BEFORE ENGINGE START

Preflight Inspection COMPLETED
According to Handbook, Cpt. 4.3
Rudder Pedal Position SET
Seat belts
Flight ControlsCHECKED
Canopy LOCKED
Parking Break SET
Apply pressuere and set, then 'pump'.
Use of ext. Power:
See notes in Handbook Cpt. 4.4.2

ENGINGE START

Circuit Breakers
Master Switch ON MFD Conf. amber "BACKUP BATT" msg. CAS message OFF
Backup Battery OFF GEN A/B ON Voltage M MIN. 12 V (Batt/Alt-C Bus) Fuel Selector MORE EMPTY TANK Propeller Control FINE
Fully forward Throttle

to be continued...

CONTINUE: ENGINGE START

co
Start Power ON (HOLD!) LANE A/B Lamps: wait till lamps turn OFF MFD Engige Indication CHECKED -> active and correct -> Fuel Pressure in Limits
Throttle
Coolant Tmp. <0°C Thrtl. >= 60%
Coolant Tmp. >0°C Thrtl. ca. 45%
Starter PRESSED
Hold "Start Power" and press "START"
until Eng. fires. Then release
Start-Button and "Start Power".
Oil Pressure CHECKED
Throttle IDLE
LANE A / B IND. LAMP OFF
Both switches remain ON!
The indicator lamps should go out.
Throttle 2500 RPM FOR 10 SEC
Voltage M / Voltage B 13.4 / 14.0 V

AFTER ENGINE START

Avionics
Voltage M CHECKED
Increaseing, nom. 13.8 V
EFISON
EFIS Power Source CHECKED
Verify NOT on internal Batt.
Baro PFD + MFD SET

ENGINE WARM-UP

Throttle

2500 RPM until oil temp > 50°C. Then set throttle to IDLE.

BEFORE TAXIING

Nav Light (at night) AS REQUIRED Landing-/Taxi-Light . . . AS REQUIRED A/C movina: Liahts on! PFD, stbu EFIS, MFD CHECKED ADHRS stabilised.

TAXIING

Keep RPM < 2500, taxiing with walking speed! Check breaks & steering. Ground Control CHECKED Brakes CHECKED Attitude/direction: PFD, MFD, stby EFIS

ENGINE RUN UP

to be continued...

Parking Brake SET Oil Temperature MIN 50°C Propeller Control FINE fully forwaard Landing-/Taxi-Light . . . AS REQUIRED A/C standing still: Lights off! **Pump and Fuel Supply Check** Throttle: 3000 RPM AUX Pump: ON, pressuere in limits AUX Pump Light: ON Main Fuel Pump: OFF Pressure still within limits. CHECKED | Mail Fuel Pump: ON Fuel Tank.....SIDES SWITCHED Fuel Tank.....FULLEST TANK

CONTINUE: ENGINE RUN UP

Wastegate/PVC/Lane

Confirm BRAKES are fully set. Throttle: FULL THROTTLE RPM: min 5700. max 5800 Manifold Pressure: within LIMITS Manifold Temp: Below 65°C Throttle: reduce to 4700 RPM LANF A: OFF Max drop 250 RPM (aft. 15 sec.) Check FNG Params in Limits! LANE A: ON (wait 3 sec.) LANF B: OFF Max drop 250 RPM (aft. 15 sec.) Check ENG Params in Limits! LANE B: ON (wait 3 sec.) Propeller Control CHECKED

Cucle 3 times. Move lever slow backwards, fast forward. Throttle IDLE CHECK

Trhottle SET 3000 RPM

BEFORE TAKE-OFF Instruments CHECKED Pitot-heat.....AS REQUIRED Flight Controls.....CHECKED Cockpit Canopy....CLOSED & LOCKED Seat Belts.....TIGHTENED AEPS System.....UNLOCKED store pin in middle compartment Engine Instruments CHECKED Flaps FLAPS 1 **Autopilot** Autopilot Switch: ON Engage, for each test Check if AP can be overpowered! Check AP Disconnect by: Any Trim input, AP-Disc. button. Trim.....T/O POSITION Autopilot Switch OFF Autopilot Panel LEDs ALL OFF

TAKE-OFF
Landing-/Taxi-Light AS REQUIRED
A/C moving: Lights on!
Brakes RELEASED
Propeller Control FULL FORWARD
Throttle FULL POWER
Airspeed Indication ALIVE
TAKE-OFF SPEEDS
Nosewheel Unstick 50 KIAS
Lift-Off60 KIAS
Initial Climb 70 KIAS
Flaps retract 75 KIAS
Not less than 150 ft AGL
Climb V_Y 78 KIAS

PWR	RPM	MAP
100 %	5500 RPM	40.5 inHg
75 %	5000 RPM	33.0 inHg
59 %	4500 RPM	25.5 inHg

DECENT

BEFORE LANDING

Seat BeltTIGHTENED
CockpitPREPARED
Autopilot DISENGAGED
Autopilot Switch OFF
ThrottleAS REQUIRED
Speed 83 KIAS
Flaps FLAPS 1
Trim AS REQUIRED
Landing Light ON
AUX PumpON
Final Approach
FlapsFLAPS 2
Speed 65 KIAS
TrimAS REQUIRED
Prop Control FINE (FORWARD)
Throttle SET
Approx. 7 inHG,
Maint. RPM > 2600

BALKED LANDING / GO-AROUND

ThrottleFULL FORWARD
Speed 70 KIAS
Flaps FLAPS 1
TrimADJUSTED
Climb
Follow T/O Procedures

LANDING

Throttle	CLOSED
Touch-down	MAIN WHEELS
Brakes	AS NEEDED
Flaps	RETRACT

AFTER LANDING

Flaps RETRACTED Engine Speed SET
Taxi with walking speed!
Landing-/Taxi-Light
Pitot Heat OFF
AUX Fuel PumpOFF
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SHUTDOWN

SHOTDOWN	
Parking Brake SET Landin-/Taxi-Light OFF Propeller Control FINE Engine Speed IDLE Instruments ALL IN LIMITS ALT-C OFF Check Volts M >= 13.4 V! min. 2min COOL-DOWN! Use timer in EFIS! Line A OFF after 2 sec, LAMP: ON	
Line B OFF	
Main Fuel PumpOFF	
AvionicsOFF	
EFIS OFF	
GEN A/B OFF	
Master OFF	
AEOS Locking Pin INSERTED	
Parking BrakeAS REQUIRED	

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PARKING AND TIE-DOWN

LANE Switches Checked ALL OFF Master Switch Checked OFF
Parking Brake SET
For short time parking only, for long time, use chocks!
for long time, use chocks!
Canopy CLOSED & LOCKED
Aircraft SECURED