**POWER UP**

(write in notes)

**PILOT’S / COPILOT’S COCKPIT SETUP**

(write in notes)

**DEPARTURE BRIEFING**

(P) “Crew Check-in”

 “Co Pilot”, “Load”

(P) **“BEFORE STARTING ENGINES Flows and Checklist”**

(*Check oxygen mask while waiting for battery…PRICE Check)*

|  |  |
| --- | --- |
| **Pilot**Exterior Lights (*The Pinch)*1. NAVIGATION LIGHTS – STEADY
2. STROBE TOP – RED
3. LEADING EDGE – as required

(*when APU comes on*)FADECs – RESETFUEL1. Fuel quantity and distribution – Checked
2. Transfer and crossfeed switches – Off/Closed
3. XSHIP valve – Closed

Standby attitude indicator – Uncage*Pressure: 270 – 455…look for 300ish**Regulator**Indicator (Black – off, White – on)**Connections**Emergency (3 breaths)* | **Co Pilot**PRESSURIZATION panel1. Mode select – As required
2. LDG/CONST ALT – Set (*50’ above field elevation)*

“Clear APU” – “Clear” (LM)APU – RUN/APU1. APU alarm – OFF
2. APU control switch – START/RUN
3. EXT PWR/APU switch – APU

“Crew, standby override”(*after FADECs)*NIU – RESET1. AMU ENGINE – Select
2. ENG 1/2/3/4 – RESET NIUs (*use both hands)*

(*insert RMM card*)GHC – Check1. VHF/UHF – ON
2. OVRD – “Crew, check-in override”, NORM
3. VHF/UHF – OFF

(*AIR COND Panel – Set*)1. *CROSS FLOW VALVE – AUTO*
2. *TEMP – AUTO, temperature set*
3. *FLT STA POWER switch – ON (as required)*
4. *CARGO COMPT POWER switch – OFF*
5. *UNDERFLOOR – FAN*

Power levers, LSGI – GND IDLE, LOW (*1/4, 2/3)* |

(Checklist)

**STARTING ENGINES**

(P) “STARTING ENGINES checklist”

(CP) “Clear #3? “ – “#3 Clear” (LM)

(P) “Starting #3”

(P) “Box, Clock”

(CP) “Drop” (*in Bleed Air Press)*

(P) “NG, Eng Oil Press, FF (*hand moves to fire handle)*,

Light off, NP, Gr Box Press, BETA, Good Start”

(CP) “EXT PWR/APU in APU, Remove external

 equipment, Clear #4?”

(P) “Box, Clock”

(CP) “Drop” (*in Bleed Air Press)*

(P) “NG, Eng Oil Press, FF (*hand moves to fire handle)*,

Light off, NP, Gr Box Press, BETA, Good Start”

(*Repeat for 2 and 1)*

(P) FADECs – RESET

(*finish checklist)*

(*if first flight of the day*)

(CP) “Crew, HIGH SPEED GROUND IDLE”

**BEFORE TAXI**

(P) “BEFORE TAXI flows and checklist”

|  |  |
| --- | --- |
| **Pilot**F Eng ice / Wing/emp ice check1. Engine anti-ice – Test
2. ENG – ON

(a)ENG A/I ON (A) – Displayed (30 sec) (2) ANTI-ICE/DE-ICE – ANTI-ICE (1 sec), DE-ICE (a) The WING/EMP A/I TEST (A) – Displayed, removed (90 sec) (3) ENG – AUTO (a)ENG A/I ON (A) – RemovedProps AUTO (*ICE PROTECTION*)(*APU on? If so, LSGI)* F Pusher test (*PFD up w/ control wheel*)1. Power levers – Ground range
2. AMU, GCAS AND STALL – Select
3. PUSHER TEST – Select

(P) “*Push, release”* F AFCS (*pilot doing T/O does test last)*1. Pilot autopilot – engage and operate pitch and roll controls
2. Disconnect using control wheel button

Flight ControlsSeat belt (*ACAWS)*(*Clearance / Taxi Lights*) | **Co Pilot**(*Crew door closed)*Flaps – 50*(bring up pusher test*)F Pusher test (*PFD up*)(CP) “*Push, release”*F AFCS1. Repeat procedure using copilot control

Flight ControlsAPU bleed air – ClosedAIR COND panel1. CROSS FLOW VALVE – AUTO
2. TEMP – AUTO, temperature set
3. FLT STA & CARGO COMPT POWER – ON
4. UNDERFLOOR – HEAT/FAN

Radar – ON (*45 sec warm up, have Nav Radar up)*Trim1. Aileron and rudder – Zero
2. Elevator – Takeoff
3. Elevator trim tab switch – NORM

Seat belt |

(Checklist )

**BEFORE TAKEOFF**

(Checklist)

**LINEUP**

(P) “LINEUP flows and checklist”

|  |  |
| --- | --- |
| **Pilot**Pitot & NESA heat switches – ON(*after extended)*Exterior lights – (*all shiny switches forward)* | **Co Pilot**IFF – TransmitLANDING LIGHTS panelT DEFENSIVE SYSTEMS panel 1. MASTER switch – OPR
2. CMDS MODE switch – *Standby*
3. CMDS MAN PRGMS – *Standby*

*ACAWS* |

***TAKEOFF (Left Seat)***

*\*If Co-pilot does the Takeoff, he/she is still responsible for Copilot Flow*

*(P) (Set power to T/O) “Power’s set”, steer with left hand on nose-wheel*

*(CP) (Verify engine instruments) “Power’s checked”, holding crosswind controls on yoke*

*(P) 50 KIAS, “Pilot’s controls”, left hand comes onto the yoke*

*(CP) “Rog, pilot’s controls”, transfers aircraft control and calls, “Rotate”*

*(P) (Take about 3 sec to rotate to bugged Flight Path Angle, V­MaxGr = 168) “Climbing, Gear up”*

*(CP) “Rog, gear’s coming up” (Turn off Taxi lights, others light as required. Aux pump – Off)*

*“Gear’s up, indicators out”*

*(P) (Visually verify gear is up and indicators are out) “Flaps up safety speed (VOBS + 25), flaps up, After T/O checklist” (VMaxFlaps 50 = 183)*

*(CP) “Rog, Flaps up safety speed.” (Move flaps up) “Flaps tracking up”… “Flaps are up”*

*(P) Visually verifies flaps are up*

*(CP) Check pressurization. Finish checklist.*

**APPROACH**

*Work in a logical flow from the CNBP left (P) or right (CP)*

*Comm radios*

*NAVAIDS*

*AMU*

 *NAV SELECT*

 *GCAS*

*REF/MODE panel*

 *Baro Altimeter*

 *RAD ALT/FPA (-2.5 for ILS)/MINS*

*ACAWS*

*CNI-MU*

 *LEGS*

 *TOLD INIT*

*HUD – LIDS check, Offside*

*Seat Belt*

|  |  |
| --- | --- |
| **Pilot**Arrival Briefing*Center noswheel* | **Co-pilot**Ice Protection panel1. Wing/Eng – ON (as req)
2. Anti-Ice – (as req)

Pressurization – Set field field elevation +50Fuel Panel – *everything closed and off*Landing Lights – as reqNav Solution - *2* |

(Checklist)

**BEFORE LANDING**

*\*On radar base, slow to 170*

*(P) (At 170 knots on final) “Flaps 50, bug 150”*

*(CP) “Below 183, flaps tracking 50”… “Flaps are set 50”*

*(P) (Visually verify flap position) “On speed, gear down, Before Landing checklist”*

*(CP) “Below 168, gear’s coming down”… “Gear is down, indicators checked” (Turn on Landing / Taxi lights, Aux pump – ON)*

*(P) (Visually verifies gear and indicators, centers nose wheel)*

*(finish checklist)*

**AFTER LANDING**

|  |  |
| --- | --- |
| **Pilot***“Flaps up, after landing checklist”*Ice Protection – OFF/AUTO, De-IceExterior Lights – (*The pinch)* | **Copilot***(Ground)*FLAPS – UP*Downspeed – 1, 2, 4*RADAR – Modes / PWR – OFFExterior Lights – as reqIFF – as reqAPU – RUNEXT PWR / APU – APUOpen window*Downspeed - 3* |

(Checklist)

**ENGINE SHUTDOWN**

(P) Nose wheel – Centered

(CP) LSGI (2 min)

(P) Props – Feather

(P) Stby att indicator – Cage

(P, CP) Oxygen – OFF

(P) Clear Exits – Insert chocks

(P) Parking Brake – Release

(CP) Suction Boost Pumps, Aux Pump – OFF,

Emer Brake – EMER

**BEFORE LEAVING AIRCRAFT**

|  |  |
| --- | --- |
| **Pilot**FLT CMPLT (Prog 2/4) – SelectProp Control - NormalOil shutoff valves – CloseExterior Lights - (*shiny switches back*)HUD – Cover and stow | **Copilot**Oil Cooler Flaps – OPEN, fixed(AMU, NAV SELECT) EGI – OFFAIR COND – SetBLEED AIR – ClosedData trans card – as reqSecure voice – zeroize / offEXT PWR / APU – as reqAPU – STOP (*monitor shutdown*)Exterior Lights – OFFBTRY – OFFEmer exit lts – ExtinguishHUD – Cover and stow |