**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 – RESET  FUEL   1. 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 panel   1. Mode select – As required 2. LDG/CONST ALT – Set (*50’ above field elevation)*   “Clear APU” – “Clear” (LM)  APU – RUN/APU   1. APU alarm – OFF 2. APU control switch – START/RUN 3. EXT PWR/APU switch – APU   “Crew, standby override”  (*after FADECs)*  NIU – RESET   1. AMU ENGINE – Select 2. ENG 1/2/3/4 – RESET NIUs (*use both hands)*   (*insert RMM card*)  GHC – Check   1. 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 check   1. 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) – Removed  Props 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 Controls  Seat 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 AFCS   1. Repeat procedure using copilot control   Flight Controls  APU bleed air – Closed  AIR COND panel   1. 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)*  Trim   1. 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 – Transmit  LANDING LIGHTS panel  T 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 panel   1. Wing/Eng – ON (as req) 2. Anti-Ice – (as req)   Pressurization – Set field field elevation +50  Fuel Panel – *everything closed and off*  Landing Lights – as req  Nav 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-Ice  Exterior Lights – (*The pinch)* | **Copilot**  *(Ground)*  FLAPS – UP  *Downspeed – 1, 2, 4*  RADAR – Modes / PWR – OFF  Exterior Lights – as req  IFF – as req  APU – RUN  EXT PWR / APU – APU  Open 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) – Select  Prop Control - Normal  Oil shutoff valves – Close  Exterior Lights - (*shiny switches back*)  HUD – Cover and stow | **Copilot**  Oil Cooler Flaps – OPEN, fixed  (AMU, NAV SELECT) EGI – OFF  AIR COND – Set  BLEED AIR – Closed  Data trans card – as req  Secure voice – zeroize / off  EXT PWR / APU – as req  APU – STOP (*monitor shutdown*)  Exterior Lights – OFF  BTRY – OFF  Emer exit lts – Extinguish  HUD – Cover and stow |