Test Button	LIGHTS CHECH

BEFORE TAXI

1. QNH / Barometer	ADJUST
2. Radio ENKJ 119.1	RADIO CHECK / CLEARANCE
3. Breaks / Stearing / Flaps 0	CHECK / ADJUST

BEFORE DEPARTURE @ HOLDING / RUN UP

1. Breakes	BRAKES ON
2. Oil Cooler Flap	AS REQUIRED
3. Control Stick (Freedom of Movement)	CHECK SQUARE
4. Elevation Trim Control (Movement)	TO NEUTRAL POSITION
5. Flaps (Movement 0-1-2-3 → 1)	CHECK FLAPS 1 = 15°
6. Throttle (NB! Oil Min >50 °C)	ENGINE @ 4000 RPM
7. Lane A Max Drop 180 RPM	DROP + WARNING LIGHTS
8. Lane B Max Drop 180 RPM Max 75 diff	DROP + WARNING LIGHTS
9. Throttle Response (Not Exceed 5800RPM)	FULL + IDLE 1600 RPM
10. Circuit Breakers / Instruments	CHECK
11. Fuel Selector	SELECT BEST
12. AUX Fuel Pump	ON
13. Main Fuel pump OFF	OFF
14. Fuel Pressure	CHECK
15. Main Fuel Pump ON + AUX ON	CHECK BOTH ON
16. Landing Lights	ON
17. Rescue System + Emergency	REMOVE LOCK + REPEAT
Local: Wind, QNH, RW, Abort Points	CHECK RETURN >1000FT AGL

TAKE- OFF / ON RWY

1. Canopy	LOCKED
2. Oil Cooler Flap (Oil Over > 50°C)	CHECK IN
3. Compass ° / RWY Clear / Clearance	CHECK & APPROVED
4. Take-Off Time	NOTED
5. Throttle Max	MAX & RPM > 5000
6. Airspeed Check	AIRSPEED 43 KTS ROTATE

CLIMBING

1. Airspeed m/ Flaps 1	70-76 KTS
2. Flaps retracting 0	IN AT 200 FT AGL
3. Oil Cooler Flap	OIL TEMP CHECK

CRUISE

1. Cruise Best Economy (65-75%)	@ 4800-5000 RPM
2. AUX Fuel Pump	OFF MIN >1000 FT AGL
3. Landing Lights	OFF
4. Oil Cooler Flap	OIL TEMP 90°- 110°C
5. Fuel Selector	SELECT BEST

*1 IF WARNING LIGHTS = RUN NEW LANDE A+B & IGNITION CHECK.

IN CRUISE CHECK - II

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|---------------------------------------|------------------------|
| 1. Oil Cooler Flap | OIL TEMP CA 90°- 110°C |
| 2. Fuel Selector | SELECT BEST |
| 3. Lights / Instruments / (AUX – OFF) | CHECK |

APPROACH

- | | |
|--------------------------------------|-------------|
| 1. Seat,Belt | ADJUST |
| 2. Fuel Selector | SELECT BEST |
| 3. AUX Fuel Pump | ON |
| 4. Landing Lights | ON |
| 5. Instruments - Indicators - Lights | CHECK |

LANDING

- | | |
|-----------------------|------------------------------------|
| 1. Downwind | FLAP 1 + 75 KTS + TRIM |
| 2. Base | FLAP(1~2) + 65 KTS+ LOOKOUT |
| 3. Finale & RWY Clear | FLAP(2~3)+ 60 KTS |

AFTER LANDING

- | | |
|-------------------|------------------------|
| 1. Flaps | RETRACT UP 0 |
| 2. AUX Fuel Pump | OFF |
| 3. Touchdown Time | NOTED |
| 4. Landing Lights | OFF = CLEAR OF RWY |
| 5. Transponder | GND 7000 =CLEAR OF RWY |

PARKING & SECURING AIRCRAFT

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|--|---------------------------|
| 1. Brakes | SET TO «PARK» |
| 2. Instruments, Avionics & Transponder | OFF |
| 3. ACL NAV | OFF |
| 4. Throttle | SET TO IDLE |
| 5. Lane B | SWITCH OFF (DOWN) |
| 6. Lane A (After B) | SWITCH OFF (DOWN) |
| 7. Main Fuel Pump | OFF |
| 8. HOBS Engine Time | NOTED |
| 9. MASTER | OFF |
| 10. Starter Key | OFF + OUT = In Door Hatch |
| 11. Rescue System | SECURED |
| 12. Flaps To Parking | FLAPS 1 = 15° |
| 13. Flight Plan ! | CLOSED |
| 14. IBBS | OFF |

Transponder

VFR Flying 7000

COM Failure 7600

Emergency 7700

Radio Emergency MAYDAY 121.5

EMERGENCY PROCEDURES**ENGINE FAILURE – FLY FLYET!**

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|-------------------------|---------------------|
| 1. Airspeed | 65 KTS |
| 2. Landing | FIELD SELECTION |
| 3. Fuel Selector | BESTE |
| 4. Fuel Pump AUX + MAIN | ON (UP) |
| 5. Throttle | 1,5 TURN |
| 6. Lane A + B | BOTH ON (UP) |
| 7. Starter Key | RE-START |
| 8. Seat,Belt | ADJUST |
| 9. Radio / Transponder | 121.5 / SQUAWK 7700 |

Rescue System: Min >300 FT AGL + Lane A+B OFF + Fuel OFF + <60 KTS

ENGINE FIRE

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|--------------------|-----------|
| 1. Fuel Selector | OFF |
| 2. Throttle | FULL |
| 3. LANE A + B | OFF |
| 4. Extinguish Fire | SIDE SLIP |

FIRE IN COCKPIT

- | | |
|-----------------------|-----------|
| 1. Fire | LOCALIZED |
| 2. LANE A+B | OFF |
| 3. MAIN+AUX Fuel Pump | OFF |
| 4. Master | OFF |

STALL

@ 472,5 kg

@ 600 kg

FLAPS 0

45 KIAS

48 KIAS

FLAPS 15

41 KIAS

45 KIAS

FLAPS 24

38 KIAS

43 KIAS

FLAPS 35

35 KIAS

41 KIAS

CROSSWIND LANDING (MAX 24 KNOP)

FLAPS Flap (1~2)

Speed 65 KTS

AIRSPEED

Vne: 150 KIAS

Vra : 122 KIAS

Vfe : 75 KIAS

Vno: 135 KIAS

Vle : 135 KIAS

Vlo : 75 KIAS