Boeing 777-200 PSS
Microsoft Flightsimulator 2002

Aircraft and Panel : PSS Phoenix Simulation Software

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Using LNAV only (ALT & SPEED manual control)

Calculate the amount of fuel necessary using the flight planning table
and set fuel accordingly in fuel menu of FS2002.

Using ECL (Electronic Checklist):
Items with an ❏ must be confirmed in checklist.
==> CHKL : verify checklist page should be completed

COCKPIT SAFETY INSPECTION

PARKING BRAKE	SET
BATTERY SWITCH	ON
PRIMARY EXT PWR	ON (if avail)
GEAR LEVER	DOWN
FLAP LEVER	UP
THROTTLE	IDLE
SPEED BRAKE	RETRACTED
FLIGHT CONTROLS	CHECK
APU	START
APU GEN	ON
PRIMARY EXT PWR	OFF

COCKPIT PREPARATION CHECKLIST 1

BUS TIE SWITCHES	AUTO
BACKUP GEN SWITCHES	ON
GENERATOR CTRL SWITCHES	ON

FMC SETUP / INITIALIZE

MENU		CLEAR RTE, confirm
INIT REF		
(INDEX) IDENT		CHECK, VERIFY
POS INIT		CHECK, VERIFY
RTE	ORIGIN	IDENT, RWY
	DEST	IDENT
		FLIGHT NO

| at 30 KIAS | A/T to OFF |
| Autopilot | APP set OFF |

TAXI IN CHECKLIST

LANDING LIGHT SWITCHES	OFF
A/T ARM SWITCHES	OFF
SPEED BRAKE LEVER	DOWN
==>	CHKL
Taxi Light / Runway Turnoff Lights	ON
Flaps	UP
Speed	Max. 20 knots
Transponder	OFF
Lights	AS DESIRED

PARKING/SHUTDOWN CHECKLIST

Throttle	IDLE
PARKING BRAKE	SET
PASSENGER SIGNS	OFF
APU	START
APU Gen	ON
FUEL CONTROL SWITCHES	CUTOFF
BEACON LIGHT SWITCHES	OFF
ANTI-ICE	VERIFY OFF
Lights all	OFF
FUEL PUMP SWITCHES	OFF
ALL HYD PUMPS (EXCEPT L,R ENG)	OFF
WINDOW HEAT	OFF
==>	CHKL
PACK SELECTORS	OFF
RECIR FANS	OFF
APU GEN	OFF
APU	OFF
EXT PWR SWITCHES	OFF
BATTERY SWITCH	OFF

		COMPANY RTE
		ACTIVATE, EXEC
PERF INIT	ZFW	DEFAULT 429 (x1000) LBS
	FUEL	CHECK/VERIFY
	RESERVES	10-15 (x1000) LBS
	GR WT	CHECK
		(must be less than 650'000 = MTOW)
	CRZ ALT	INPUT
	COST INDEX	(100)
THRUST LIM		SELECT TO
		SELECT CLB
TAKEOFF	FLAPS	SET 5
	V1	CONFIRM
	VR	CONFIRM
	V2	CONFIRM
	ACCEL HT	1200 FT
	THR RED	1000 FT
DEP/ARR		
	DEPARTURES	
	RUNWAY	CHECK
	SID	SELECT
		EXEC
(INDEX)	ARRIVALS	
	RUNWAY	SELECT
	STAR	SELECT
	TRANSITION	SELECT IF APPLICABLE
		EXEC
LEGS		INPUT
		ALT/SPEED RESTRICTIONS IF APPLICABLE
HOLD		IF APPLICABLE
MENU		SAVE ?

❏ CONFIRM FMC INITIALISATION IN CHECKLIST

THRUST ASYM COMP	AUTO
SERV INTPH SWITCH	OFF

==>   CHKL

PASSENGER OXYGEN SWITCH	OFF
WINDOW HEAT	ON
RAM AIR TURBINE SWITCH	OFF
C1, C2 ELEC HYD PUMPS	OFF
L, R ENG HYD PUMPS	ON
C1, C2 AIR HYD PUMPS	OFF
L ELEC DEMAND PUMP	OFF
R ELEC DEMAND PUMP	AUTO

==>   CHKL

NO SMOKING SELECTOR	ON
SEAT BELTS SELECTOR	OFF
LANDING LIGHT SWITCHES	OFF
RUNWAY TURNOFF LIGHTS	OFF
TAXI LIGHT SWITCH	OFF
STROBE LIGHT SWITCH	OFF
BEACON LIGHT SWITCH	OFF
WING/LOGO LIGHT SWITCH	OFF
NAV LIGHT SWITCH	ON

==>   CHKL

ENGINE ANTI-ICE SELECTORS	AUTO
WING ANTI-ICE SELECTOR	AUTO
FUEL PUMP SWITCHES	OFF
AUTOSTART SWITCH	ON
START/IGNITION SELECTORS	NORM
EQUIPMENT COOLING SWITCH	AUTO
GASPER SWITCH	ON
RECIRC FAN SWITCHES	ON

==>   CHKL

PACK SWITCHES	AUTO
TRIM AIR SWITCHES	ON
BLEED AIR ISLN SWITCHES	AUTO
L, R ENG BLEED SWITCHES	ON
APU BLEED SWITCH	AUTO
WIPER SELECTORS	OFF

==>   CHKL

Approach Checklist

Localizer Level Flight :

Avionics + Radios	SET
Speed: Establish	210 KIAS
Speed Brake Lever	ARM
Flaps	5 degrees
Speed: Establish	190 KIAS
Flaps	15 degrees
Speed: Establish	175 KIAS
Flaps	20 degrees
Speed: Establish	160 KIAS
when GS flag is one dot high	GEAR DOWN
Flaps	25 degrees or FULL

FINAL DESCENT CHECKLIST

FLAPS	CHECK EXTENDED
LANDING GEAR	CHECK DOWN
SPEED BRAKE LEVER	CHECK ARMED

==>   CHKL

Final Glideslope Descent :

Speed Establish	155 KIAS
Park brakes	VERIFY OFF
at 1,500 ft	confirm LAND 3 on PFD
at 1,000 ft	F/D to OFF

Landing Checklist

Thrust Lever	CHECK IDLE
Landing Gear	CHECK DOWN
Landing Speed	140 KIAS
AUTOLAND	available

After touchdown

SPEED BRAKEs	VERIFY EXTENDED
Thrust reverse	Apply Reverse Thrust
at 60 KIAS	Cancel Reverse Thrust
	A/P to OFF
	BRAKES as required

Cruise Checklist (above FL 180)

Accelerate to cruise speed	FL180	0.68 mach
		= 328 KIAS = 417 TAS
	FL240	0.78 mach
		= 338 KIAS = 465 TAS
	FL280	0.84 mach
		= 337 KIAS = 492 TAS
	FL330	0.84 mach
		= 300 KIAS = 480 TAS
FMC	CHECK	
Engine+Instruments, Fuel Quantity	CHECK	
Autopilot	CHECK and SET	

APPROACH DESCENT CHECKLIST

FMC SETUP FOR LANDING

    INIT REF

        (INDEX) APPROACH REF

           GR WT   CHECK

           VREF   verify

❏ CONFIRM FMC ARRIVAL ENTRIES IN CHECKLIST

SEAT BELTS SELECTOR	ON	
NO SMOKING SELECTOR	ON	
Radios	SET	
Descent Speed	to FL240	0.75 mach
	to FL180	0.65 mach
❏ AUTOBRAKE SELECTOR	AS REQUIRED, set to 2	
LANDING LIGHTS (18,000ft)	ON	
WING/LOGO LIGHTS (18,000ft)	ON	
At Transition Altitude (FL180)	reset Altimeter to local	
❏ ALTIMETERS	SET	
	==>	CHKL
	to FL120	300 KIAS
	below 10'000ft	240 KIAS
FMC	CHECK for final legs	

eliminate possible conflicts with IAF, STAR and selected RWY

FMC	DEACTIVATE ?

COCKPIT PREPARATION CHECKLIST 2

A/T SWITCHES	OFF
A/P DISENGAGE BAR	UP
BANK LIMIT SELECTOR	AUTO
❏ IAS/MACH SELECTOR	SET IAS, V2 + 10
❏ HDG/TRK SELECTOR	SET HDG, RWY HDG
V/S SELECTOR	SET V/S (1800 fpm)
❏ ALT SELECTOR	SET cleared altitude
GND PROX G/S LIGHT	OFF
==>	CHKL
GND PROX FLAP OVRD SWITCH	OFF
GND PROX GEAR OVRD SWITCH	OFF
AUTOBRAKE SELECTOR	RTO
PARKING BRAKE	CHECK SET
SPEED BRAKE LEVER	CHECK DOWN
FLAPS	CHECK UP
THROTTLES	CLOSED
FUEL CONTROL SWITCHES	CUTOFF
==>	CHKL

Request Clearance

❏ TRANSPONDER PANEL	SET, as per ATC
==>	CHKL

COCKPIT PREPARATION CHECKLIST 3

❏ FUEL SHEET, FUEL QUANTITY	VERIFY/ENTER
❏ IAS/MACH SELECTOR	confirm IAS set to V2 + 10
❏ HDG SELECTOR	confirm runway heading
❏ ALT SELECTOR	confirm cleared alt
SEAT BELT SWITCH	ON
R ELEC DEMAND PUMP	VERIFY/AUTO
C1, C2 ELEC HYD PUMPS	ON
L ELEC DEMAND PUMP	AUTO
==>	CHKL
C1, C2 AIR HYD PUMPS	AUTO
L, R FUEL PUMPS	ON
CENTER FUEL PUMP	ON (if fuel in tanks)
==>	CHKL

BEFORE PUSHBACK CHECKLIST

❏   DOORS   CLOSED/LOCKED
BEACON SWITCH   ON
                                                    ==>   CHKL

ENGINE START CHECKLIST

ENGINE AREA   CLEAR
AUTOSTART   CHECK ON
FUEL CONTROL SWITCHES   RUN
L, R START/IGNITION SELECTORS START
                   (return to NORM position, when engine is running)
APU GEN / APU   OFF
ENGINE ANTI-ICE SWITCHES   AUTO/ON
                                                    ==>   CHKL

Taxi Checklist

Taxi Light / Runway Turnoff Lights   ON
Check Weather   (Atis, Flight Services)
Autopilot parameters   SET and OFF
Request Taxi Clearance

Brakes   RELEASED
Taxi to assigned runway   SPEED Max. 20 knots

BEFORE TAKEOFF CHECKLIST

BRAKES   SET
❏   FLAPS   SET 5
❏   FLIGHT CONTROLS   CHECK
A/T SWITCH   ARM
WING LIGHTS / LOGO LIGHTS   ON
STROBE LIGHTS   ON
LANDING LIGHTS   ON
Taxi Light / Runway Turnoff Lights   OFF
                                                    ==>   CHKL
TRIM   T/O SETTING (8 deg)
F/D   ON

FPV   ON
Flight Instruments / Engine Instruments   CHECK
Request Takeoff Clearance

TAKEOFF PROCEDURE

PARKING BRAKE   RELEASE
Smoothly increase thrust to   70% N1 let spool up, press TO/GA

Thrust Lever   IDLE
V1   decision   (145 KIAS)
Vr   rotate to 8deg   (150 KIAS)
when clear off runway   increase to 18deg
V2   safety speed   (155 KIAS)
At Positive Climb Rate   Touch Brakes
        Landing Gear   RETRACT
At 185 knots   RETRACT Flaps to 1 deg
At 205 knots   RETRACT flaps up
at 500ft (RA)   set LNAV to ON
SPEED BRAKE Lever   VERIFY RETRACTED

AFTER TAKEOFF CHECKLIST

A/P ENGAGE ENGAGE SWITCH   PUSH
A/P parameters   ACTIVATE
ENGINE ANTI-ICE   AUTO
FLAPS   CHECK RETRACTED
Autobrake   OFF
❏   CLEARED ALTITUDE   SET
NO SMOKING SELECTOR   AUTO/ON
SEAT BELTS SELECTOR   AUTO/ON
Below 10'000ft max. speed   250 knots
Above 10'000ft speed   280 knots
LANDING LIGHTS   (18'000ft)   OFF
WING/LOGO LIGHTS (18'000ft)   OFF
                                                    ==>   CHKL

ATC   *AS REQUIRED*
At Transition Altitude (FL180)   set Altimeter to 29,92" (1013mb)