X-Plane Checklist Studios

Boeing 737-800

BOEING

PRELIMINARY PREFLIGHT PROCEDURE

CHOCKS……..…ON
LANDING GEAR ……..……DOWN
SPEED-BRAKES ……..……DOWN
FLAP LEVER ……UP
MAN. GEAR EXT. DOOR ….CLOSED

BATTERY ……..……..ON/COVERED
STBY POWER ……AUTO/COVERED
GEN. DRIVE DISCON ……. CLOSED
BUS TRAN ……....AUTO/GUARD
GND PWR ……ON
DC-VOLT (L).....BAT
AC-VOLT (R) ……..GRD PWR

MASTER CAUTION.....DISENGAGED
HYD PUMPS……....ALL OFF
FUEL PUMPS…….....ALL OFF
UNTIL LITS……..….AS REQUIRED
CABIN / UTILITY PWR……ON
IFE PASS SEAT PWR……..……...ON
EMER LTS..…ARMED & COVERED

EXTERNAL LTS:
-WHEEL, WING…….....ON

***ENTER FMC…….FUEL / PAYLOAD**
RECIRC. FANS (L & R).....AUTO
PACKS (L & R).....AUTO
ISOLATION VAL……..AUTO
AUTOPILOTS…….……OFF
SPEED-BRAKE……..OFF
IRS DISPLAY SEL…....…….....PPOS
IRS SELECTORS (L & R).....NAV
ELT SWITCH ……..OFF/COVERED
SER. INTERPHONE ……..OFF
EEC SWITCHES ...…..ON/COVERED
PASS OXY …....NORMAL/COVERED

LANDING GEAR LTS ……..ILLUM
MACH AIRSPEED WARN 1 …....TEST
MACH AIRSPEED WARN 2 ..…..TEST
STALL WARN TEST 1 ……..TEST
STALL WARN TEST 2 ……...TEST
POSITION LIT ……..……STEADY
OXYGEN ……...TEST & RESET
CABIN AIR TEMP……..CHECK & SET

CDU PREFLIGHT PROCEDURE 1/2

UNITS LBS/KGS ……...CHECK & SET
MODEL & ENG RATING ……..CHECK
NAV DAT ……CHECK

CLOCK/TIME ……..CHECK
SET IRS POS ……...SET

ORIGIN & DEST ……..……SET
FLIGHT NUMBER ……SET
REQUEST CLEARANCE FROM ATC
ROUTE ……..……SET & EXEC
ROUTE DISCON ……CLEAR

CDU PREFLIGHT PROCEDURE 2/2

ZFW ……....SET
RESERVES ……....SET
COST INDEX ……....SET
TRIP/CRZ ALT ……..SET
CRZ WIND ……SET

ISA DEV or T/O OAT ……..……SET
TRANS ALT ……...SET
FUEL ……....CHECK

DERATED T/O ……..……AS REQ.
DERATED CLB THRUST ……AS REQ.

T/O FLAPS POSITION ……....SET
CG ……..…..ENTER

TRIM ……CHECK / SET
T/O V-SPEEDS ……SEL / ENTER

PREFLIGHT PROCEDURE 1/5

IRS ALIGNED ……..CHECK
YAW DAMPER ……..……....ON

ALT FLAPS POSITION ……..OFF
VHF/NAV TRAN ……...NORMAL
IRS TRAN ……NORMAL
FMC TRAN ……...NORMAL
DISPLAY SOURCE ……...AUTO
DISPLAY CONTROL …..NORMAL

CROSSFEED SEL ……..CLOSED
FUEL PUMPS ……..OFF

PREFLIGHT PROCEDURE 2/5

ENGINE TEST 1 ...FAULT / INOP
ENGINE TEST 2 ……OVHT / FIRE
EXTINGUISHER TEST ……POS 2
GPWS ALERT ……..……TEST
ATC/TCAS ……..……TEST

FUEL PUMP NO.1 ……....ON
APU START ……ON
APU GEN ……ON
DC-VOLT (L) .....STBY PWR
AC-VOLT (R) ……..…..APU GEN

GROUND PWR …..DISCONNECT
EQUIPMENT COOL .....NORMAL
FASTEN BELTS ……....AUTO/ON

WINDOW HEAT PWR ……...TEST
WINDOW HEAT OVHT …….TEST
WINDOW HEAT ……....ON

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PREFLIGHT PROCEDURE 3/5

ENG HYDRAULIC PUMPS ……..ON
ELEC HYDRAULIC PUMPS …....OFF

AIR TEMP SOURCE …..AS NEEDED
TRIM AIR ……..…...ON
TEMPERATURE SEL ...AS NEEDED
RECIRC FAN ……..…...AUTO
AIR COND PACKS ……AUTO
ISOLATION VALVE ...……....OPEN
ENG BLEED ……..……ON
APU BLEED ……ON

CRUISE ALT IND ……...SET
LANDING ALT ……...……SET
PRESSURIZATION SEL ……...AUTO

LAND LITS …....RETRACT AND OFF
RUNWAY TURNOFF LITS ……..OFF
TAXI LIGHTS ……..OFF
IGNITION SEL IGN ……..L OR R
ENG START SW ……....AUTO
ANTI COLLISION LIT ……...OFF

PREFLIGHT PROCEDURE 4/5

FLIGHT DIRECTORS …….BOTH ON
BANK ANGLE SEL …....AS NEEDED
AUTOPILOT DISENGAGE BAR ...UP

MINIUMS REF SEL ……..RADIO
MINIUMS SEL ……..DECIS HEIGHT
FLT PATH VECTOR …..AS NEEDED
BARO REF SEL ……...IN or HPA
ALTIMETER ……..…....SET QNH
VOR / ADF SW ……...AS NEEDED
COURSE(S) ……....SET

MODE SELECTOR ……..……....MAP
TRAFFIC SW ……..……AS NEEDED
WEATHER RADAR ……....ON

PREFLIGHT PROCEDURE 5/5

AP DISCONNECT LITS ……TEST 1 & 2
SYS LIGHTS ……..…TEST & DIM

FLAP INHIBIT SW……..……COVERED
GEAR INHIBIT SW ..……...COVERED
TERRAIN INHIBIT SW ……...COVERED

LANDING GEAR ……....DOWN
AUTOBRAKE ……..……RTO

N1 SET SELECTOR ……...AUTO
SPEED REF SEL ……..……..AUTO
FUEL FLOW SW .....RESET, then RATE

VHF COM RADIOS ……....SET
VHF NAV RADIOS ……SET FOR DEP
ATC/TCAS ……..SET/STANDBY

BEFORE START PROCEDURE

CHOCKS ……..OFF
PARKING BRAKE ……..SET
ANTI COLLISION LITS ……....ON
N1 BUGS ……...CHECK
IAS BUGS ……..CHECK

AUTOTHROTTLE ……..ARM
IAS / MACH SEL ……...SET V2

INITIAL HEADING ……..SET
INITIAL ALTITUDE ……..SET

TAXI & T/O BRIEF ……....COMPLETED
START CLEARANCE ……..…..OBTAIN

***TURN PUMPS ON IF MORE THAN 500KG / 1100 LBS ON THAT TANK**

FUEL PUMPS LEFT ……....ON
FUEL PUMPS CENTER ……ON
FUEL PUMPS RIGHT ……..ON
SYS B ELEC HYD PUMP ....ON

STABILIZER TRIM ……..SET
ALER & RUD TRIM ….CHECK

PUSHBACK & ENGINE START PROCEDURE

PARKING BRAKE .....RELEASE
START PUSHBACK
AIR COND PACK……..…OFF
ENGINE 1 START SW ……GND
ENG 1 N2 / EGT REACH 25%
ENGINE 1 START LEV ……IDLE
ENG 1 N1 / EGT STABLE
ENGINE 2 START SW ……GND
ENG 2 N2 / EGT REACH 25%
ENGINE 2 START LEV ……IDLE
ENG 2 N1 / EGT STABLE
SYS A ELEC HYD PUMP ….ON
AFTER PUSH COMPLETE
PARKING BRAKE ……SET

BEFORE TAXI PROCEDURE

ENGINE GEN ……..……ON
PROBE HEAT ……ON
WING ANTI ICE ……....AS REQ
AIR COND PACKS ……..AUTO
ISOLATION VAL……..…..AUTO
PRESS SEL ……...AUTO
APU BLEED ……..OFF
APU ……....OFF

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BOEING

ENG START SW ……..……CONT
FLAPS ...……T/O POS.
TRIMS ……..T/O ADJUST
FLIGHT CONTROLS …….CHECK
TAXI LIGHTS ……..ON
RWY TURNOFF LITS ……...AS REQ
PARKING BRAKE ……..RELEASE
BRAKE TEST ..……....TEST

BEFORE TAKEOFF PROCEDURE

VCARD SPD BUGS ……SET V2
TAXI LIGHTS ……..OFF
RWY TURNOFF LTS ……...OFF
LANDING LTS.…..……..ON
POSITION LTS …..STRB & STEADY
ATC/TCAS ……..……...TA/RA
WEATHER RADAR ……...….ON
HEADING BUG ……..SET RWY HDG
FLIGHT DIRECTORS ….....BOTH ON

AFTER TAKEOFF PROCEDURE

LANDING GEAR ……..UP
FLAPS ……..……RETRACT
AUTOPILOT ……..……ENGAGE
VNAV & LNAV ……...ENGAGE
AIR COND PACKS ……AUTO
AUTOBRAKE ……OFF

CLIMB

LANDING GEAR ……...OFF
THRUST ……..ADJUST

AT TRANS ALT

ALTIMETERS ……..……...SET QNE

PASSING FL100

LANDING LIGHTS ……....OFF
SEAT BELTS ……...AUTO

ENGINE START SW ……..……..AUTO
RUNWAY TURNOFF LTS ……AS REQ

CRUISE PROCEDURE

A/P & FMC …..CHECK PERMANENTLY
FMC PRGRS PAGE …....CHECK FUEL
CEN FUEL PUMP ….OFF (when empty)

DECENT PROCEDURE

***BEGIN PREP 30NM BEFORE T/D**
***RETRIEVE AIRPORT/METAR INFO**

FASTEN BELTS SW ……...ON
LANDING ALT ……..……CHECK
ENGINE START SW ……...CONT
RWY TURNOFF LTS ……OFF
LANDING LTS ……..……...ON

APPROACH PROCEDURE

*** ENTER FMC & COMPLETE**

- ARRIVAL
- ROUTE (CHECK DISCONTIN)
- INIT REF

NAVAID FREQUENCIES ….……...SET
APP MCP SW ……...ON
ILS FQ ……SET INTO NAV1& NAV 2
ILS CRS ……SET INTO BOTH CRS SEL

AT TRANSITION LEVEL

ALTIMETERS ……...SET QNH
VCARD SPEED BUG ……....SET VREF
POSITION LTS ……...STRB & STEADY

LANDING PROCEDURE

FLAPS ……...LDG POS
SPEEDBRAKES ……...ARMED
AUTOBRAKE ……..SET AS REQ

LDG GEAR …….DOWN 3-GRN
AUTOPILOT ..……DISENGAGE

AFTER TOUCHDOWN

REVERSERS ……DEPLOY

AFTER LANDING PROCEDURE

SPEED BRAKES ……DOWN
REVERSERS ……..…STOW
PROBE HEAT ……..OFF
WING ANTI ICE ……...OFF
ENGINE ANTI ICE ……...OFF
LANDING LTS ……OFF
POSITION LTS ……STEADY
TAXI LTS ……....ON
ENGINE START SW ……AUTO
AUTOBRAKE ……...OFF
FLAPS ……RETRACT
ATC/TCAS ……..STANDBY
WEATHER RADAR ……OFF
APU ……ON

SHUTDOWN PROCEDURE 1/2

PARKING BRAKE ……....SET
APU GEN ……...ON
MIXTURE ……....CUT OFF
SEATBELT SIGNS ……OFF
ANTI COLLISION LTS ……OFF

FUEL PUMPS LEFT ……...OFF
FUEL PUMPS RIGHT ……OFF
FUEL PUMPS CENTER ….OFF
CAB/UTIL PWR ……OFF
IFE/PASS SEAT PWR …….OFF
ELEC HYD PUMPS ……OFF
YAW DAMPER ……OFF

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SHUTDOWN PROCEDURE 2/2

RECIRC FAN ……..OFF
AIR CON PACKS ……...AUTO
ISOLATION VALVE …..……...OPEN
ENGINE BLEED ……..ON
APU BLEED ……..…..ON
TAXI LIGHTS ……..OFF
POSITION LIGHTS ……...OFF
FLIGHT DIRECTORS ……...OFF
APU ……..OFF

GO-AROUND MISSED APPROACH

THROTTLE ……....TO/GA
FLAPS ……..……SET 15°
THRUST…....VERF INCR G/A ROTA
POSITIVE CLIMB ……....GEAR UP
ABOVE 400FT ……...LNAV/HDG SEL
FLAPS.....RETRACT ON SCHEDULE
LVL CHG OR VNAV ....SEL AS NEED
LANDING GEAR LAV ……...OFF
ENG START SW ……...AS NEEDED
START: AFTER TAKEOFF C-LIST

AUTOLAND LIMITS

MAX GS GS ANGLE ……..3.25 DEG
MIN GS ANGLE ……..2.5 DEG

Automatic landings can be made using flaps 20 or 30, with both engines operative or one engine inoperative. The AFDS autoland status annunciation must display LAND 2 or LAND 3

HEADWIND ……..25 KNOTS
TAILWIND ……..10-15 KNOTS
CROSSWIND ……..25 KNOTS

FMC CHEAT SHEET	
Add a fix at X nm before or after an existing waypoint on route	FFF/#DD
Add waypoint that is off route	PPPPPBBB/DDD
Navigate to an intersection of 2 waypoints	XXXXXBBB/YYYYYBBB
Add a distance ring round a waypoint (FIX page)	Enter fix name top left. Under BRG/DIST add /10
Speed and altitude constraint (up to 18000 then abv FL190).	spd/FL190A
To intercept a specific inbound course to afix, ("Intercept the course 080 TO BOS," for example.) the crewmember simply needs to enter the desired course TO the fix at the 6RLSK	
OFFSET command found in the INIT/REF INDEX of the FMC/CDU	LD.D or RD.D

OPERATIONAL LIMITATIONS

RWY SLOPE …….. +/-2%
MAX T/O & LAND TLWIND .. 10-15 KTS
***NO TAILWIND COMPONENT ALLOWED ON* CONTAMINATED RUNWAYS**
MAX WIND SPEED FOR TAXI ...65 KTS
MAX T/O & LAND ALT ……..8,400 FT

TURBULENT AIRSPEED:
- 1/200 280 kts/.70M
- 3/500 280 kts/.73M
- 6/900 280 kts/.76M

MAX OPERATING ALT:
- 1/500 37,000ft
- 6/900 41,000ft

MAX PERCIP DEPTH FOR T/O & LDG
- DRY SNOW 60 mm
- WTR, WET SNOW 13mm

MAX DEMONSTRATED CROSSWIN.
- 1/200 31 kts
- 3/500 35 kts
- 6/900 36 kts
- 6/900 winglets 33 kts

FUEL

MAX TEMP ……..**+49°C (120°F)**
MIN TEMP ……..**-43°C (-45.4°F)**
MAX IMBAL ….**453 kg 1,000lbs**

Main tanks must be full if center contains over 453 kg **(998.694lbs)**

For ground operation, center tank pumps must be not be positioned to ON, unless defuelling or transferring fuel, if quantity is below 453 kg **(998.694lbs)**.

Center tank pumps must be switched OFF when both LP lights illuminate.

Fuel crossfeed valve must be closed for takeoff and landing.

WEIGHT LIMITATIONS

WEIGHT LIMITATIONS	
MAXIMUM TAXI WEIGHT	
737-600	57,832 kg (127.5K lbs)
737-700	60,554 kg (133.5K lbs)
737-800	70,760 kg (156K lbs)
737-900	79,242 kg (174.2K lbs)
MAXIMUM TAKEOFF WEIGHT	
737-600	57,606 kg (127K lbs)
737-700	60,327 kg (133K lbs)
737-800	70,533 kg (155.5K lbs)
737-900	79,015 kg (174.2K lbs)
MAXIMUM LANDING WEIGHT	
737-600	54,657 kg (120.5K lbs)
737-700	58,059 kg (128K lbs)
737-800	65,317 kg (144K lbs)
737-900	66,360 kg (146.3K lbs)
MAXIMUM ZERO FUEL WEIGHT	
737-600	51,709 kg (114K lbs)
737-700	54,657 kg (120.5K lbs)
737-800	61,688 kg (136K lbs)
737-900	62,731 kg (138.3K lbs)

This Checklist is made and can be printed and used for simulation purposes ONLY

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CREDIT:

- Zibo - For Zibo's default checklist
- http://www.b737.org.uk - for aircraft limitations
- http://www.kennair.com.au - for go around procedure

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