

PMDG 777 Checklist

Preflight (Gate)

Electrical Power UP

| Item | Setting/Condition |
|--|-------------------|
| BATTERY switch | ON |
| C1 and C2 PRIMARY pump swiches | OFF |
| DEMAND pump selectors | OFF |
| WIPER selectors | OFF |
| Landing gear lever | DOWN |
| ALTERNATE FLAPS selector | OFF |
| BUS TIE switches | AUTO |
| If external power is desired | Illuminated |
| PRIMARY EXTERNAL POWER AVAIL light | Illuminated |
| PRIMARY EXTERNAL POWER switch | Push |
| If the SECONDARY EXTERNAL POWER AVAIL light is | Illuminated |
| SECONDARY EXTERNAL POWER switch | push |
| If APU power is desired | Push Verify ON |
| APU selector | START then ON |

Preliminary Preflight Procedure

| Item | Setting/Condition |
|--------------|-------------------------|
| ADIRU switch | OFF 30 seconds, then ON |
| ON BAT | extinguished |
| OFF light | extinguished |

| Item | Setting/Condition |
|-----------------------------|--|
| STATUS display | Check, verify that only expected messages are shown |
| Overhead maintenance panel | Guards closed. Verify that all lights are extinguished |
| CARGO TEMPERATURE selectors | As needed |
| Parking Brake | As needed |
| CDU Preflight Procedure | Complete |

Preflight Procedure First Officer

| Item | Setting/Condition |
|--|---|
| THRUST ASYMMETRY COMPENSATION SWitch | AUTO |
| PRIMARY FLIGHT COMPUTERS DISCONNECT switch | Guard Closed. Verify that the DISC light is extinguished |
| BATTERY switch | ON. Verify that the OFF light is extinguished |
| IFE/PASS SEATS power switch | ON. Verify that the OFF light is extinguished |
| CABIN/UTILITY power switch | ON. Verify that the OFF light is extinguished |
| APU GENERATOR switch | ON. Verify that the OFF light is extinguished |
| BUS TIE switches | AUTO. Verify that the ISLN lights are extinguished |
| GENERATOR CONTROL switches | ON. Verify that the OFF light is extinguished |
| DRIVE Lights | illuminated. |
| BACKUP GENERATOR switches | ON. The OFF lights stay illuminated until the respective engine is started. |
| APU selector if needed | START, then ON |
| L WIPER selector | OFF |
| EMERGENCY LIGHTS switch | Guard closed |
| PASSENGER OXYGEN SWITCH | Guard closed, safety wired |
| WINDOW HEAT switches | ON. Verify that the INOP lights are extinguished |
| RAM AIR TURBINE UNLOCKED light | Verify extinguished |
| LEFT and RIGHT ENGINE PRIMARY pump switches | ON. Verify that the FAULT lights are illuminated |
| Center 1 and Center 2 ELECTRIC PRIMARY pump switches | OFF. Verify that the FAULT lights are illuminated |
| DEMAND pump selectors | OFF. Verify that the FAULT lights are illuminated |
| SEAT BELTS selector | OFF |
| OVERHEAD panel light control | Mid position |
| CIRCUIT BREAKER panel light control | Mid position |

| Item | Setting/Condition |
|---------------------------------|--|
| MASTER BRIGHTNESS switch | ON |
| MASTER BRIGHTNESS control | As needed |
| GLARESHIELD PANEL light control | Mid position |
| FLOOD light control | Mid position |
| LANDING light switches | OFF |
| APU BTL DISCH light | extinguished |
| APU fire switch | IN. Verify that the APU fire warning light is extinguished |
| CARGO FIRE ARM switches | OFF. Verify that the FWD and AFT fire warning lights are extinguished. |
| Cargo fire DISCH light | Extinguished |
| EEC MODE switches | NORM |
| START/IGNITION selectors | NORM |
| AUTOSTART switch | ON. Verify that the OFF light is extinguished |
| FUEL JETTISON NOZZLE switches | OFF. Verify that the VALVE lights are extinguished |
| FUEL TO REMAIN selector | In |
| FUEL JETTISON ARM switch | OFF. Verify that the FAULT light is extinguished |
| CROSSFEED switches | OFF. Verify that the VALVE lights are extinguished |
| FUEL PUMP switches | OFF |
| Test Switch | HOLD OVHT FIRE |
| WING anti ice selector | AUTO |
| ENGINE anti ice selectors | AUTO |
| BEACON light switch | OFF |
| NAVIGATION light switch | ON |
| LOGO light switch | As needed |
| WING light switch | As needed |
| INDICATOR LIGHTS TEST | As needed |
| RUNWAY TURNOFF light switches | OFF |
| TAXI light switch | OFF |
| STROBE light switch | OFF |
| EQUIPMENT COOLING switch | AUTO. Verify that the OVRD light is extinguished |
| RECIRCULATION FANS switches | ON |
| FLIGHT DECK TEMPERATURE control | mid AUTO position |

| Item | Setting/Condition |
|---|---|
| CABIN TEMPERATURE control | Mid position |
| PACK switches | AUTO. Verify that the OFF lights are extinguished |
| TRIM AIR switches | ON. Verify that the FAULT lights are extinguished |
| LEFT, CENTER and RIGHT ISOLATION switches | AUTO. Verify that the CLOSED lights are extinguished |
| ENGINE bleed switches | ON. The OFF lights stay illuminated until the respective engine is started. |
| APU bleed switch | AUTO. Verify that the OFF light is extinguished |
| OUTFLOW VALVE switches | AUTO. Verify that the MAN lights are extinguished |
| LANDING ALTITUDE selector | IN |
| R WIPER selector | OFF |
| MINIMUMS reference selector | RADIO or BARO |
| MINIMUMS selector | Set decision height or altitude reference |
| FLIGHT PATH VECTOR switch | As needed |
| METERS switch | As needed |
| BAROMETRIC reference selector | IN or HPA |
| BAROMETRIC selector | Set local altimeter setting |
| VOR/ADF switches | As needed |
| ND mode selector | MAP |
| ND CENTER switch | As needed |
| ND range selector | As needed |
| ND TRAFFIC switch | As needed |
| WEATHER RADAR | OFF |
| Map switches | As needed |
| FLIGHT DIRECTOR switch | ON |
| Oxygen | Test and set |
| FORWARD PANEL BRIGHTNESS controls | Mid position |
| NAVIGATION source switch | OFF |
| DISPLAY CONTROL source switch | OFF |
| AIR DATA/ATT source switch | OFF |
| INBOARD DISPLAY selector | MFD |
| FMC Selector | AUTO |
| GND PROX light | Extinguished |

| Item | Setting/Condition |
|--|---|
| FLAP OVERRIDE switch | OFF |
| GEAR OVERRIDE switch | OFF |
| Landing gear lever | Down |
| ALTERNATE GEAR switch | Guard Closed |
| AUTOBRAKE selector | RTO |
| EICAS display | Check |
| MFD Secondary ENGINE indications | Check |
| STATUS display switch | Push, check status messages |
| CHECKLIST display switch | Push, |
| Checklist screen, RESET and RESET ALL | Select |
| Center DISPLAY CONTROL source switch | OFF |
| CENTER PANEL BRIGHTNESS controls | Mid position |
| Left radio tuning panel | SET |
| WEATHER RADAR panel | SET |
| Center radio tuning panel | SET |
| Observer's audio control panel | As needed |
| ENG BTL 1 DISCH and ENG BTL 2 DISCH lights | Extinguished |
| Engine fire switches | IN. Verify that the LEFT and RIGHT fire warning lights are extinguished |
| Center CDU | SET |
| Right radio tuning panel | Set |
| First Officer audio control panel | As needed |
| Transponder ALTITUDE SOURCE selector | NORM |
| Transponder (XPNDR) selector | Set |
| Transponder mode selector | STB |
| Evacuation COMMAND switch if equipped | Guard closed |
| FLOOR LIGHTS switch | As needed |
| OBSERVER AUDIO selector | NORM |

Preflight Procedure Captain

| Item | Setting/Condition |
|------|-------------------|
|------|-------------------|

| | |
|---|---|
| MINIMUMS reference selector | RADIO or BARO |
| MINIMUMS selector | Set decision height or altitude reference |
| FLIGHT PATH VECTOR switch | As needed |
| METERS switch | As needed |
| BAROMETRIC reference selector | IN or HPA |
| BAROMETRIC selector | Set local altimeter setting |
| VOR/ADF switches | As needed |
| ND mode selector | MAP |
| ND CENTER switch | As needed |
| ND range selector | As needed |
| ND TRAFFIC switch | As needed |
| WEATHER RADAR | OFF |
| Map switches | As needed |
| FLIGHT DIRECTOR switch | ON |
| AUTOTHROTTLE ARM switches | ARM |
| Autopilot DISENGAGE bar | UP |
| HEADING/TRACK reference switch | As needed |
| BANK LIMIT selector | As Needed |
| VERTICAL SPEED/FLIGHT PATH ANGLE reference switch | As needed |
| ALTITUDE increment selector | As needed |
| Oxygen | Test and set |
| FORWARD PANEL BRIGHTNESS controls | Mid position |
| NAVIGATION source switch | Off |
| DISPLAY CONTROL source switch | Off |
| AIR DATA/ATTITUDE source switch | Off |
| INBOARD DISPLAY selector | MFD |
| HEADING REFERENCE switch | Normal |
| Flight instruments | Check |
| Integrated standby flight display or Analogue standby Instruments | Set |
| ALTERNATE PITCH TRIM levers | Neutral |
| SPEEDBRAKE lever | Down |
| Reverse thrust levers | Down |

| | |
|---|---|
| Forward thrust levers | Closed |
| Flap lever | Check UP |
| Parking brake | SET. Verify that the PARKING BRAKE SET message is shown |
| STABILIZER cutout switches | Guards closed |
| FUEL CONTROL switches | CUTOFF |
| FUEL CONTROL switch fire warning lights | Verify extinguished |
| ALTERNATE FLAPS ARM switch | OFF |
| ALTERNATE FLAPS selector | OFF |
| Captain audio control panel | Set as needed |
| PREFLIGHT CHECKLIST | Call |

Preflight Checklist

| Item | Setting/Condition |
|-----------------------|--------------------------|
| Oxygen | Tested 100% |
| Flight Instruments | Heading___, Altimeter___ |
| Parkign Brake | Set |
| Fuel Control Switches | CUTOFF |

Before Start Procedure

| Item | Setting/Condition |
|--------------------------|-------------------|
| CDU Preflight Procedure | Verify Complete |
| CDU display | SET |
| IAS/MACH selector | Set V2 |
| LNAV | Arm as needed |
| VNAV | Arm |
| Initial heading or track | Set |
| Initial altitude | Set |
| Exterior doors | Verify closed |
| Flight deck windows | Closed and locked |
| SEAT BELTS selector | AUTO |

| Item | Setting/Condition |
|--|---|
| Clearance to pressurize the hydraulic systems | Obtain |
| Right ELECTRIC DEMAND pump selector | AUTO. Verify that FAULT light is extinguished |
| Center 1 and Center 2 ELECTRIC PRIMARY pump switches | ON. Verify that the Center 1 FAULT light is extinguished. The Center 2 FAULT light may stay illuminated until after engine start because of load shedding |
| Left ELECTRIC DEMAND pump selector | AUTO. Verify that the FAULT light is extinguished |
| Center 1 and Center 2 AIR DEMAND pump selectors | AUTO. Verify that the FAULT lights are extinguished |
| LEFT and RIGHT FUEL PUMP switches | ON. Verify that the PRESS lights are extinguished |
| CENTER FUEL PUMP | ON NEED TO VERIFY PROPER QUANTITY |
| BEACON light switch | ON |
| CANCEL/RECALL switch | Push. Verify that only the expected alert messages are shown |
| CANCEL/RECALL switch | Push. Verify that the messages cancel |
| Transponder | XPNDR |
| Stabilizer trim | Set for TakeOff. Verify trim in Greenband |
| Aileron trim | Verify 0 degrees |
| Rudder trim | Verify 0 degrees |
| BEFORE START CHECKLIST | Call and perform |

Before Start Checklist

| Item | Setting/Condition |
|---------------------------|--------------------------------------|
| Flight Deck Door | Closed and locked |
| Passenger Signs | — |
| MCP | Read Speed, Heading and Altitude set |
| Takeoff Speeds | Read V1, V2 and VR from CDU |
| CDU Preflight | Complete |
| Trim | Read Elevator trim, 0, 0 |
| Taxi and Takeoff Briefing | Completed |
| Beacon | ON |

Engine Start Procedure

| Item | Setting/Condition |
|--|-------------------|
| Secondary engine display | Select |
| Start sequence | Announce |
| Engine START/IGNITION selector relevant engine | START |
| FUEL CONTROL switch relevant engine | RUN |
| OIL Pressure | Verify Increases |

Preflight (Taxi Out)

Before Taxi Procedure

| Item | Setting/Condition |
|---------------------------|---|
| APU selector | OFF |
| ENGINE ANTI ICE selectors | As needed |
| Flap lever | Set for Takeoff |
| Flight controls | CHECK |
| Recall | Check. Verify that only expected alert messages are shown |
| BEFORE TAXI CHECKLIST | Call and Perform |

Before Taxi Checklist

| Item | Setting/Condition |
|------------------|-------------------|
| Anti Ice | As Required |
| Recall | Checked |
| Auto Brake | RTO |
| Flight Controls | Checked |
| Ground Equipment | Clear |

Flight (Runway)

Before Takeoff Checklist

| Item | Setting/Condition |
|-------|-------------------------|
| Flaps | Confirm Set for Takeoff |

Flight (Cruise)

After Takeoff Checklist

| Item | Setting/Condition |
|--------------|-------------------|
| Landing Gear | UP |
| Flaps | UP |

Flight (Descent)

Descent Checklist

| Item | Setting/Condition |
|-------------------|-------------------|
| Recall | Checked |
| Notes | Checked |
| Autobrake | As required |
| Landing Data | VREF and Minimums |
| Approach Breifing | Complete |

Landing (Approach)

Approach Checklist

| Item | Setting/Condition |
|------------|-------------------|
| Altimeters | SET |

Landing (Touchdown)

Landing Checklist

| Item | Setting/Condition |
|--------------|-------------------|
| Speedbrake | Armed |
| Landing Gear | Down |
| Flaps | Set for Landing |

Landing (Taxi In)

After Landing Procedure

| Item | Setting/Condition |
|-------------------|-------------------|
| Speed Brake Lever | Down |
| APU | As needed |
| Exterior Lights | As Required |
| WX Radar | OFF |
| Auto Brake | OFF |
| Flap Lever | UP |
| Transponder | As Required |

Landing (Gate)

Shutdown Procedure

| Item | Setting/Condition |
|---|----------------------------|
| Parking Brake/Chocks | As Required |
| if APU needed after APU start | APU RUNNING message verify |
| If External power needed PRIMARY EXTERNAL POWER AVAIL light | Illuminated |
| PRIMARY EXTERNAL POWER switch | PUSH |
| SECONDARY EXTERNAL POWER AVAIL light | Illuminated |
| SECONDARY EXTERNAL POWER switch | PUSH |
| Fuel Control Switches | CUTOFF |
| FASTEN BELTS switch | OFF |
| C1 and C2 AIR DEMAND pumps selectors | OFF |
| Left ELECTRIC DEMAND pumps selector | OFF |
| C1 and C2 ELECTRIC PRIMARY pumps switches | OFF |
| RIGHT ELECTRIC DEMAND pump selector | OFF |
| FUEL PUMP switches | OFF |
| Beacon light switch | OFF |
| FLIGHT DIRECTOR Switches | OFF |
| Transponder mode selector | STB |
| SHUTDOWN CHECKLIST | Call and perform |

Shutdown Checklist

| Item | Setting/Condition |
|-----------------------|-------------------|
| hydraulic panel | SET |
| Fuel Pumps | OFF |
| Flaps | UP |
| Parking Brake | As Required |
| Fuel Control Switches | CutOff |
| weather Radar | OFF |

Secure Procedure

| Item | Setting/Condition |
|------|-------------------|
|------|-------------------|

| | |
|------------------------------|------------------|
| ADIRU switch | OFF |
| EMERGENCY EXIT LIGHTS switch | OFF |
| Pack switches | OFF |
| SECURE CHECKLIST | Call and Perform |

Secure Checklist

| Item | Setting/Condition |
|------------------|-------------------|
| ADIRU | OFF |
| Emergency Lights | OFF |
| PACKS | OFF |

Electrical Power Down

| Item | Setting/Condition |
|------------------------------|-------------------|
| APU or Ground Power Switches | OFF |
| BATTERY switch | OFF |

Revision #5
Created 14 April 2025 17:18:26 by Daniel Wolak
Updated 15 April 2025 22:44:44 by Gus Pacleb