

FS2Crew PMDG B77X SOP Reference v2

- +55 Minutes: Preflight events routine starts. FO: *How are you?* Reply: *I'M GREAT / I'M FINE / I'M OKAY / I'M TERRIBLE*
- +54 Minutes: ELECTRICAL POWER UP PROCEDURE: BATTERY SWITCH - ON / COCKPIT LIGHTS - AS REQUIRED (IF NIGHT, TURN ON THE DOME LIGHT) / C1 AND C2 PRIMARY PUMP SWITCHES - OFF / DEMAND PUMP SELECTORS - OFF / WIPERS - OFF / LANDING GEAR LEVER - DOWN / ALTERNATE FLAP SELECTORS - OFF / BUS TIE SWITCHES - AUTO / IF EXTERNAL POWER REQUIRED: PRIMARY AND SECONDARY EXTERNAL POWER BUTTONS - PUSH / IF APU POWER IS DESIRED: APU GENERATOR - ON. APU SELECTOR - START, THEN ON / EXTERNAL LIGHTS - AS REQUIRED
- +54 Minutes: PRELIMINARY PRE-FLIGHT PROCEDURE: ADIRU - OFF FOR 30 SECONDS THEN ON / STATUS DISPLAY - CHECK (OXYGEN, HYDRAULICS AND ENGINE OIL) / COMM DISPLAY - PUSH / PARKING BRAKE - SET TO PARK / ATIS - OBTAIN / CDU - SETUP
- +40 Minutes: FO goes out for walkaround
- +29 Minutes: FO returns from walkaround
- +24 Minutes: (Passenger version only) Gate agent or FA asks if it's okay to start boarding. Reply: *YES / GO FOR IT.*
- +19 Minutes: PRE-FLIGHT FLOW: EFIS CONTROL PANEL - SET / MCP - SET (CAPT'S FD ON / A/T ON) / OXYGEN TEST / VERIFY FLIGHT INSTRUMENTS / VERIFY FUEL CONTROL SWITCHES - CUTOFF
- +15 Minutes: PREFLIGHT CHECKLIST (PLEASE) → Oxygen: *Tested 100 %* / Flight instruments: *Heading ____, Altimeter ____* (e.g. *HEADING TWO ONE FIVE ... ALTIMETER TWO NINE NINE TWO*) / Parking brake: *Set* / Fuel control switches: *Cutoff*
- +13 Minutes: Run the DEPARTURE BRIEFING (BR or *ARE YOU READY FOR THE DEPARTURE BRIEF? ... ANY QUESTIONS?*)
- +7 Minutes: (Passenger version only) The Loadsheets arrive. Reply: *THANK YOU / OKAY / THANKS*
- +5 Minutes: Turn on the APU if it's not already running.
- +3 Minutes: (optional) COCKPIT TO GROUND / GROUND FLIGHT DECK → *CAN WE PRESSURIZE THE HYDRAULICS?*
- +2 Minutes: Cargo and Passenger doors close.
- +1 Minutes: (Passenger version only) FA reports the cabin is ready for departure. Reply: *THANK YOU / OKAY / THANKS*
- +0 Minutes: BEFORE START PROCEDURE → FO will ask you if we are cleared to pressurize. Reply: *YES*
- BEFORE START FLOW: CDU TO TAKEOFF REF PAGE / MCP SPEED V2 / ARM LNAV & VNAV / INITIAL HDG/TRK SET / INITIAL ALTITUDE SET / SET T/O TRIM / OBTAIN PUSHBACK/START CLEARANCE / AFTER FO COMPLETES HIS FLOW, SPEAK: *CANCEL EICAS* (EYE-CAS) IF ANY EICAS MESSAGES STILL VISIBLE
- BEFORE START CHECKLIST (PLEASE) → Flight deck door (Pax Models): *Closed and locked* / Passenger Signs (Pax Models): *__* / Supernumerary signs (Freighter model): *__* / MCP: *V2 XXX, HEADING/TRACK XXX, ALTITUDE XXXX* (Trigger: altitude value, e.g.: *ALTITUDE 5 THOUSAND*) / Takeoff speeds: *V1 XXX, VR XXX, V2 XXX* (Trigger: V2 value, e.g.: *VEE TWO ONE FOUR THREE*) / CDU preflight: *Completed* / Trim: *XX Units 0 and 0* (e.g.: *4 POINT ZERO UNITS ZERO AND ZERO*) / Taxi and takeoff briefing: *Completed* / Beacon: *On*
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- CABIN CREW ARM SLIDES → *START SEQUENCE IS 1 THEN 2 / START SEQUENCE IS 2 THEN 1* → *START ENGINE 1 / START ENGINE 2 / START LEFT ENGINE / START RIGHT ENGINE / START BOTH ENGINES* (As Captain, you set the Fuel Control levers to Run.)
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- FLAPS 5 / FLAPS 15 / FLAPS 20 → BEFORE TAXI FLOW: FLIGHT CONTROLS CHECK
- BEFORE TAXI CHECKLIST (PLEASE) → Anti-ice: *__* / Recall: *Checked* / Autobrake: *RTO* / Flight controls: *Checked* / Ground Equipment: *Clear*
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- When ready to taxi: *CLEAR LEFT*. (PAX model Only: When the cabin is secure the FO will announce "The Cabin is Secure".)
- BEFORE TAKEOFF FLOW: SET TERRAIN & WEATHER DISPLAY AS NEEDED / RE-BRIEF THE DEPARTURE AS NEEDED
- BEFORE TAKEOFF CHECKLIST (PLEASE) → Flaps: *FLAPS X* → BEFORE TAKEOFF CHECKLIST COMPLETE after the FO.
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- RUNWAY ENTRY PROCEDURE
- TAKEOFF → FO: *80 KNOTS*; reply *CHECK* → FMA Thrust Mode change: *HOLD* → FO: *POSITIVE RATE*; *GEAR UP* → Clean the aircraft up on schedule: *FLAPS 5 / FLAPS 1 / FLAPS UP*
- AFTER TAKEOFF CHECKLIST (PLEASE) → Landing Gear: *Up* / Flaps: *Up* → At 10,000 feet, the FO will turn off the Landing lights (unless otherwise selected in the CFG options) and select Airport on his EFIS panel.
- Passing the Transition Altitude press the STD button on the Captain's EFIS panel: *TRANSITION ALTITUDE STANDARD SET*

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- Prior to ToD (50-100nm), run the Approach Brief: BR or **ARE YOU READY FOR THE APPROACH BRIEF? ... ANY QUESTIONS?**
- The FO will run his Descent Flow after the brief has been completed.
- (Optional) **NOTIFY THE CABIN TO PREPARE FOR LANDING (PLEASE)** → The FO will double chime the seat belts.
- Prior to the Top of Descent: **DESCENT CHECKLIST (PLEASE)** → Recall: **Checked** / Notes: **Checked** / Autobrake: **___** (e.g. **OFF / SET / LEVEL 1 SET -> LEVEL 4 SET / MAX AUTO SET**) / Landing Data: **VREF ___**, **Minimums ___ Feet** (e.g. **VREF IS ONE FOUR TWO ... MINIMUMS TWO FIVE FIVE FEET**) / Approach Briefing: **Completed**

→ When descending through the TL set the local pressure on the Captain's altimeter; **TRANSITION LEVEL ALTIMETERS RESET XXXX**

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- **APPROACH CHECKLIST (PLEASE)** → Altimeters: **___ Set** (e.g. **TWO NINE EIGHT FOUR SET**)
 - Passing 10,000 feet, the FO will turn on the Landing, Taxi and Runway Lights. He will also set the Seatbelt Sign to On.
 - Extend the Flaps on Schedule: **FLAPS 1 / FLAPS 5 / FLAPS 15 / FLAPS 25 / FLAPS 30** → **GLIDE SLOPE CAPTURE / LOCALIZER CAPTURE** when the Glideslope and Localizer are captured.
 - If using the A/P, set the Missed Approach Altitude in the MCP and say: **MISSED APPROACH ALTITUDE SET**. If flying manually, say: **SET MISSED APPROACH ALTITUDE XXXX**
 - **GEAR DOWN** when desired.
 - After the final landing flap has been selected: **LANDING CHECKLIST (PLEASE)** → Speedbrake: **ARMED** / Landing Gear: **DOWN** / Flaps: **___** (e.g. **FLAPS 20 / FLAPS 25 / FLAPS 30**) → **LANDING CHECKLIST COMPLETE** after the FO.
 - When cleared to land: **CLEARED** → When landing confirmed: **LANDING**
 - OPTIONAL VOICE CALL DURING LANDING: **MANUAL BRAKING**

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- After landing: **OKAY TO CLEAN UP** → **AFTER LANDING FLOW**: SPEEDBRAKE DISARMED / WXR RADAR AND TERRAIN OFF.
 - When turning into the stand or gate, command the FO to turn off the taxi light (**TAXI LIGHT OFF**) and inform the FA's to disarm the doors .
 - **LIGHTS AND DOORS** → The FO will turn off the taxi and rwy turn off lights and attempt to disarm door L2 if using the Pax model.
 - After arriving at the stand/gate, set the parking brake and shutdown the engines. Then **CABIN CREW DOORS MAY BE OPENED**.
 - **SHUTDOWN FLOW**: PARKING BRAKE SET / IF THE APU IS NOT RUNNING, ASK THE GROUND CREW TO CONNECT EXT PWR PRIOR TO SHUTTING DOWN BOTH ENGINES OR YOU WILL LOSE POWER! / FUEL CONTROL SWITCHES CUTOFF / AFTER WHEEL CHOCKS ARE IN PLACE RELEASE PARKING BRAKE (Ground Crew will insert the chocks a few moments after the beacon is turned off).
 - **FO'S SHUTDOWN FLOW** (Trigger: Capt sets Parking Brakes and Right Fuel Control switch in Cutoff. If GPU pwr desired, set the Left Fuel Control switch to Cutoff after the GPU is on-line or YOU WILL LOSE POWER!): IF NIGHT, DOME LIGHT ON / SEAT BELT SIGNS OFF / HYDRAULICS OFF / FUEL PUMPS OFF / EAI/WAI AUTO / BEACON OFF / FDs OFF / TRANSPONDER OFF / STATUS MESSAGE CHECK
 - NOTE**: FS2Crew will attempt to insert the chocks automatically during the shutdown flow. Ensure the FO's FMC has power or it won't work! **NOTE**: If you have selected to have the GPU automatically connect at gate arrival via the CFG options, only shut down the right engine after external power is connected and on-line! Once the GPU is connected and on-line (don't forget to press the AVAIL light on the Overhead Panel so the GPU is providing power to the aircraft), then you may shut down the left engine.
 - **SHUTDOWN CHECKLIST (PLEASE)** → Hydraulic panel: **Set** / Auxiliary fuel switch (if installed): **Off** / Fuel pumps: **Off** / Flaps: **UP** / Parking Brake: **___** / Fuel control switches: **CUTOFF** / Weather Radar: **Off**

If you desire to make a 2nd leg, press the DOWN ARROW BUTTON on the FS2Crew Panel to advance the displayed Mode back to PRE-FLIGHT CHECKLIST and run the PF Events again as desired. If leaving the aircraft unattended, ask the FO to secure the aircraft.

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- **SECURE THE AIRCRAFT PLEASE** → FO'S SECURE FLOW: ADIRU OFF / EMERGENCY LIGHTS OFF / PACKS OFF / EXTERNAL POWER SWITCHES ON TO PREVENT NUISANCE EFB / APU OFF / BATTERY OFF
- The SECURE CHECKLIST is ready silently by the Captain (if using the ECL, the Captain would also complete the checklist).

COCKPIT TO GROUND / GROUND FLIGHT DECK ● PLEASE (DIS)CONNECT THE GPU/EXTERNAL POWER ● PLEASE (DIS)CONNECT THE AIR CONDITIONING UNIT/CART ● APU ON/OFF ● SEAT BELTS SIGNS ON/OFF/AUTO ● CENTER PUMPS OFF ● VISUAL (Used during an approach. FO will no longer make approach callouts) ● CANCEL LAST COMMAND (Used if an autopilot value like heading does not stop spinning). ● SET AND CHECKED (Used if you are unable to reply to a Checklist item using the expected syntax)