

LEONARDO FLY THE MADDOGX & FS2CREW VOICE CONTROL- CAPTAIN'S FLOWS & CHECKLISTS

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FS2CREW MODE: < between brackets >

THIS DOCUMENT ONLY CONTAINS THE CAPTAIN (PF) FLOWS

WHITE/BLUE - CALL FOR CHECKLIST

FS2CREW FLOW INSTRUCTION

RED TEXT: PHRASE SPOKEN BY YOU

** SEE NOTE FOR ADDITIONAL

DIALOGUE AND INFORMATION

* TRIGGER PHRASE

COUNT DOWN TIMER IS SET IN THE DIALOGUE BOX

PRE-START PROCEDURE <PRE START (B)>

PARKING BRAKE	ON
BATTERY SWITCH	ON AND LOCK
FIRE LOOP TEST	PERFORM
EXTERNAL POWER	CONNECT AND ON BUSES
IF NO EXT POWER	USE THE APU
AFTER STARTING APU	
APU AIR SWITCH	ON (CHECK AIR PRESS CTR DUCT)
RIGHT PNEU-X-FEED	OPEN
RIGHT AIR COND SUPPY	AUTO
IF START PUMP IS ON	SET RIGHT AFT FUEL PUMP TO ON SET THE START PUMP TO OFF
POS/STROBE	BOTH
WING/NACL	ON

ONLY AFTER APU/EXT PWR ESTABLISHED , PRESS "START" ON FS2CREW

CONFIGURATION PANEL

STANDBY ATTITUDE INDICATOR	CAGE
EMERGENCY LIGHT TEST	PEFORM WITH FA
ARRIVAL ELEVATION DATA	SET IN PRESSURIZATION PANEL
FLIGHT DATA RECORDER PANEL	SETUP
EXTERNAL WALK AROUND	PERFORM
FMS AND FLIGHT CONTROL PANEL	SETUP
BANK ANGLE LIMIT	ROTATE TO 15°

AFTER FO PRE-FLIGHT PROC COMPLETE * TO RIGHT OF <PRE-START(B)>

SPEED BUGS	SET ACCORDING TO SPEED BOOK
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DEPARTURE BRIEFING

**ARE YOU READY FOR THE DEPARTURE BRIEF?
ANY QUESTIONS ?**

PRE-START PROCEDURE	+5 MINUTES
FMS PERF PAGE	ENTER ZFW
FLAP SETTING WINDOW	SET
CG WINDOW	SET
STABILIZER TRIM	SET
APU	CONFIRM ON & APU AIR SELECTED

PRE-START PROCEDURE	+4 MINUTES
SEAT BELT SIGN	ON

PRE-START CHECK ABOVE THE LINE

PREVIOUSLY COMPLETED SILENTLY BY FO

PRE-START CHECKLIST BELOW THE LINE <PRE START (B)>

COVERS AND PINS	REMOVED
AIRCRAFT LOG & DOCUMENTS	CHECKED ON BOARD
ALTIMETERS	QNH.../SET/CHECKED
FUEL/OIL/HYD QUANTITY	CHECKED
ZERO FUEL WEIGHT	SET
TRP	TAKEOFF / ___ TAKEOFF FLEX
STABILIZER	___ SET **
FLAPS TAKEOFF SELECTOR	STOWED
SPEED BUGS	SET

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<BEFORE START CHECK>	+1 MIN AFTER LOAD SHEET ARRIVES
PARKING BRAKES	SET / RELEASED
DOORS	CLOSED**
START-UP & PUSHBACK CLEARANCE	APPROVED
PNEUM X-FEED VALVE LEVERS	OPEN
AUX & TRANS HYD PUMPS	AS REQUIRED
ANTI COLLISION LIGHT	ON
AIR COND SUPPLY	OFF
FUEL PUMPS	ON
GALLEY POWER	OFF
IGNITION	A OR B
PNEUM PRESS	CHECKED

PUSHBACK	
SPEAK	COCKPIT TO GROUND
SPEAK ONE OF	We've been cleared for pushback and engine start**
SPEAK	BRAKES RELEASED
SPEAK	BRAKES SET
SPEAK	GOOD BYE**

ENGINE START	<S.CRW/ENG START>
PNEUMATIC PRESSURE	CHECK ABOVE 36 PSI
CALL	START RIGHT ENGINE
TIMER	START
FO CALLS "FUEL ON"	MOVE FUEL LEVEL ON, TAKE TIME
ANNOUNCE	FUEL ON
RIGHT ENGINE STABILIZED	ENGINE ANTI ICE ON (IF REQUIRED)
TIMER	RESET
CALL	START LEFT ENGINE
TIMER	AS ABOVE
FO CALLS "FUEL ON"	MOVE FUEL LEVEL ON, TAKE TIME
ANNOUNCE (AND REPEAT ABOVE)	FUEL ON
TO ABORT THE START CALL	ABORT START

<AFTER ENGINE START>	
GALLEY POWER	ON
ELECTRICAL LOADS (AC and DC)	CHECK IN LIMITS
AIR CONDITIONING SUPPLY SWITCHES	AUTO

AFTER (ENGINE) START CHECK	<AFT ENG START>
IGNITION	OFF
ELECTRICAL LOADS	CHECKED
AIR COND SUPPLY	AUTO
GALLEY POWER	ON
ICE PROTECTION PANEL	OFF/ENG ANTI ICE ON/BOTH ON
PNEUMATIC X-FEED VALVE	CLOSED / OPEN
FLIGHT CONTROLS	ACTIONS AND DIALOGUE BELOW
AILERONS	LEFT...SPOILER DEPLOYED
AILERONS	RIGHT...SPOILER DEPLOYED
ELEVATOR FORWARD	ELEVATOR POWER ON
ELEVATOR FULL AFT	ELEVATOR POWER NOT DISPLAYED
PEDALS	PEDALS
WHEN COMPLETED CALL	FLIGHT CONTROLS CHECK COMPLETED
HYD PUMPS & PRESS	CHECKED / HI /ON**
TO ADVANCE CHECKLIST SAY	CHECKED
ANNUNCIATOR PANEL	CHECKED
GROUND EQUIPMENT	REMOVED
ALL CLEAR SIGNAL	RECEIVED
FLAPS SLATS	SET

<CLEAR ON THE LEFT>	
WHEN READY TO TAXI CALL	WE ARE CLEAR ON THE LEFT
LANDING LIGHTS/NOSE LIGHT	EXT OFF/DIM
WHEN AREA CLEAR	CALL FOR CHECKLIST
TOGA BUTTON	PRESS (FMA TAKEOFF/TAKEOFF)
FLICK THROTTLES MAX/MIN	CHECK FOR NO TAKEOFF WARNING

<TAXI CHECK>	<TAXI>
FUEL HEAT	NOT REQUIRED / ON / OFF
FLAPS AND SLATS	_____ DEGREES TAKEOFF**
EPR BUGS AND TRP	SET AND CHECKED
TAKEOFF SPEEDS	NO CHANGES, VERIFIED**
TO BRIEFING	PERFORMED
ATC / DFGS / NAVAIDS	SET AND CHECKED
FMS	PRE-FLIGHT COMPLETED
APU AIR / MASTER SW	BOTH OFF / AIR OFF**
BRAKE TEMP AND PRESSURE	CHECKED

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<LINE UP>	
ANNOUNCE	CABIN CREW SEATS FOR TAKEOFF*
WEATHER RADAR	ON
LANDING LIGHTS	EXT ON

<LINEUP CHECK>	
CABIN	SECURED
WINDOWS	LEFT SIDE CLOSED
ANNUNCIATOR PANEL	CHECKED
IGNITION	SET TO A / SET TO B**
AIR COND SUPPLY	AUTO / MANUAL
TRANSPONDER	TARA
TAKEOFF CLEARANCE	RECEIVED**

WHEN CLEARED FOR TAKEOFF		<READY>
NOSE LIGHT	BRIGHT	
SEATBELT SWITCH	CYCLE	
ASK FO	READY*	
FO ANSWERS "YES"	START TIMING**	

TAKEOFF		<T/O ROLL - FO>
ANNOUNCE	TAKEOFF	
THROTTLES	ADVANCE 1.40 EPR	
AUTOTHROTTLE	ON	

<INITIAL CLIMB>	
POSITIVE RATE OF CLIMB	GEAR UP
LANDING LIGHTS/NOSE LIGHTS	RET OFF/OFF
AT 400 FEET	ARM NAVIGATION/ ENGAGE HEADING SELECT
AT 1500 FEET	SELECT CLIMB POWER
AT 3000 FEET	ENGAGE VNAV/ENGAGE IAS
FLAPS (DIRECT TO FULL UP)	FLAPS UP
SLATS RETRACTION SPEAK	SLATS RETRACT
ONCE SLATS RETRACTED	CALL FOR CLIMB CHECK
ABOVE MIN CLEAN SPEED	ROTATE BANK LIMIT TO 25°

REJECTED TAKEOFF PROCEDURE	<REJECT>
TO INITIATE RTO	BRING THROTTLES TO IDLE
IN TAKEOFF ROLL MODE....SPEAK	REJECT
THROTTLES	APPLY MAX REVERSE & MAX BRAKING
SPEEDBRAKES	ENSURE UP (PNF WILL ADVISE IF NOT)
SUBSEQUENT CALLS	SAMES AS NORMAL ROLL OUT
ONCE STOPPED MAKE PA	CABIN CREW AND PASSENGERS REMAIN SEATED
BELOW 30 KNOTS	RETRACT SPEEDBRAKE
MODE CHANGE TO AFTER LANDING	PNF PERFORM AFTER LANDING FLOW
TAXI BACK TO TRY AGAIN	CYCLE MODE TO RIGHT ONLY IN THE FS2CREW PANEL

<CLIMB CHECK>	
GEAR	UP
FLAPS / SLATS	UP / RETRACTED
AUTOSPOILERS / ABS	OFF DISARMED**
FLAPS TO SELECTOR	STOW
TRANS & AUX HYD PUMPS	OFF
PRESSURIZATION	CHECKED
IGNITIONJ	SET
FUEL PUMPS	AS REQUIRED
SEATBELTS	ON / OFF / AUTO**

WHEN CLEARED TO A FLIGHT LEVEL	
SPEAK	TRANSITION*.... PASSING FLIGHT LEVEL XX.... NOW*

PASSING 10,000 / FL100	
CROSS CHECK ALTIMETERS	PASSING FLIGHT LEVEL 100.... NOW*

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CRUISE	
FS2CREW - SET HARD MUTE	PREVENT UNWANTED COMMANDS
PA ANNOUNCEMENTS	IF DESIRED (ON YOUR OWN)
POWER ON TRP	SET TO CRUISE (CR)

JUST PRIOR TO TOP OF DESCENT	
TRANSPONDER	BELOW
APPROACH BRIEF	ARE YOU READY FOR THE APPROACH BRIEF
AUTOLAND	ANY QUESTIONS (THEN YES/NO)
CONFIRM DECISION ALTITUDE	FS2CREW CONFIG PANEL
	SET DH BUG CAPTAINS ALTIMETER
CALL	DESCENT CHECK

DESCENT CHECK	<DECENT>
PRESSURIZATION	SET
FUEL PUMPS	SET
HYDRAULIC PUMPS	HI / ON
FUEL QUANTITY	CHECKED
APPROACH BRIEFING	PERFORMED
LANDING DATA	SET

ALTIMETER CHECK (WHEN CLEARED TO AN ALT BELOW THE TRANS LEVEL	
ANNOUNCE	TRANSITION*....ALTIMETERS XXXX, PASSING XXXX FEET....NOW*

<APPROACH>	
NAV RADIOS	SET
CALL	APPROACH CHECK

<APPROACH CHECK>	
NAVIGATION	SET

LANDING (ON FINAL)	<FINAL>
ASK PNF TO SET RADIOS	SET ILS ON NAV 2
	SET LOCALISER ON NAV 2
	SET VOR ON NAV 2
CALL	LOCALISER CAPTURE
CALL	GLIDESLOPE CAPTURE
EXTEND FLAPS ON SCHEDULE	SLATS EXTEND/FLAPS 15 ETC
AFTER FINAL LANDING FLAP SELECTED	CALL "FINAL CHECK"
PASSING OUTER MARKER/4DME	LANDING LIGHTS EXT ON/DIM
BANK ANGLE LIMIT	ROTATE TO 15°
AFTER LAND CLEARANCE RECEIVED	NOSE LANDING LIGHT BRIGHT

<FINAL CHECK>	
GEAR	DOWN
IGNITION	SET TO A / SET TO B
AUTOSPOILERS & AUTOBRAKES	ARMED
FLAPS & SLATS	FLAPS ____ LAND
LANDING CLEARANCE	RECEIVED (TO GO, TO COME)
ONCE RECEIVED	LANDING CLEARANCE RECEIVED

<GO AROUND> OR MISSED APPROACH	
SPEAK	GO AROUND POWER FLAPS 15
TOGA (ONLY PRESS AFTER GA CALL)	PRESS
PNF	POSITIVE RATE
CALL	GEAR UP
PNF CALLS	FLIGHT GUIDANCE SYSTEM SET
AT 1500FT	SELECT CLIMB POWER
NORMAL CLIMB OUT FOLLOWS	

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<AFTER LANDING>	
SPEAK	AFTER LANDING CHECK
OR IF NO APU TO BE USED	AFTER LANDING CHECK WITHOUT APU
LANDING LIGHTS/NOSE LIGHT	EXT OFF/DIM

AFTER LANDING CHECK	
SPOILERS / ABS	RETRACTED AND OFF
FLAPS / SLATS	15 DEGREES TAKE OFF
PNEUM X-FEED	OPEN
TRANSPONDER	AS REQUIRED
RADAR	OFF
AIR COND SUPPLY	AS REQUIRED
APU	AS REQUIRED

<PRE-SHUTDOWN>	
ENTERING GATE/STAND POSITION	FLAPS AND SLATS
LANDING LIGHTS/NOSE LIGHT	RET OFF/OFF
IF APU NOT RUNNING	CONNECT EXTERNAL POWER PUT EXTERNAL POWER ON BUSES
FUEL LEVERS	OFF
WHEN ENGINES SHUTDOWN	SEAT BELT SIGNS TO OFF
CALL	PARKING CHECK

PARKING CHECK	<PARKING>
PARKING BRAKES	SET
FLAPS / SLATS	RETRACTED
APU / EXT POWER	ESTABLISHED
FUEL LEVERS	OFF
ANTI COLLISION	OFF
HYD PUMPS	OFF
SEAT BELT SW	OFF
ICE PROTECTION PANEL	OFF
TRANSPONDER	STANDBY

BEFORE LEAVING AIRCRAFT CHECK	<BEFORE LV AC>
THIS IS A READ AND DO CHECKLIST	
EMERGENCY LIGHTS	OFF
AIR COND	OFF
GALLEY POWER	OFF
WINDSHILED A-ICE & A-FOG	OFF
PITOT HEAT	OFF
LIGHTS / SCREENS	OFF
APU	OFF
BATTERY SWITCH	OFF

**** IF YOU WISH TO RUN A SECOND LEG DO THIS AFTER COMPLETING THE SHUTDOWN CHECKLIST**
 SKIP OVER THE PRE-START CHECKLIST
 USING ARROWS ON MAIN FS2CREW
 PANEL. CONTINUE AS NORMAL