

BEFORE START	
Pre-flight inspection	COMPLETED
Documents	CHECKED
Seats & harness	SECURE
Brakes	CHECKED and APPLIED
Master	ON
EFIS & battery backup	ON
Avionics	OFF
Beacon	ON
Fuel	QUANTITY/SELECT
Flaps	RETRACT IN STAGES
Propeller	FULL FINE
Prime	AS REQUIRED
Mixture	CLOSED
Ignition	KEY INSERTED

AFTER START	
RPM	1000 RPM
Oil pressure	CHECKED
Alternator	ON/CHARGING
Avionics	ON
Mixture	LEAN FOR TAXI
Magnetos	BOTH
Flaps	RETRACT IN STAGES
Instruments	CHECKED

TAXI	
Brakes	TESTED
Flight Instruments	CHECK

BEFORE TAKEOFF	
Brakes	HOLD
Fuel selection	SWITCH/SUFFICIENT
Temperatures & pressures	GREEN
Mixture	RICH
Magnetos	BOTH
Throttle	1500 RPM
Propeller	CYCLE 3X
Throttle	1800 RPM
Magnetos	CHECK (175/50)
Engine instruments	CHECK
Ammeter	CHARGING
Throttle	1000 RPM

Throttle friction	ADJUST
Trim	SET
Master	ON
Magnetos	BOTH
Mixture	SET
Propeller	FINE
Flight instruments	CHECK
Fuel	SUFFICIENT
Radios	SET
Gyros	SET
Beacon/nav/landing lights	ON
Fuel pump	ON
Flaps	SET
Flight controls	TEST
Hatches & harnesses	SECURE
Briefing	COMPLETE

SPEEDS	
Take off rotate speed (Vr)	70kt
Best angle of climb (Vx)	74 kt
Best rate of climb (Vy)	104 kt
Maximum full flap speed (Vfe)	87 kt
Maximum 20° flap speed	96 kt
Manoeuvring speed (Va)	123 kt
Landing final approach (Vref)	70 kt
Best glide (Vgl)	78 kt

LINE UP	
DI	CHECKED
Transponder	ON/ALT
Seats & harness	SECURE
Taxi lights	OFF
Landing/Strobes	ON

AFTER TAKEOFF	
Brakes	ENGAGE
Undercarriage	UP/FIXED
Throttle	TOP OF GREEN
Propeller	TOP OF GREEN
Mixture	RICH
Flaps	RETRACT
Fuel pump	OFF
Landing lights	OFF

CRUISE	
Fuel	CHECK/SELECT
Radios	AS REQUIRED
Engine	CHECKED
DI	SET
Altimeter	1013/QNH
Security	CHECKED

DOWNWIND	
Brakes	CHECK
Undercarriage	DOWN/FIXED
Mixture	FULL RICH
Propeller	AS REQUIRED
Throttle	AS REQUIRED
Fuel pump	ON
Flaps	SET
Landing lights	ON
Hatches & harnesses	SECURE

FINAL APPROACH	
Undercarriage	DOWN/FIXED
Propeller	FINE
Flaps	DOWN
Fuel pump	ON
Wind	CHECKED

AFTER LANDING	
Transponder	STANDBY
Landing lights/strobe	OFF
Flaps	RETRACT
Fuel pump	OFF
Mixture	LEAN FOR TAXI

SHUTDOWN	
Propeller	FINE
Throttle	IDLE FOR CHT DROP
Avionics	OFF
Magnetos	DEAD CUT
Mixture	IDLE CUT OFF
Magnetos	OFF AND REMOVE KEY
EFIS & EFIS Backup	OFF
Master	OFF