

1 IRIS PC-21 Abbreviated Checklist 19OCT22

BEFORE ENGINE START	
Fuel & Weight	Set as required
Park Brake	Set & Applied, Chocks Removed
BATT 1 & 2	ON
GEN 1 & 2	ON
External Power (if req'd)	Connected
Flight Controls	Full and Free Movement
Internal Lights	As required
OXY	OFF
PCL	Check full movement / FUEL OFF
Flaps Lever	UP
FIRE TEST 1 & 2	Check indications
LAMP TEST	Check indications
PMS	Guarded
ANTI-SKID	ON
AUTO-START	Guarded
STARTER/IGNITION	AUTO
Fuel Pumps	AUTO
Emergency Jettison	Guarded
External Fuel Pumps	AUTO
Trim Aid	ON
Trim Aileron Power	ON
Trim Indicator	Check function, set green
Landing Gear Handle	DN / 3 Greens
EMER LDG GR	IN
ARM Switch	OFF
SFD	Condition
UFCP	Condition
EMD	Condition
Compass	Condition
Clock	Condition
Left MFD	Condition
PFD	Condition
Right MFD	Condition
DWP	Condition
FMS	ON
INTAKE/PROP/PROBES	All OFF
External Lights	NAV On
FMS	Set as required
PTT	CTR
AMU	NORM
ECS Temp	As required
VCS	Guarded
Fan Speed	AUTO

ENGINE START	
HMD / VR (optional)	Fitted, Secure
CFS Pin	Removed / Stowed
Canopy	Close & Lock
Red ANTI-COLL Lights	ON
Oil Temp	> 40C
PCL	FUEL OFF
PMS	ON
AUTO START	Press
Engine Oil Press	Increasing
NG	Increasing
PCL	IDLE
ITT/NG	Monitor
Brakes	Pump
AFTER START	
NG	54% Minimum
Engine Oil Pressure & Temp	Green
Propeller	> 600 RPM
GEN 1 & 2	Check Volts
External Power	Disconnect
MC/HUD Switch	MC/HUD
INTAKE	As required
OXYGEN	ON, Check flow
Flaps	T/O, LDG, T/O
Airbrake	Cycle
UFCP	Set as required
Left MFD	Set as required
PFD	Set as required
Right MFD	Set as required
DWP/MFD	No Red/Amber captions
TAXI	
Landing Light	As required
Park Brake	OFF
Brakes	Checked
BEFORE TAKE-OFF	
Ejection Seat	Armed, Pins Removed
Oxygen	ON, Check flow
Airbrake	IN
Flaps	T/O
Trim Aid	ON
Trims	Green
Canopy	Closed/Locked
Flight Instruments	Synchronised
PROBES	ON
DWP/MFD	Check captions
Flight Controls	Full and Free
Emergency & Departure Brief	Completed

SIMULATION USE ONLY

LINE-UP	
TPDR	ON, Check Code, Mode C
RECOG Light	ON
White ANTI-COLL Light	ON
Compasses	Checked

AFTER TAKE-OFF	
LDG GR	UP when positive rate
Flaps	UP above 120KIAS

CLIMB-PERIODIC	
Fuel	Contents/Balanced
ENG Page	Checked
SYS Page	Checked
Oxygen	ON, Check flow

PRE-MANOEUVRE (HASELL)	
Height	Sufficient for recovery
Airframe	As required
Security	Harness / Loose articles secure
Engine	ENG Page, Fuel balanced
Location	Suitable
Lookout	Clear of other aircraft

DESCENT / REJOIN	
Fuel	Contents/Balanced
Instruments	Synchronised
Radios/Avionics	As required
Altimeters	PFD/SFD Set

BEFORE LANDING	
Airspeed	Below 180 KIAS
Airbrake	IN
Landing Gear	DN / 3 Greens
Flaps	T/O
Brakes	Checked

FINAL	
Landing Gear	DN / 3 Greens
Flaps	LDG
Runway	Clear / Go-around if occupied
Clearance	As required

AFTER LANDING	
Flaps	UP
PROBES	OFF
RECOG Light	OFF
White ANTI-COLL Light	OFF

SHUTDOWN	
PCL	IDLE
Park Brake	ON
Landing Light	OFF
Oxygen	OFF
PCL	OFF
MC/HUD Switch	OFF
External Lights	OFF, when prop stopped
Canopy	Unlock & Open
BATT 1 & 2	OFF
HMD / VR (if fitted)	Remove

AVIONICS SETUP PROCEDURE (POST-START)	
LEFT MFD	
MAP / OVLY	Selected
RTE / AUT	Selected
MSN / DLINK	Selected
CTR / NUP	As required
Range	As required

PFD	
SPD	As Required
G Meter	Reset
NAV	As required
BP1	As required
CRS / HDG	As required
BP2	As required
Range	As required
Decision Height	As required
BARO	As required

RIGHT MFD	
Check HYD, ELEC, FUEL, ENG Pages	
SYS Page	Select for Taxi

SFD	
BARO	As required

UFCP	
COMM	COM1/2 Set as required
ILS	NAVI/2 Set as required
TCN	Set, Check T/R
TPDR	Set CODE, Mode 3/A
FUEL	Set BINGO, JOKER as req.

DWP	
Check	No red or amber items

AIRSPEED NORM OPS			
VR Rotate	90 KIAS	V Approach (Flaps LDG)	120 KIAS
VX Best Climb	150 KIAS	Glide	140 KIAS
VY Best Rate	200 KIAS	Threshold (Flaps LDG)	110 KIAS

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