

KPCREW FOR ZIBO BOEING 737-800 FREEWARE (V2.3)

ELECTRICAL POWER UP PROCEDURE (F/O)	
All paper work on board and checked M E L and Technical Logbook checked	
== Initial Checks	
==== DC Electric Power	
F/O CIRCUIT BREAKERS (P6 PANEL)	CHECK ALL IN
F/O CIRCUIT BREAKERS (CONTROL,P18)	CHECK ALL IN
F/O DC POWER SWITCH	BAT
F/O BATTERY VOLTAGE	CHECK MIN 24V
F/O BATTERY SWITCH	GUARD CLOSED
F/O STANDBY POWER SWITCH	GUARD CLOSED
==== Hydraulic System	
F/O ELECTRIC HYDRAULIC PUMPS SWITCHES	OFF
F/O ALTERNATE FLAPS MASTER SWITCH	GUARD CLOSED
F/O FLAP LEVER	UP
Ensure flap lever agrees with indicated flap position.	
==== Other	
F/O WINDSHIELD WIPER SELECTORS	PARK
F/O LANDING GEAR LEVER	DOWN
F/O GREEN LANDING GEAR LIGHT	CHECK ILLUMINATED
F/O RED LANDING GEAR LIGHT	CHECK EXTINGUISHED
F/O TAKEOFF CONFIG WARNING	TEST
Move thrust levers full forward and back to idle.	
== Activate External Power	
Use Zibo EFB to turn Ground Power on.	
F/O FUEL PUMPS	ALL OFF
F/O GRD POWER AVAILABLE LIGHT	ILLUMINATED
F/O AC POWER SWITCH	GRD
F/O GROUND POWER VOLTAGE	CHECK >110 VOLT
F/O GRD POWER SWITCH	ON IF VOLTAGE OK
== Activate APU	
F/O FUEL PUMPS	OFF/LEFT FWD ON
F/O OVHT DET SWITCH	NORMAL
F/O OVHT FIRE TEST SWITCH	HOLD RIGHT
F/O MASTER FIRE WARN LIGHT.	PUSH
F/O ENGINES EXT TEST SWITCH	TEST 1 TO LEFT
F/O ENGINES EXT TEST SWITCH	TEST 2 TO RIGHT
F/O APU	START
Hold APU switch in START position for 3-4 seconds.	
F/O APU GEN OFF BUS LIGHT	ILLUMINATED
F/O AC POWER SWITCH	APU 1 PUMP ON, REST OFF or
F/O APU GENERATOR VOLTAGE	CHECK > 110 VOLT
F/O APU GENERATOR BUS SWITCHES	ON IF VOLTAGE OK
F/O LEFT FORWARD FUEL PUMP	ON
====	
F/O TRANSFER BUS LIGHTS	CHECK EXTINGUISHED
F/O SOURCE OFF LIGHTS	CHECK EXTINGUISHED
F/O STANDBY POWER	ON
F/O STANDBY PWR LIGHT	CHECK EXTINGUISHED
F/O WING LIGHTS	ON IF DARK
F/O PARKING BRAKE	CHECK SET

PRELIMINARY PREFLIGHT PROCEDURE (F/O)	
==== IRS Alignment	
F/O IRS MODE SELECTORS	OFF
F/O IRS MODE SELECTORS	THEN NAV
Verify ON DC lights illuminate then extinguish Verify ALIGN lights are illuminated	
==== Verify quantities	
F/O OXYGEN PRESSURE	CHECK
F/O HYDRAULIC QUANTITY A & B	CHECK
F/O ENGINE OIL QUANTITY & 2	CHECK
==== Overhead	
F/O VOICE RECORDER SWITCH	AUTO
F/O SERVICE INTERPHONE	OFF
==== Engine Panel	
F/O EEC SWITCHES	ON
F/O EEC GUARDS	CLOSED
F/O EEC FAIL LIGHTS	EXTINGUISHED
F/O REVERSER FAIL LIGHTS	EXTINGUISHED
==== Other	
F/O POSITION LIGHTS	ON
F/O PASSENGER OXYGEN SWITCH	NORMAL; GUARD CLOSED
F/O EMERGENCY EXIT LIGHT	ARM/ON GUARD CLOSED
F/O ATTENDANCE BUTTON	PRESS
F/O ELECTRICAL POWER UP	COMPLETE
F/O MACH OVERSPEED TEST 1 and 2	PERFORM
F/O FLIGHT DATA RECORDER SWITCH	GUARD CLOSED

CHECKLIST	INTERACTIVE ITEM
MANDATORY PROCEDURE	AUTOMATIC ITEM
OPTIONAL PROCEDURE	OPTIONAL STEP
	MANUAL/CHECK ITEM

YOU ARE CPT LHS PF		KPCREW IS F/O RHS PNF PM
CDU PREFLIGHT (OPTIONAL)		(CPT)
==== Initial Data		
CPT	IDENT page:	OPEN
Verify Model and ENG RATING		
Verify navigation database ACTIVE date		
CPT	POS INIT page:	OPEN
Verify time		
CPT	REF AIRPORT	SET
==== Navigation Data		
CPT	RTE page:	OPEN
CPT	ORIGIN	SET
CPT	DEST	SET
CPT	FLT NO	SET
CPT	ROUTE	ENTER
CPT	ROUTE	ACTIVATE
CPT	ROUTE	EXECUTE
CPT	DEPARTURES page:	OPEN
Select runway and departure routing		
CPT	RTE page:	EXECUTE
CPT	LEGS page:	OPEN
Verify or enter correct RNP for departure		
==== Performance Data (CPT)		
CPT	PERF INIT page:	OPEN
CPT	ZFW	ENTER
CPT	GW	ENTER/VERIFY
CPT	RESERVES	ENTER/VERIFY
CPT	COST INDEX	ENTER
CPT	CRZ ALT	ENTER
CPT	N1 LIMIT page:	OPEN
Select assumed temp and/or fixed t/o rating		
Select full or derated climb thrust		
CPT	TAKEOFF REF page:	OPEN
CPT	FLAPS	ENTER
CPT	CG	ENTER
CPT	V SPEEDS	ENTER
CPT	PREFLIGHT COMPLETE?	VERIFY
CPT	KPCREW DEPARTURE BRIEFING	FILL OUT

PREFLIGHT PROCEDURE (F/O)	
==== Flight Control panel	
F/O FLIGHT CONTROL SWITCHES	GUARDS CLOSED
F/O FLIGHT SPOILER SWITCHES	GUARDS CLOSED
F/O ALTERNATE FLAPS MASTER SWITCH	GUARD CLOSED
F/O ALTERNATE FLAPS CONTROL SWITCH	OFF
F/O FLAPS PANEL ANNUNCIATORS	EXTINGUISHED
F/O YAW DAMPER SWITCH	ON
==== NAVIGATION panel	
F/O VHF NAV TRANSFER SWITCH	NORMAL
F/O IRS TRANSFER SWITCH	NORMAL
F/O FMC TRANSFER SWITCH	NORMAL
==== DISPLAYS panel	
F/O SOURCE SELECTOR	AUTO
F/O CONTROL PANEL SELECT SWITCH	NORMAL
==== Fuel Panel	
F/O FUEL PUMP SWITCHES	ALL OFF
If APU running turn one of the left fuel pumps on	
F/O FUEL VALVE ANNUNCIATORS	CHECK DIM
F/O FUEL CROSS FEED	ON FOR TEST
F/O CROSS FEED VALVE LIGHT	CHECK DIM
F/O FUEL CROSS FEED	OFF
F/O CROSS FEED VALVE	EXTINGUISHED
==== Electrical panel	
F/O BATTERY SWITCH	GUARD CLOSED
F/O CAB/UTIL POWER SWITCH	ON
F/O IFE/PASS SEAT POWER SWITCH	ON
F/O STANDBY POWER SWITCH	GUARD CLOSED
F/O GEN DRIVE DISCONNECT SWITCHES	GUARDS CLOSED
F/O BUS TRANSFER SWITCH	GUARD CLOSED
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PREFLIGHT PROCEDURE...	(F/O)
==== APU start if required	
Overheat and fire protection panel	
F/O OVHT DET SWITCH	NORMAL
F/O OVHT FIRE TEST SWITCH	HOLD RIGHT
F/O MASTER FIRE WARN LIGHT	PUSH
F/O ENGINES EXT TEST SWITCH	TEST 1 TO LEFT
F/O ENGINES EXT TEST SWITCH	TEST 2 TO RIGHT
APU PANEL	
F/O APU SWITCH	START
Hold APU switch in START position for 3-4 seconds.	
F/O APU GEN OFF BUS LIGHT	ILLUMINATED
F/O APU GENERATOR BUS SWITCHES	ON
F/O TRANSFER BUS LIGHTS	CHECK EXTINGUISHED
==== Overhead items	
F/O EQUIPMENT COOLING SWITCHES	NORM
F/O EMERGENCY EXIT LIGHTS SWITCH	GUARD CLOSED
F/O NO SMOKING SWITCH	ON OR AUTO
F/O FASTEN BELTS SWITCH	ON OR AUTO
F/O WINDSHIELD WIPER SELECTORS	PARK
==== Anti-Ice	
F/O WINDOW HEAT SWITCHES	ON
F/O PROBE HEAT SWITCHES	OFF
F/O WING ANTI-ICE SWITCH	OFF
F/O ENGINE ANTI-ICE SWITCHES	OFF
==== Hydraulic panel	
F/O ENGINE HYDRAULIC PUMPS SWITCHES	ON
F/O ELECTRIC HYDRAULIC PUMPS SWITCHES	OFF
==== Air conditioning panel	
F/O AIR TEMPERATURE SOURCE SELECTOR	FWD CAB
F/O CABIN TEMPERATURE SELECTORS	AUTO OR AS NEEDED
F/O TRIM AIR SWITCH	ON
F/O RECIRCULATION FAN SWITCHES	AUTO
F/O AIR CONDITIONING PACK SWITCHES	AUTO OR HIGH
F/O ISOLATION VALVE SWITCH	AUTO OR OPEN
F/O ENGINE BLEED AIR SWITCHES	ON
F/O APU BLEED AIR SWITCH	AS REQUIRED
If APU running turn it ON	
==== Cabin pressurization panel	
F/O FLIGHT ALTITUDE INDICATOR	CRUISE ALTITUDE
F/O LANDING ALTITUDE INDICATOR	FIELD ELEVATION
F/O PRESSURIZATION MODE SELECTOR	AUTO
==== Lighting panel	
F/O LANDING LIGHT SWITCHES	RETRACT AND OFF
F/O RUNWAY TURNOFF LIGHT SWITCHES	OFF
F/O TAXI LIGHT SWITCH	OFF
F/O LOGO LIGHT SWITCH	AS NEEDED
F/O POSITION LIGHT SWITCH	AS NEEDED
F/O ANTI-COLLISION LIGHT SWITCH	OFF
F/O WING ILLUMINATION SWITCH	AS NEEDED
F/O WHEEL WELL LIGHT SWITCH	AS NEEDED
==== Engine Starters	
F/O IGNITION SELECT SWITCH	IGN L OR R
F/O ENGINE START SWITCHES	OFF
==== Mode control panel right	
F/O COURSE NAV1 & NAV2	SET AS REQUIRED
ALL FLIGHT DIRECTOR SWITCHES	ON, LEFT MASTER
CPT BANK ANGLE SELECTOR	AS NEEDED
==== EFIS control panels	
ALL MINIMUMS REFERENCE SELECTOR	RADIO OR BARO
ALL DECISION HEIGHT / ALTITUDE REFERENCE	SET DH OR DA REFERENCE
ALL FLIGHT PATH VECTOR SWITCH	OFF
ALL METERS SWITCH	OFF
ALL BAROMETRIC REFERENCE SELECTOR	IN OR HPA
ALL BAROMETRIC SELECTOR	SET LOCAL ALTIMETER SETTING
ALL VOR/ADF SWITCHES	VOR
ALL MODE SELECTOR	MAP
ALL CENTER SWITCH	OFF
ALL RANGE SELECTOR	10 NM
ALL TRAFFIC SWITCH	ON
ALL WEATHER RADAR	OFF
ALL MAP SWITCHES	AS NEEDED
==== Forward panel	
CPT LIGHTS TEST	PERFORM
ALL CLOCK	SET FO: LOCAL TIME CPT: UTC
ALL MAIN PANEL DISPLAY UNITS SELECTOR	NORM
ALL LOWER DISPLAY UNIT SELECTOR	NORM
ALL OXYGEN	TEST AND SET
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PREFLIGHT PROCEDURE ...	(F/O)
CPT NOSE WHEEL STEERING SWITCH	GUARD CLOSED
Set INTEGRATED STANDBY FLIGHT DISPLAY	
==== GROUND PROXIMITY panel	
F/O FLAP INHIBIT SWITCH	GUARD CLOSED
F/O GEAR INHIBIT SWITCH	GUARD CLOSED
F/O TERRAIN INHIBIT SWITCH	GUARD CLOSED
F/O GPWS SYSTEM TEST	PERFORM
==== Landing gear panel	
F/O LANDING GEAR LEVER	DOWN
F/O AUTO BRAKE SELECT SWITCH	RTO
F/O ANTISKID INOP LIGHT	VERIFY EXTINGUISHED
F/O FUEL FLOW	RESET
F/O LOWER EICAS	SYS
==== Pedestal	
CPT SPEED BRAKE LEVER	DOWN DETENT
CPT REVERSE THRUST LEVERS	DOWN
CPT FORWARD THRUST LEVERS	CLOSED
CPT FLAP LEVER	SET
Set the flap lever to agree with the flap position.	
CPT PARKING BRAKE	SET
CPT ENGINE START LEVERS	CUTOFF
CPT STABILIZER TRIM CUTOUT SWITCHES	NORMAL
CPT CARGO FIRE TEST	PERFORM
CPT WEATHER RADAR PANEL	SET
CPT TRANSPONDER PANEL	SET
==== Radio tuning panel	
CPT VHF COMMUNICATIONS RADIOS	SET
CPT VHF NAVIGATION RADIOS	SET FOR DEPARTURE
CPT AUDIO CONTROL PANEL	SET
CPT ADF RADIOS	SET
==== Briefing	
CPT DEPARTURE BRIEFING	PERFORM
==== Other	
F/O STALL WARNING TEST 1 and 2	PERFORM
Wait for 4 minutes AC power if not functioning	

PREFLIGHT CHECKLIST	
ALL OXYGEN	TESTED 100 %
PM NAV TRANSFER AND DISP SWITCHES	NORMAL , AUTO
PM WINDOW HEAT	ON
PM PRESSURIZATION MODE SELECTOR	AUTO
ALL FLIGHT INSTRUMENTS	HEADING __, ALTIMETER __
PF PARKING BRAKE	SET
PF ENGINE START LEVERS	CUTOFF

BEFORE START PROCEDURE	
F/O FLIGHT DECK DOOR	CLOSED AND LOCKED
ALL CDU DISPLAY	SET
ALL N1 BUGS	CHECK
ALL IAS BUGS	SET
==== Set MCP	
CPT AUTOTHROTTLE ARM SWITCH	ARM
CPT IAS/MACH SELECTOR	SET V2
CPT LNAV	ARM AS NEEDED
CPT VNAV	ARM AS NEEDED
CPT INITIAL HEADING	SET
CPT INITIAL ALTITUDE	SET
====	
ALL TAXI AND TAKEOFF BRIEFINGS	COMPLETE
F/O EXTERIOR DOORS	VERIFY CLOSED
Obtain a clearance to pressurize hydraulic systems and start engines	
==== Set Fuel panel	
F/O CENTER FUEL PUMPS SWITCHES	AS REQUIRED
If center tank quantity exceeds 1,000 lbs/460 kgs	
F/O AFT & FORW FUEL PUMP SWITCHES	ON
==== Set Hydraulic panel	
F/O ENGINE HYDRAULIC PUMP SWITCHES	OFF
F/O ELECTRIC HYDRAULIC PUMP SWITCHES	ON
==== Set Trim	
CPT STABILIZER TRIM	__ UNITS
CPT AILERON TRIM	0 UNITS
CPT RUDDER TRIM	0 UNITS
==== Lights	
F/O ANTI COLLISION LIGHT SWITCH	ON
F/O WING & WHEEL WELL LIGHTS	OFF

KPCREW FOR ZIBO BOEING 737-800 FREEWARE (V2.3)

BEFORE START CHECKLIST		
F/O	FLIGHT DECK DOOR	CLOSED AND LOCKED
F/O	FUEL	___ KGS, PUMPS ON
F/O	PASSENGER SIGNS	SET
	ALL WINDOWS	LOCKED
CPT	MCP	V2 ___, HDG ___, ALT ___
PF	TAKEOFF SPEEDS	V1 ___, VR ___, V2 ___
PF	CDU PREFLIGHT	COMPLETED
CPT	RUDDER & AILERON TRIM	FREE AND 0
PF	TAXI AND TAKEOFF BRIEFING	COMPLETED
F/O	ANTI COLLISION LIGHT	ON

PUSHBACK AND ENGINE START		
CPT	PARKING BRAKE	SET
CPT	PUSHBACK SERVICE	ENGAGE
	Engine Start may be done during pushback or towing	
CPT	COMMUNICATION WITH GROUND	ESTABLISH
CPT	PARKING BRAKE	RELEASED
F/O	PACKS	AUTO OR OFF
F/O	SYSTEM A HYDRAULIC PUMPS	ON
CPT	START FIRST ENGINE	STARTING ENGINE _
CPT	ENGINE START SWITCH	START SWITCH _ TO GRD
	Verify that the N2 RPM increases. When N1 rotation is seen and N2 is at 25%	
CPT	ENGINE START LEVER	LEVER _ IDLE
	When starter switch jumps back call STARTER CUTOUT	
CPT	START SECOND ENGINE	STARTING ENGINE _
CPT	ENGINE START SWITCH	START SWITCH _ TO GRD
	Verify that the N2 RPM increases. When N1 rotation is seen and N2 is at 25%,	
CPT	ENGINE START LEVER	LEVER _ IDLE
	When starter switch jumps back call STARTER CUTOUT	
F/O	PARKING BRAKE	SET
	When instructed by ground crew after pushback/towing When pushback/towing complete	
CPT	TOW BAR DISCONNECTED	VERIFY
CPT	LOCKOUT PIN REMOVED	VERIFY

BEFORE TAXI PROCEDURE (F/O)		
F/O	HYDRAULIC PUMP SWITCHES	ALL ON
F/O	GENERATOR 1 AND 2 SWITCHES	ON
F/O	PROBE HEAT SWITCHES	ON
F/O	WING ANTI-ICE SWITCH	AS NEEDED
F/O	ENGINE ANTI-ICE SWITCHES	AS NEEDED
F/O	PACK SWITCHES	AUTO
F/O	ISOLATION VALVE SWITCH	AUTO
F/O	APU BLEED AIR SWITCH	OFF
F/O	APU SWITCH	OFF
F/O	ENGINE START SWITCHES	CONT
F/O	ENGINE START LEVERS	IDLE DETENT
	Verify that the ground equipment is clear. Call 'FLAPS ___' as needed for takeoff.	
F/O	FLAP LEVER	SET TAKEOFF FLAPS
	ALL LE FLAPS EXT GREEN LIGHT	ILLUMINATED
	ALL FLIGHT CONTROLS	CHECK
	ALL RECALL	CHECK
	Verify annunciators illuminate and then extinguish.	
F/O	TRANSPONDER	AS NEEDED
F/O	LOWER DU	OFF

BEFORE TAXI CHECKLIST (F/O)		
F/O	GENERATORS	ON
F/O	PROBE HEAT	ON
F/O	ANTI-ICE	AS REQUIRED
F/O	ISOLATION VALVE	AUTO
F/O	ENGINE START SWITCHES	CONT
	ALL RECALL	CHECKED
F/O	AUTOBRAKE	RTO
CPT	ENGINE START LEVERS	IDLE DETENT
CPT	FLIGHT CONTROLS	CHECKED
	ALL GROUND EQUIPMENT	CLEAR

BEFORE TAKEOFF CHECKLIST (F/O)		
CPT	FLAPS	___, GREEN LIGHT
CPT	STABILIZER TRIM	___ UNITS

RUNWAY ENTRY PROCEDURE (F/O)		
F/O	STROBES	ON
F/O	TRANSPONDER	ON
F/O	PACKS & BLEEDS	SET
CPT	FIXED LANDING LIGHTS	ON
CPT	RWY TURNOFF LIGHTS	ON
CPT	TAXI LIGHTS	OFF

TAKEOFF & INITIAL CLIMB		
PF	AUTOTHROTTLE	ARM
PF	A/P MODES	AS REQUIRED
	THRUST SETTING	40% N1
PF	SET TAKEOFF THRUST	T/O MODE
PF	POSITIVE RATE	GT 40 FT AGL
PM	GEAR	UP
	ACCELERATION ALTITUDE	GT 300 FT AGL
	FLAPS 15 SPEED	REACHED (OPTIONAL)
PM	FLAPS 10	SET (OPTIONAL)
	FLAPS 10 SPEED	REACHED (OPTIONAL)
PM	FLAPS 5	SET (OPTIONAL)
	FLAPS 5 SPEED	REACHED
PM	FLAPS 1	SET
	FLAPS 1 SPEED	REACHED
PM	FLAPS UP	SET
PM	CMD-A	ON
PM	AUTO BRAKE SELECT SWITCH	OFF
PM	GEAR	OFF
	===== Whatever comes first	
PM	TRANSITION ALTITUDE	ANNOUNCE REACHED
	ALL ALTIMETERS	STD
	=====	
PM	10.000 FT	ANNOUNCE REACHED
PM	LANDING LIGHTS	OFF
PM	RUNWAY TURNOFF LIGHT SWITCHES	OFF
PM	FASTEN BELTS SWITCH	OFF
	=====	
PM	ENGINE START SWITCHES	OFF

AFTER TAKEOFF CHECKLIST		
PM	ENGINE BLEEDS	ON
PM	PACKS	AUTO
PM	LANDING GEAR	UP AND OFF
PM	FLAPS	UP, NO LIGHTS

KPCREW FOR ZIBO BOEING 737-800 FREEWARE (V2.3)

DESCENT PROCEDURE		AT BEGINNING OF DESCENT
PM LH & RH CTR FUEL PUMP SWITCHES		OFF
If center tank quantity below 3,000 lbs/1400 kgs		
PM PRESSURIZATION		LAND ALT ____ FT
PM RECALL		CHECKED ALL OFF
PF VREF		SELECT IN FMC
PM LANDING DATA		VREF __, MINIMUMS __
Set/verify navigation radios & course for the approach		
PM AUTO BRAKE SELECT SWITCH		AS NEEDED

DESCEND CHECKLIST		PM
PM PRESSURIZATION		LANDING ALTITUDE ____
ALL RECALL		CHECKED
PM AUTOBRAKE		____
ALL LANDING DATA		VREF __, MINIMUMS __ FEET
PF APPROACH BRIEFING		COMPLETED

ARRIVAL PROCEDURE		AT BEGINNING OF STAR
Whatever comes first		
PM TRANSITION LEVEL		ANNOUNCE REACHED
ALL ALTIMETERS		QNH
=====		
PM 10,000 FT		ANNOUNCE REACHED
PM LANDING LIGHTS		ON
PM FASTEN BELTS SWITCH		ON
PM AUTO BRAKE SELECT SWITCH		AS NEEDED
PM LOGO LIGHT SWITCH		AS NEEDED

APPROACH CHECKLIST		PM
ALL ALTIMETERS		SET QNH ____
PM NAV AIDS		SET AND CHECKED

LANDING PROCEDURE	
CPT LANDING LIGHTS	ON
CPT RWY TURNOFF LIGHTS	ON
PM ENGINE START SWITCHES	CONT
PM SPEED BRAKE	ARMED
CPT COURSE NAV 1	SET
PM COURSE NAV2	SET
===== Flaps & Gear Schedule	
PM FLAPS 1 SPEED	REACHED
PM FLAPS 1	SET
PM FLAPS 5 SPEED	REACHED
PM FLAPS 5	SET
PM FLAPS 10 SPEED	REACHED
PM FLAPS 10	SET
PM LANDING GEAR	SET
PM FLAPS 15 SPEED	REACHED
PM FLAPS 15	SET
PM FLAPS 25 SPEED	REACHED
PM FLAPS 25	SET
PM FLAPS 30	SET IF REQUIRED
PM FLAPS 40	SET IF REQUIRED
=====	
PM SPEED BRAKE	ARMED
PM GO AROUND ALTITUDE	SET
PM GO AROUND HEADING	SET

LANDING CHECKLIST		PM
PF ENGINE START SWITCHES		CONT
PF SPEEDBRAKE		ARMED
PF LANDING GEAR		DOWN
PF FLAPS		____ GREEN LIGHT

AFTER LANDING PROCEDURE	
CPT SPEED BRAKE	DOWN
CPT CHRONO and ET	STOP
CPT WX RADAR (EFIS PANEL)	OFF
F/O PROBE HEAT	OFF
F/O STROBE LIGHTS	OFF
CPT LANDING LIGHTS	OFF
CPT RWY TURNOFF LIGHTS	OFF
CPT TAXI LIGHTS	ON
F/O ENGINE START SWITCHES	OFF
F/O TRAFFIC	OFF
F/O AUTOBRAKE	OFF
F/O TRANSPONDER	STANDBY OR TARA
F/O FLAPS	UP
F/O APU	START IF REQUIRED
Hold APU switch in START position for 3-4 seconds	
F/O APU GEN OFF BUS LIGHT	CHECK ILLUMINATED

SHUTDOWN PROCEDURE	
CPT TAXI LIGHT SWITCH	OFF
CPT PARKING BRAKE	SET
===== Electrical power	
F/O APU GENERATOR BUS OR GPU	ON
CPT ENGINE START LEVERS	CUTOFF
F/O FASTEN BELTS SWITCH	OFF
F/O ANTI COLLISION LIGHT SWITCH	OFF
F/O FUEL PUMPS	APU 1 PUMP ON, REST OFF or
F/O FUEL PUMPS	ALL OFF
CPT CAB/UTIL POWER SWITCH	ON
CPT IFE/PASS SEAT POWER SWITCH	OFF
F/O PROBE HEAT	OFF
F/O WING ANTI-ICE SWITCH	OFF
F/O ENGINE ANTI-ICE SWITCHES	OFF
F/O ENGINE HYDRAULIC PUMP SWITCHES	ON
F/O ELECTRIC HYDRAULIC PUMP SWITCHES	OFF
F/O RECIRCULATION FAN SWITCHES	AUTO
F/O AIR CONDITIONING PACK SWITCHES	AUTO
F/O ISOLATION VALVE SWITCH	OPEN
F/O ENGINE BLEED AIR SWITCHES	ON
F/O APU BLEED AIR SWITCH	ON
F/O FLIGHT DIRECTOR SWITCHES	OFF
F/O TRANSPONDER	STBY
F/O MCP	RESET

SHUTDOWN CHECKLIST		F/O
F/O FUEL PUMPS		OFF
F/O PROBE HEAT		OFF
F/O HYDRAULIC PANEL		SET
CPT FLAPS		UP NO LIGHTS
CPT PARKING BRAKE		SET
CPT ENGINE START LEVERS		CUTOFF
ALL WEATHER RADAR		OFF

SECURE AIRCRAFT	
CPT CAB/UTIL & IFE GALLEY POWER	OFF
F/O TRIM AIR SWITCHES	OFF
CPT IRS	OFF
F/O EMERGENCY EXIT LIGHTS	OFF
F/O WINDOW HEAT	OFF
F/O PACKS	OFF
CPT APU	OFF
CPT BATTERY	OFF
F/O POSITION LIGHT	OFF
F/O HYDRAULICS	OFF

SHUTDOWN CHECKLIST		F/O
CPT IRSs		OFF
CPT EMERGENCY EXIT LIGHTS		OFF
CPT WINDOW HEAT		OFF
CPT PACKS		OFF

KPCREW FOR LAMINAR XP12 CITATION X CL750 FREEWARE (V2.3)

ORIGINATING CHECK		
All paper work on board and checked		
Preflight Inspection completed		
== INITIAL CHECKS		
F/O BATTERY SWITCHES 1 & 2	ON	
F/O AUX HYD PUMP A	ON	
F/O PARKING BRAKE	ON	
F/O LANDING GEAR HANDLE	DOWN	
F/O SPEED BRAKES & GROUND SPOILERS	DOWN	
F/O POWER LEVERS	CUT OFF	
F/O FLAP LEVER	UP	
F/O PANEL LIGHTS	AS REQUIRED	
F/O DAY/NITE DIM SWITCH	AS REQUIRED	
F/O EICAS SWITCH	ON	
F/O BATTERIES, 23 VOLTS	CHECK	
F/O EXT PWR	AS REQUIRED	
F/O OXYGEN PRESSURE	IN GREEN ARC	
F/O EMERG LT	CHECKED & ARMED	
F/O STANDBY POWER	TEST	
F/O STANDBY POWER	ON	
F/O DC LOAD SHED/EMER PWR	NORM/CHECKED	
== APU START		
F/O APU SYSTEM MASTER	ON	
F/O APU TEST	PUSH	
F/O APU STARTER	HOLD TILL START	
F/O APU N1 100%	READY	
F/O APU GEN	ON	
F/O APU AMPS LESS 200A	CHECK	
F/O CABIN POWER	ON	
F/O AVIONICS SWITCH	ON	
F/O DISPLAYS	ON	
F/O AILERON TRIM/RUDDER TRIM	RESET	
CPT ROTARY TEST	CHECK	
F/O FUEL XFER SELECTOR	OFF	
F/O AIR CONDITIONING PACK SWITCHES	ON	
F/O NAV LIGHTS	ON	

ORIGINATING CHECKLIST		
F/O BATTERY SWITCHES 1 & 2	ON	
F/O LH & RH GEN SWITCHES	OFF	
F/O EXTERNAL POWER OR APU	ON	
F/O AVIONICS SWITCH	ON	
F/O EICAS SWITCH	ON	
F/O AUX HYD PUMP A	ON	
F/O PARKING BRAKE	ON	
F/O STANDBY POWER	ON	

CDU PREFLIGHT BY CAPTAIN		
PREPARE KPCREW DEPARTURE BRIEFING		
SET UP FMS		

ENGINE START CHECK		
F/O AUX HYD PUMP A	ON	
F/O PARKING BRAKE	ON	
CPT EICAS	CHECK WARNING / ERRORS	
CPT STANDBY ATTITUDE ADI	UNCAGED	
CPT ATIS	BRIEFED	
ALL ALTIMETERS (3)	SET QNH	
CPT CLEARANCE	BRIEFED	
F/O FLIGHT DIRECTOR	SET	
CPT FMS	PROGRAMMED/VERIFIED	
F/O FUEL QTY/BALANCE	CHECK	
F/O PRESSURIZATION SOURCES	ALL NORM	
CPT PRESSURIZATION	SET CRUISE ALT 7500 FT	
F/O IGNITION SWITCHES	NORMAL	

PUSHBACK OPTIONAL		
F/O DOORS	CLOSED	
CPT PARKING BRAKE	ON	
F/O IGNITION SWITCHES	NORMAL	
F/O EXT PWR	DISCONNECTED	
F/O AUX HYD PUMP A	OFF	
CPT PUSHBACK SERVICE	ENGAGE	
CPT COMMUNICATION WITH GROUND	ENGAGE	
CPT PARKING BRAKE	RELEASED	

CHECKLIST	INTERACTIVE ITEM
MANDATORY PROCEDURE	AUTOMATIC ITEM
OPTIONAL PROCEDURE	OPTIONAL STEP
	MANUAL/CHECK ITEM

YOU ARE CPT | LHS | PF KPCREW IS F/O | RHS | PNF | PM

DOORS CLOSED READY TO START		
F/O DOORS	CLOSED	
F/O EXT PWR	DISCONNECTED	
F/O AUX HYD PUMP A	ON	
F/O FLAP LEVER	UP	
F/O GND REC (BEACON)	ON	
F/O PAC ISOL VALVE	CLOSED	
F/O APU BLEED AIR	ON	
F/O SEAT BELT LTS	PASS SAFETY	
CPT START PRESSURE	30 PSI (26 PSI MIN)	
F/O TRANSPONDER	STANDBY	
F/O CKPT PAC & CAB PAC	OFF	
F/O LH & RH ENG BLD AIR	HP/LP	
F/O HYDRAULIC A PRESSURE	CHECK > 2000 PSI	
F/O PARKING BRAKE	ON	
F/O POWER LEVERS	CUT OFF	

ENGINE START		
Wait for start clearance from ground crew		
CPT START SEQUENCE	AS REQUIRED	
CPT START FIRST ENG	START ENGINE x	
CPT ENGINE START SWITCH	PRESS x	
CPT 1ST ENGINE N2	INCREASING	
CPT POWER LEVER	LEVER x IDLE	
CPT STARTER LIGHT OUT	ANNOUNCE	
CPT START SECOND ENGINE	START ENGINE _	
CPT ENGINE START SWITCH	PRESS x	
CPT 2ND ENGINE N2	INCREASING	
CPT POWER LEVER	LEVER x IDLE	
CPT STARTER LIGHT OUT	ANNOUNCE	
When pushback/towing complete		
CPT TOW BAR DISCONNECTED	VERIFY	
CPT LOCKOUT PIN REMOVED	VERIFY	
F/O PARKING BRAKE	SET	
F/O HYDRAULICS	CHECKED	
F/O FGC/YAW DAMPER	ON	

TAXI CHECK		
F/O PARKING BRAKE	SET	
F/O GEN LH & RH	ON	
F/O CTR WING XFER LH & RH	BOTH NORM	
F/O CKPT PAC & CAB PAC	ON	
F/O APU GEN	OFF	
F/O APU GEN BLEED AIR	OFF	
F/O PRESSURIZATION SOURCES	ALL NORM	
F/O SPEED BRAKES & GROUND SPOILERS	DOWN	
====		
CPT EICAS	CHECK WARNING / ERRORS	
F/O PITOT STATIC	ON	
F/O ENGINE ANTI-ICE	AS REQUIRED	
F/O STABILIZER ANTI-ICE	AS REQUIRED	
F/O FUEL QTY BALANCE	CHECK	
F/O HYD PUMP A & B	NORM	
PF THRUST REVERSERS	CHECKED	
PF TAKEOFF BRIEFING	COMPLETED	
PF V SPEEDS	SET AND CHECKED	
ALL FLIGHT CONTROLS	CHECK	

PRE-TAXI CHECKLIST		
F/O FLAPS	SET AS REQUIRED	
F/O TRANSPONDER	AS REQUIRED	
F/O STABILIZER TRIM	SET GREEN ARC	
F/O INTERNAL LIGHTS	SET	
F/O TAXI LIGHT	ON	
F/O PARKING BRAKE	RELEASED	

KPCREW FOR LAMINAR XP12 CITATION X CL750 FREEWARE (V2.3)

CLEARED FOR TAKEOFF	
CPT FLAPS	CHECK T/O FLAPS
CPT AP ALTITUDE	SET CHECKED
CPT AP HEADING BUG	SET
CPT AP HDG MODE	SET
CPT AP VNAV	SET
F/O ENGINE ANTI-ICE	AS REQUIRED
F/O STABILIZER ANTI-ICE	AS REQUIRED
F/O WINDSHIELD HEAT LH & RH	ON
F/O ANTI SKID	NORM

RUNWAY ENTRY (BOTH)	
F/O STROBE LIGHT	ON
CPT TAXI LIGHT	OFF
F/O TRANSPONDER	ATC ALT ON
F/O PACS & BLEEDS	AS REQUIRED
CPT LANDING LIGHT	ON
F/O WEATHER RADAR	ON

TAKEOFF & INITIAL CLIMB	
== TAKEOFF	
PF TAKEOFF	ANNOUNCE
PF THRUST SETTING	TAKEOFF
PM POSITIVE RATE	GT 40 FT AGL
== GEAR UP	
PM COMMAND GEAR	UP
== RETRACT FLAPS	
PF FLAPS 15 SPEED	REACHED (OPTIONAL)
PF FLAPS 5	SET (OPTIONAL)
PF FLAPS 5 SPEED	REACHED
PF FLAPS UP	SET
PF A/P	ON
PF POWER LEVERS	SET CLIMB
PM PAC & BLEED SWITCHES	ON
F/O APU STARTER P	PRESS DOWN TO STOP
F/O APU	STOPPED
F/O APU SYSTEM MASTER	OFF
=== Whatever comes first	
PM TRANSITION ALTITUDE	ANNOUNCE REACHED
ALL ALTIMETERS	STD
=====	
PM 10000 FT	ANNOUNCE REACHED
PM LANDING LIGHTS	OFF
PM FASTEN BELTS SWITCH	OFF

AFTER TAKEOFF CHECK	
PM FLAPS	UP
PM CLB THRUST	SET
PM TAXI LIGHT	ON

DESCENT CHECK	
PF KPCREW APPROACH BRIEFING	PERFORM
PF VREF	CHECK IN FMC
PF LANDING DATA	VREF __, MINIMUMS __
PM PRESSURIZATION	SET LAND ALT __ FT
PM ENGINE ANTI-ICE	AS REQUIRED
PM STABILIZER ANTI-ICE	AS REQUIRED
PM CTR WING XFER LH & RH	BOTH OFF
PM LH & RH WNDSHLD ANTI-ICE	BOTH ON
=== Whatever comes first	
PM TRANSITION LEVEL	ANNOUNCE REACHED
ALL ALTIMETERS	QNH AT DEST
=====	
PM 10000 FT	ANNOUNCE REACHED
PM LANDING LIGHTS	ON
PM FASTEN BELTS SWITCH	ON

DESCENT CHECKLIST	
PF APPROACH BRIEFING	PERFORMED
PF NAVIGATION RADIOS	SET FOR THE APPROACH
PF MINIMUMS	SET
PF FMS	PROGRAMMED/VERIFIED
PF LANDING DATA	CONFIGURED
PF V SPEEDS	SET
PF TRANSITION LEVEL DESCENT FORECAST	SET
PF PRESSURIZATION	SET
PF PASSENGER BRIEFING	COMPLETED
PF SEAT BELT LTS	PASS SAFETY

LANDING PROCEDURE	
ALL ALTIMETERS (3)	SET QNH DESTINATION
PF LANDING LIGHT	ON
PM IGNITION SWITCHES	NORM
PM ENG SYNC	OFF
PF COURSE NAV 1	SET
PM COURSE NAV 2	SET
F/O AIR CONDITIONING PACK SWITCHES	AS REQUIRED
== FLAPS & GEAR Schedule	
=== GEAR DOWN	
=== FLAPS 5 (<250kts)	
=== FLAPS 5 (<210kts)	
=== FLAPS 5 (<180kts)	
PM FLAPS 35	SET
PM GO AROUND ALTITUDE	SET
PM GO AROUND HEADING	SET

DESCENT CHECKLIST	
PF GEAR	DOWN 3 GREEN
PF SPEED BRAKES & GROUND SPOILERS	RETRACTED
PF FLAPS	35
PF AUTOPILOT	OFF

AFTER LANDING	
F/O AILERON & RUDDER TRIM	RESET
F/O TRANSPONDER	AS REQUIRED
F/O WEATHER RADAR	STBY
F/O CHRONO & ET	STOP
F/O PITOT/STATIC	BOTH OFF
F/O FLAPS	UP
F/O SPEED BRAKES	RETRACTED
F/O EXTERNAL LIGHTS	AS REQUIRED
F/O STABILIZER ANTI-ICE	OFF
F/O ENGINE ANTI-ICE	OFF
F/O APU	START IF REQUIRED

SHUTDOWN PROCEDURE	
F/O TRANSPONDER	STANDBY
F/O THROTTLES	IDLE
F/O TAXI LIGHT SWITCH	OFF
F/O PARKING BRAKE	SET
F/O WHEEL CHOCKS	SET
F/O APU GEN	ON IF NEEDED
F/O APU BLEED AIR	ON IF NEEDED
F/O EXT PWR	AS REQUIRED
CPT THROTTLES	CUT OFF
F/O PSG BELT & SAFETY LT	OFF
F/O GEN LH & RH	OFF
F/O WINDSHIELD HEAT LH & RH	OFF
F/O L & R ENG BLD AIR	OFF
F/O EMERG LIGHTS	OFF
F/O FUEL BOOST	BOTH OFF
F/O PITOT / STATIC	OFF
F/O ENGINE ANTI-ICE	OFF
F/O STABILIZER ANTI-ICE	OFF
F/O HYD PUMP A & B	OFF
F/O AUX PUMP A	OFF
F/O STANDBY ATTITUDE ADI	CAGED
F/O AVIONICS SWITCH	OFF
F/O EICAS SWITCH	OFF
F/O STANDBY POWER	OFF
F/O BATTERY SWITCHES	OFF