

**PMDG B737-800**  
**AUTHOR:**

**ABBREVIATED CHECK LIST**  
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**NORMAL PROCEDURES**  
**VERSION: 1.3**

*This checklist has been created for and is intended for flight simulator use only.  
It's a compromise between pure realism and having fun as a casual flightsim pilot.*

*Where possible, I've optimised workflow for single pilot operation and have included procedures like FMS steps and settings, but staying as close as possible to real checklists for the Boeing 737-800 PMDG model.*



**AIRCRAFT SPECIFICATIONS: ALL AFRICAN AIRWAYS / NEWSKY**

Dry Operating Weight	41 413 kg
Max Zero Fuel Weight	62 732 kg
Max Take Off Weight	79 333 kg
Max Landing Weight	66 361 kg
Cargo Limit	20 097 kg

<b>PRE-FLIGHT, INITIAL PREPRATION AND POWER UP</b>	
Aircraft	External Inspection
Panel State	As Required
Cockpit Door	Unlocked and Open (inop)
Time, Weather, Multiplayer Status	Configure, Check as Required
Controllers	Check
Thrustmaster	Gear, Down
(Reversers: Release Lock)	Parking Brakes, Released
(TO/GA: Button 2 on Joystick)	Fuel Cut-off Switches, Off
Parking Brakes	Set, As Required
Throttles	Closed
Flaps	Up
Spoilers	Up
Landing Gear	Down
Reverse Thrusters	Off
Fuel Cut-off levers	Cut-Off
External Lights	Off
Position Lights	Steady
Chocks	Secured
Battery	On, Guard Closed
Emergency Exit Lights	On, Guard Closed
Ground Power	Call, Connected
Ground Power	Available
Ground Power	On
Standby Power	Auto (Guard Closed)
Power Selector	Battery (Bat) (Guard Closed)
Battery Readouts	Observe, Check within Parameters
Left Fuel Pumps AFT	On
APU	On -> Start
Panel Lights	As Required
Aircraft Maintenance	As Required
Transponder	Stby
IRS L,R	Off -> Align -> Nav
APU EGT	Check Stable

APU Available	Check Light On
APU Generators	On
APU Bleed	On
Packs 1,2	Auto
Isolation Valve	Auto
Logo Lights	On
Wheel Well Lights	On
Voice Recorder	Auto
Cabin Temperatures	Set, As Required
Trim Air	On
Recirc Fans L,R	Auto
Cabin Doors	Open, As Required
Ground Services	As Required
Route	Plan, Simbrief
Flightplan	Compile, Submit, Edit, Save
Navigation Maps	Load (From Saved Flightplan)
Fuel	Request (Use FMC)
Payload	As Required (User FMC)
COG	Check
Passengers, Cargo	Board, Load
<i>Radio Call</i>	<i>Copy IFR Clearance</i>
Maximum Take-Off Weight	Check, Confirm in Range
Yaw Dampers	On
Cab/Util Switches	On
IFE Pax Seats	On
Window Heat Switches	On
Probe Heat Switches A,B	On
Wing Anti-Ice	Off
Engine Anti-Ice	Off
Hydraulic Pumps Switches 1,2,3,4	On
Flight Altitude	Set
Landing Altitude	Set
Alt Pressure Selector	Auto
Transponder	Set

<b>MAIN PANEL CONFIGURATION</b>	
Master Caution	Recall -> Reset
VOR Selectors 1,2	On
Flight Directors L,R	On (Recycle for turn-around flights)
Auto Throttle	Off
Course L,R	Runway Heading
Heading Dial	Departure Heading
Heading Dial	Set Bank Angle
Autopilot Disengage Bar	Up
<b>FLIGHT MANAGEMENT COMPUTER CONFIGURATION</b>	
FMC Setup	As Required
GPS Positioning	As Required
Route Details	Insert, Load
Takeoff Data	Insert
Departure and Arrival Data	Insert
Discontinuities	Check and Attend
Flight Plan	Execute
Trim	Set for Take-off (as per FMC)
MCP Speed	Set for Take-off (as per FMC)
Climb Profile	Set (240 knots below 10 000 ft)
Cruise Attitude, Initial Climb Altitude	Check
Progress Fuel Reserves	Check
<b>ACARS</b>	<b>Initiate, Start Flight, Check Online</b>
<b>BEFORE START CONFIGURATION</b>	
Auto-brakes	RTO
Altitude	Initial Cleared Altitude
Comms Frequencies	ATIS Frequency Set (As Required)
Navigation Frequencies VOR 1,2	Set (As Required)
Fire Warning Systems	Test
Cockpit Lights	Test
Fuel on Board	Check, Balanced
Passengers Boarding, Cargo Loading	Completed, Completed

<b>PUSHBACK AND ENGINES STARTUP</b>	
<i>Radio Call</i>	<i>Ready for Push and Start</i>
Fuel Pumps Aft, Fwd	All On, As Required
Seatbelt Signs	On
Engine Bleed Switches L,R	On
Anti Collision Lights	On
Wheel Well Lights	Off
Cockpit Door	Closed and Locked (inop)
Parking Brakes	Set
Chocks, Ground Services	Remove
Cabin Doors, Hatches	Closed, Crosscheck
Pushback Area	Clear
Pushback	Initiate
Parking Brakes	Release When Prompted
Chrono (Stopwatch)	Reset, Start
Throttles	Closed
Packs L,R	Off
Engine Ignition Switch	Alternate Between L,R
Engine 2 (Right) Start Switch	Ground
Engine 2 N2 Reading	Wait For 20-25% N2
Engine 2 Fuel Selector	Idle
Engine 2 Parameters	Check
Engine 2 Start Switch	Check Off
Engine 2 Start Valve	Check Off
Engine 1 (Left) Start Procedure	As for Engine 2
Parking Brakes	Set After Pushback as Prompted
Engine Generators 1,2	On
APU Generators	Off
Engine Bleed Switches 1,2	On
APU Bleed Switches	Off
APU Master Switch	Off
Packs L,R	Auto
Trim	Check for Take-off
Flaps	5 Degrees, As Required / Configured

Barometer Selection	HPA (Or as Required)
Local QNH (Main and Backup) L,R	Set (B)
Decision / Radio Height	Set (200 ft or as needed)
Initial Altitude	Check
<b>TAXI</b>	
Taxi Lights	On
Weather, Terrain Radar Systems	On, As Required
All Controls	Test
Parking Brakes	Released
<i>Radio Call</i>	<i>Request Taxi</i>
Thrust	Full (Check Annunciators)
Thrust	For Taxi (20 knots)
Brakes	Test
Taxi	As Required
Fuel on Board	Check
<b>ACARS</b>	<b>Online and Active</b>

<b>BEFORE DEPARTURE (HOLDING POINT)</b>	
Parking Brakes	Set
Auto Throttle	Arm
Autopilot Heading Selector	On
V-Nav	On
Runway Turn-off Lights	On
Landing Lights	On
Taxi Lights	Off
Engine Start Switch 1,2	Continuous
Position Lights	Strobe & Steady
Wing Lights	On
Wing, Engine Anti Ice	As Required
Cabin	Prepare for Departure Ping
TCAS	Test, TA/RA
TFC (Traffic)	On
<i>Radio Call</i>	<i>Ready for Departure</i>
Runway Approach	Clear
Local QNH L,R	Check (B)
Parking Brakes	Release
Line-up	As required
<b>Before Take-Off Checklist</b>	<b>Complete</b>
Flaps	Set for Take-Off
Trim	Set for Departure
Local QNH	Set (B)

<b>DEPARTURE</b>	
<i>Radio Call</i>	<i>Departure</i>
Thrust	40-50% N1
Engines, Systems	Check Stable
To/Go	Activate (Joystick Button 2)
Take-off Thrust	Set, Stable
Airspeed	Check Active
V1, VR, V2	Check, Announce
Rotate	As Required
Positive Rate of Climb	Gear Up
Flight Director	Follow
Autopilot	CMD A Engage
VNAV, LNAV	On (As Required)
Heading Selector	Off (As Required)
Flaps	Incremental Up
Engine Start Switches 1,2	Off
Gear	Off
Auto Brakes	Off
<b>After Departure Checklist</b>	<b>Complete</b>
Engine Bleeds 1,2	On
Packs L,R	Auto
Landing Gear	Up, Off
Flaps	Retracted, No Lights
<b>CLIMB</b>	
Navigation	Resume
Speed	As Required
Heading Bug	Update
Systems	Check
Wing, Engine Anti-Ice	As Required



<b>10 000 FEET</b>	
Landing Lights	Off
Runway Turn-off lights	Off
Seatbelt Signs	Auto, As Required
Systems	Monitor
Heading Bug	Update
<b>TRANSITION ALTITUDE</b>	
QHN	L,R Standard (1013 HPa)
<b>EN-ROUTE NAVIGATION</b>	
Systems	Check
Seatbelt Signs	As Required
Wing, Engine Anti-Ice	As Required
Heading Bug	Update
<b>BEFORE TOP OF DESCENT</b>	
Arrival	Plan, Destination METARS Review
Cockpit door	Closed and Locked (inop)
Auto-Pilot Systems	As Required
FMC	Program Arrival Data, STAR, Rway
FMC	Check for Discontinuities
FMC	Destination Range Rings As Required
FMC (Descent Forecast)	Destination Flight Level: Set
Comms Radio Frequencies	Destination ATIS frequency set
Nav Frequencies	Destination Frequencies set
Heading Bug	Update
Maximum Landing Weight	Check Within Limits
Destination Fuel Reserves	Check Within Limits

<b>DECENT</b>	
<i>Radio Call</i>	<i>Commencing Descent</i>
Initial Cleared Altitude	Set
Auto-Pilot Systems	As Required
Systems	Check
Speed and Descent Rate	Monitor
FMC Landing Flap settings	Select
Course L,R	Runway Or ILS Heading
Wing, Engine Anti-Ice	As Required
Heading Bug	Update
Terrain Radars	On, As Required
Autobrakes	Set, As Required
<b>Descent Checklist</b>	<b>Complete</b>
Pressurisation	Set
Landing Altitude	Set
Recall	Check, Reset
Autobrakes	Set
Landing Data	Set, VRef, Minimums
Approach Briefing	Complete
<b>10 000 FEET</b>	
Landing Lights	On
Runway Turn-off lights	On
Seatbelt Signs	On
Heading Bug	Update
Speed	As Required (<250 knits)
<b>TRANSITION ALTITUDE</b>	
QHN	QHN: L,R Local Set (B)

<b>INITIAL APPROACH</b>	
Local QNH	Check (B)
Bank Angle	Set, As Required
Wing, Engine Anti-Ice	As Required
Speed	As Required (+- 180 knots)
Flaps	As Required
Systems	Check
Engine Start Switch 1,2	Continuous
ILS Frequencies 1,2	As Required
Backup ILS	On, Approach
Heading Bug	Update
<b>APPROACH</b>	
Local QNH	Check (B)
Wing, Engine Anti-Ice	As Required
Autopilot	VOR/Localiser On, Armed
Localiser	Intercept
<i>Radio Call</i>	<i>Established on Localiser</i>
Speed	As Required
Flaps	Incremental Down
Speed Brakes	Armed
Heading Bug	Runway Heading
Cabin Crew	Prepare for Landing Ping
<b>Approach Checklist</b>	<b>Complete</b>
Altimeters	Local QNH Set (B)

<b>FINAL APPROACH (GLIDESLOPE)</b>	
Local QNH	Check (B)
Master Caution	Recall, Reset
Autopilot	App, Armed
Landing Gear	Down
Speed	As Required (+-160 knots)
Approach	Stable
Glide Slope	Intercept
FMC Landing Speed, Flap Settings	Check, Update
Speed	V-App
Flaps	Incremental Down
<i>Radio Call</i>	<i>Final Approach, Clear to Land</i>
Altitude	Missed Approach Altitude Set
Autopilot A,B	Engage for Auto-landing
<b>Before Landing Checklist</b>	<b>Complete</b>
Engine Start Switches 1,2	Continuous
Speed-brakes	Armed
Landing Gear	Down and Green
Flaps	Set and Green
Auto-brakes	Set
<b>LANDING</b>	
Autopilot	Disengaged (As Required)
Auto-Throttle	Off (As Required)
Touchdown	As Required
Thrust	Reverse Set (Joystick Button 1)
80 knots: Reverse Thrust	Off
Brakes	Apply
Auto-Brakes	Off
Runway	Vacate
<i>Radio Call</i>	<i>Clear of Active, Request Taxi</i>

<b>TAXI</b>	
Engine Start Switch 1,2	Off
Landing Lights	Off
Runway Turn-off Lights	Off
Taxi Lights	On
Position Lights	Steady
Flaps	Retract
Transponder	STBY
For turn-around flight: APU	Start
Taxi	To Gates as required
Weather, Terrain Radars	Off
Backup ILS	Off
Wing, Engine Anti-Ice	Off
Flight Directors L,R	Off
<b>TURN-AROUND SHUT-DOWN</b>	
Parking Brakes	Set
<i>Radio Call</i>	<i>In the Blocks, Request Shutdown</i>
APU	Check available
APU Generators	On
Engine Generators	Off
APU Bleeds	On
Engine Bleed Switches	Off
Fuel Cut-off Switches L,R	Off
Chrono L,R	Reset
Taxi Lights	Off
Engine 1, 2	Spooled Down
All External Lights	Off (Anti-Collision Light: End Newsky)
Chocks	Secure
Parking Brakes	Released
Seatbelt Signs	Off
Cabin and Cargo Doors	Open
Ground Services	As Required
Cockpit Door	Open (inop)
Passengers, Cargo	Deboard, Unload

<b>ACARS</b>	<b>End Flight, Submit PIREP</b>
Next Flight	Proceed with Pre-flight checklist