Aircraft Checklists

checklists for aircraft

- PMDG 777 Checklist

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
STATUS display	Check, verify that only expected messages are shown

Item	Setting/Condition
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
MASTER BRIGHTNESS switch	ON

Item	Setting/Condition
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
CABIN TEMPERATURE control	Mid position

Item	Setting/Condition
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
FLAP OVERRIDE switch	OFF

Item	Setting/Condition
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 equiped	Guard closed
FLOOR LIGHTS switch	As needed
OBSERVER AUDIO selector	NORM

Preflight Procedure Captain

Item	Setting/Condition
MINIMUMS reference selector	RADIO or BARO

Item	Setting/Condition
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

Item	Setting/Condition
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

Item	Setting/Condition
SEAT BELTS selector	AUTO
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 Procedue

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
Exterrior 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