

PMDG BOEING 747-400 CHECKLIST

COLORS CODE: OVERHEAD THROTTLE MAIN RADIOS

PRE-FLIGHT

- BATT----- ON
- STBY POWER----- ON
- EXT POWER 1 & 2----- ON (Parking brakes ON--> Ground power available)
- APU----- START-->ON (Returns to start)
 - WHEN APU GEN 1 & 2 BECOME AVAIL-----ON
 - FUL PUMP 2 PRESS LIGHT OFF
 - EXT POWER 1-----AVAIL
- ELEC ENG CONTROL----- ON
- BUS TIE ----- AUTO
- GEN CONT----- ON
- HYD PUMPS DEMAND----- ALL 4 OFF
- HYD ENGINE----- ALL 4 ON
- UTILITY L & R----- ON
- NAV/LOGO/WINGS LIGHTS----- ON
- EMERGENCY LIGHTS----- ON
- FLAPS & GEAR----- CHECK (Flaps 0, Gear Down)
- IRS----- ALIGN
 - AFTER ALIGN----- SET IRS POS ON FMC
 - IRS----- NAV
- FUEL XFEED----- ALL 4 ON
- FUEL PUMPS----- ALL 16 OFF
- NACELLE & WING ANTI-ICE----- OFF
- WINDOWS HEAT----- ON
- YAW DAMPERS----- ON
- PASS TEMP & FLT DECK----- AUTO
- TRIM AIR----- ON
- VPR-RECIRC-LWR----- ON
- AFT CARGO HOLD----- ON
- GASPER----- ON
- A/C PACKS----- ALL 3 NORM
- L & R ISOLATION----- OPEN (Horizontal line visible)
- APU BLEED----- ON
- ENGINE BLEED----- ON

PROGRAMMING FMC

BEFORE START

- SPEED----- (IAS/MACH)----- SET TO V2
- LNAV & VNAV----- ARMED
- HDG----- SET TO RWY HDG
- ALTITUDE----- SET TO INITIAL ALTITUDE/FL

START ENGINES

- FUEL SWITCHES----- ALL 4 CUTOFF
- TRIM----- SET
- AUTOBRAKES----- RTO
- NO SMOKING/SEAT BELTS----- AUTO/ON
- FLT DK DOOR----- LOCK
- FUEL PUMPS----- ON (tanks with fuel)
 - FUEL 2 > FUEL 1 & FUEL 3 > FUEL 4 --> ALL XFEED----- ON
 - FUEL 2 <= FUEL 1 & FUEL 3 <= FUEL 4 --> XFEED 1 & 4 & OVRD----- OFF
- DOORS----- CLOSED
- HYD PUMP DEMAND 4----- AUX
- HYD PUMP DEMAND 1, 2, 3----- AUTO
- A/C PACKS----- ALL 3 OFF
- AUTOSTART----- OFF
- CONT IGNITION----- ON
- THROTTLES----- IDDL
- BEACON LIGHT----- ON
- ENGINE START N° 4----- PUSH (REPEAT FOR N° 1, 3, 2)
 - WHEN N2 REACHES 14%----- FUEL SWT N° 4----- ON
- APU----- OFF
- APU BLEED AIR----- OFF
- A/C PACKS----- ALL 3 NORM
- HYD PUMP DEMAND 4----- AUTO
- TAXI LIGHT----- ON
- FLAPS----- SET FOR TAKE OFF (10 – 20)

START TAXI

BEFORE TAKE OFF

- PARKIN BRAKES----- RELEASE
- ANTI-ICE (Engine – wings)----- AS NECESSARY
- A/T----- ARM
- F/D----- ON
- TCAS----- TA/RA - ABOVE

BEFORE ALIGN

- **STROBE/LANDING LIGHTS----- ON**
- LNAV / VNAV----- ARM
- F/D----- CONFIRM ON ***START TAKE OFF*** (Gear Flaps Lights)
- CMD A----- ON (Over 400 ft)

AFTER TAKE OFF

- LANDING GEAR----- OFF
- AUTOBRAKE----- OFF
- ENGINE START SW----- OFF (CONT If anti-ice ON)
- ALTIMETER----- SET TO STANDARD (After TA)
- VNAV----- ON (Over 1000 ft)
- LANDING/TAXI LIGHTS----- OFF (Over 10000ft)
- NO SMOKING/FASTEN BELTS----- OFF (Over 10000ft)

TAKE OFF

THROTTLES----- 70% N1
T/O----- PUSH

R.T.O

BEFORE V1
THROTTLES-- IDLE
A/T----- OFF
REVERSE----- ON

CRUISE

- ANTI-ICE----- AS REQUIRED
- TCAS----- NEUTRAL
- FMC-----LEGS page----- REVIEW FP CONSISTENCY

DESCENT

- ANTI-ICE----- AS REQUIRED
- FMC

- REVIEW SPEED/ALTITUDE RESTRICTIONS
- FORECAST WINDS AND TA
- INTRODUCE STAR AND APPROACH
- INIT REF page---LANDING FLAP--- 20 / 30

At VR----- ROTATE <8°
At >20ft increase rotate until speed stops
Maintain V2+10 (pitch 20° aprox)
Reduce pitch (20°/2) to accelerate
Retract flaps

MISSED APPROACH

A/T----- OFF
THROTTLES----- HIGH
ALTIMETER----- SET
A/P----- CMD ON
A/T----- ON
HDG----- SEL ON

- TCAS----- BELOW
- AUTOBRAKE----- AS NECESSARY (Usually 2)
- ALTIMETER----- SET AT TL
- ALTITUDE SELECTOR----- SET TO APP ALT (Before T/D)
- LANDING/TAXI LIGHTS----- ON (Below 10000ft)
- NO SMOKING/FASTEN BELTS----- ON (Below 10000ft)

APPROACH

- WHITE MARK----- LANDING FLAP & **GEAR**
- **ILS FREQ----- NAV1 - NAV2**
- **COURSE----- ILS COURSE**
- **AUTOPILOT----- APP (To intercept ILS)**
- **SPEED----- VREF+5**
- SPOILERS----- ARM
- **ENGINE CONT----- ON**
- ENGINE INDICATOR----- CONFIRM G/A (Go around UP display)
- ND DISPLAY----- APP (Best appreciation of ILS/GS)
- SPEED----- VREF (Until 30 ft)

TOUCH DOWN

- THROTTLES----- IDLE AT TOUCH DOWN
- REVERSE----- ON (F2 hold, until 80 knots)
- AUTOBRAKE----- OFF (At 80 knots)

SHUT DOWN

- DURING TAXI
 - AUTO THROTTLE----- DISARM
 - SPEED BRAKE LEVER----- DOWN
 - AUTOBRAKE----- CONFIRM OFF
 - FLAPS----- UP
 - ENGINE CONT----- OFF
 - LANDING/STROBE LIGHTS----- OFF
 - F/D----- OFF
 - TCAS----- STBY
- AT THE GATE
 - APU----- START
 - PARKING BRAKES----- SET
 - CUTOFF LEVERS----- DOWN
 - ANTICOLLISION LIGHTS----- OFF
 - FUEL PUMPS----- OFF
 - NO SMOKE/FASTEN BELTS----- OFF
 - WINDOWS HEAT----- OFF
 - DOORS----- OPEN

SECURE

- LPACK/RPACK----- OFF
- ISOLATION VALVE----- CLOSE
- EMER EXIT LIGHTS----- OFF
- ALL LIGHTS----- OFF
- APU----- OFF
- GROUND POWER----- OFF
- BATTERY----- OFF

And that's all