BEFORE ENGINGE START

Preflight Inspection COMPLETED According to Handbook, Cpt. 4.3
Rudder Pedal Position SET
Seat belts TIGHTEN
Flight ControlsCHECKED
Canopy LOCKED
Parking BreakSET
Apply pressure 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 CLOSED
Strobe Light
Continues next column!

CONTINUE: ENGINGE START

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 Lever:
Coolant/Oil Tmp. $<10^{\circ}$ C >= 55%
Coolant/Oil Tmp. >10°C ca. 45%
% as indicated as "T" on MFD.
See HINT and Start Performance Chart
in Handbook Cpt. 4.4.3 on P. 4-8!
ENGINE START:
Hold "Start Power", THEN press "START"
until Eng. fires. Then release
Start-Button and "Start Power".
Throttle IDLE
Oil Pressure
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
ALT-CON
Voltage M CHECKED
Increasing, nom. 13.8 V
EFISON
EFIS Power Source CHECKED
Verify NOT on internal Batt.
Baro PFD + MFD SET
StbyEFIS, GTN are synced. MFD isn't!
Engine Warm-Up:
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 moving: Lights on!

PFD, stby EFIS, MFD CHECKED ADHRS stabilised.

TAXIING

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

ENGINE RUN UP

Parking Brake
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 in limits: CHECKED
Mail Fuel Pump: ON
Main Fact Famp. Off
Fuel Tank SIDES SWITCHED

Continues next column!

CONTINUE: ENGINE RUN UP

Wastegate/PVC/Lane

Verify 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 Cycle 3 times. Move lever SLOWLY backwards, but fast forward. Throttle IDLE CHECK

BEFORE TAKE-OFF

Instruments CHECKED
Pitot-heat AS REQUIRED
Flight ControlsCHECKED
Cockpit CanopyCLOSED & LOCKED
Seat BeltsTIGHTENED
AEPS System UNLOCKED
store pin in middle compartment
Engine Instruments CHECKED
Flaps FLAPS 1
Continues next page!

Trhottle SET 3000 RPM

CONTINUE: BEFORE TAKE-OFF

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-LightON BrakesRELEASED Propeller Control FULL FORWARD ThrottleFULL POWER Airspeed Indication . CHECKED: ALIVE
TAKE-OFF SPEEDS Nosewheel Unstick 50 KIAS
Lift-Off
Initial Climb 70 KIAS
Flaps retract 75 KIAS
Not less than 150 ft AGL
Climb V_Y 78 KIAS

CLIMB

Climbing Speeds

v_u best ROC 78 KIAS v_x best AOC 63 KIAS

Throttle FULL FORWARD

Prop Control

Set Engine Speed max. 5800 RPM for 5 min max continuous 5500 RPM

instruments T & P IN LIMITS AUX Pump OFF Fuel Pressure CHECKED

Landing Light AS REQUIRED

CRUISE

Fuel Selector

Switch every 25min, latest. Check for balanced quantity! See notes in AFM Cpt. 4.4.13. Throttle......AS REQUIRED Prop Control MAX. 5500 RPM Fuel Flow CHECKED Pitot Heat AS REQUIRED Changes in PWR:

PWR↑.....1. RPM - 2. MAP PWR↓.....1. MAP - 2. RPM

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

DECENT

Throttle 15...17 INHG Prop Control.....MAX 5000 RPM Airspeed......90...100 KIAS Pitot-Heat AS REQUIRED Do NOT reduce to IDLE in cold OAT environments!

BEFORE LANDING

Seat Belt
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

Throttle FULL FORW	WARD
Speed 70	KIAS
FlapsFL	APS 1
TrimADJU	
Climb V_Y 78	KIAS
Follow T/O Procedures	

LANDING

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

AFTER LANDING

Flaps	
Taxi with walking speed!	
Landing-/Taxi-Light	
Pitot Heat OFF	
AUX Fuel PumpOFF	

SHUTDOWN

וטווכ	DOWN		
Parkin Landi Prope Engin Instru ALT-C Chec min. Us Line <i>H</i>	ng Brake	OWN! S! OFF	
		CHECKED ON	
		OFF	
	-	OFF	
		OFF	
		OFF	
		0FF	
		0FF	
		INSERTEC	
Parkii	ng Brake	AS REQUIRED)

PARKING AND TIE-DOWN

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