

FS2Crew NGX Reboot SOP1 Reference

- +25 Minutes: Pre-Flight Events start. Door 1L and cargo doors open.
- +24 Minutes: If COLD AND DARK the FO starts the ELECTRICAL POWER UP SUPPLEMENTARY PROCEDURE
- +23 Minutes: PRELIMINARY PREFLIGHT PROCEDURE: IRSs OFF, WAIT 30s, THEN ON / FLIGHT RECORDER TEST / VOICE RECORDER SWITCH NORMAL / SERVICE INT SWITCH OFF / ENGINE PANEL SET / MACH OVERSPEED TEST / STALL WARNING TEST (NOTE: REQUIRES AC TRANSFER BUSES POWERED FOR UP TO 4 MIN) / SET PARKING BRAKE (IF BRAKE WEAR INDICATORS WILL BE CHECKED DURING THE EXTERIOR INSPECTION) / ATIS COPY
- +22 Minutes: FO starts walk around. Captain performs the CDU pre-flight using the estimated ZFW.
- +19 Minutes: FA asks if she can start the boarding. Respond: **YES PLEASE / GO FOR IT / OKAY** (boarding starts after 2 min)
- +18 Minutes: FO returns from walk around and starts his PREFLIGHT and CDU PREFLIGHT PROCEDURE. Captain starts his PREFLIGHT PROCEDURE: MASTER LIGHTS TEST AND DIM SWITCH TEST / EFIS CONTROL PANEL SET / MCP SET / OXYGEN TEST AND SET / FLIGHT AND STANDBY INSTRUMENTS CHECK / PARKING BRAKE SET / SET NAV RADIOS / AUDIO CONTROL PANEL SET / TRIMS CHECK FREE AND SET TO 0 / VERIFY FLIGHT PLAN
- +11 Minutes+: **PRE FLIGHT CHECKLIST (PLEASE)** → OXYGEN: **TESTED, 100%** / NAV TRANSFER & DISPLAY SWITCHES: **NORMAL, AUTO** / WINDOW HEAT: **ON** / PRESSURIZATION MODE SELECTOR: **AUTO** / FLIGHT INSTRUMENTS: **HEADING XXX, ALTIMETER XXXX** (Trigger: **ALTIMETER XXXX** e.g.: **ALTIMETER TWO NINE NINE TWO**) / PARKING BRAKE: **SET** / ENGINE START LEVERS: **CUTOFF**
- +10 Minutes: Obtain clearance if using ATC. Enter your cleared Altitude in the MCP Altitude Window.
- +9 Minutes: Run the Departure Brief. (SEC → DEP or **ARE YOU READY FOR THE DEPARTURE BRIEF? ... ANY QUESTIONS?**)
- +7 Minutes: Load sheet arrives. If load sheet arrives in person, respond: **THANK YOU / OKAY THANKS / THANKS**
- +6 Minutes: The FO will ask you if you want to start the APU (if off). Reply: **YES PLEASE / GO FOR IT / OKAY / NO**
- +5 minutes: Update FMC if required. Once CDU PREFLIGHT complete and load sheet reviewed: ARM AUTOTHROTTLE / SET V2 IN MCP / ARM LNAV/VNAV AS REQUIRED. DO NOT ARM LNAV IF EXPECTING VECTORS OR NOT DEPARTING ON A SID
- +3 Minutes: Cargo doors close.
- +1 Minute: Boarding complete. FA will notify you cabin ready and ask to close the cockpit door. Respond: **THANKS / THANKS IT WILL BE A SHORT TAXI / THANKS IT WILL BE A LONG TAXI / CLEARED TO CLOSE SHORT TAXI / CLEARED TO CLOSE LONG TAXI**
- +1 Minute: If the Air Start Cart not connected and APU running and on the busses, the wheel chocks will be automatically removed. The Air Conditioning Cart will also be removed if it is connected.
- +1 Minute: If desired, speak: **COCKPIT TO GROUND** → **CAN WE PRESSURIZE THE HYDRAULICS?** Unless the Air Start Cart is required for engine start, ask the Ground Crew to disconnect the ground equipment.
- +0 Minutes: **BEFORE START PROCEDURE**: SELECT TAKEOFF PAGE ON CDU / FLIGHT DECK WINDOWS LOCKED / OBTAIN CLEARANCE TO PRESSURIZE THE HYDRAULICS AND START THE ENGINES / TAKEOFF TRIM SET / RUDDER & AILERON TRIM SET
- +0 Minutes: **BEFORE START CHECKLIST (PLEASE)** → FLIGHT DECK DOOR: **CLOSED AND LOCKED** / MCP: **V2** ____, **HEADING** ____, **ALTITUDE** __ (Trigger: **ALTITUDE** e.g.: **ALTITUDE SEVEN THOUSAND / ALTITUDE FLIGHT LEVEL NINE ZERO**) / TAKEOFF SPEEDS: **V1** ____, **VR** ____, **V2** __ (Trigger: **VEE TWO** e.g.: **VEE TWO IS ONE FOUR SIX**) / CDU PREFLIGHT: **COMPLETED** / RUDDER AND AILERON TRIM: **FREE AND ZERO** / TAXI AND TAKEOFF BRIEFING: **COMPLETED** / ANTI COLLISION LIGHT: **ON**
- +0 Minutes: Pushback and Engine Start.

→ **START SEQUENCE IS TWO THEN ONE** → **START NUMBER TWO ENGINE / START ENGINE TWO / START RIGHT ENGINE**

→ **BEFORE TAXI PROCEDURE**: COMMAND TAKEOFF FLAPS AFTER FO SETS ENGINE START TO CONT / FLIGHT CONTROLS CHECK PERFORM (**FLAPS X** or **LEAVE THE FLAPS UP FOR TAXI** → **CONTROL CHECK** or **FLIGHT CONTROLS CHECK** → **FULL LEFT ... CENTER** → **FULL RIGHT ... CENTER** → FO responds: **CHECKED** → **FULL UP ... FULL DOWN ... CENTER** → Rudder: **FULL LEFT ... CENTER ... FULL RIGHT ... CENTER** → **FLIGHT CONTROLS CHECK COMPLETE**)

→ **BEFORE TAXI CHECKLIST (PLEASE)** → GENERATORS: **ON** / PROBE HEAT: **ON** / ANTI-ICE: **__** / ISOLATION VALVE: **AUTO/CLOSED** / ENGINE START SWITCHES: **CONT** / RECALL: **CHECKED** / AUTOBRAKE: **RTO** / ENGINE START LEVERS: **IDLE DETENT** / FLIGHT CONTROLS: **CHECKED** / GROUND EQUIPMENT: **CLEAR**

→ Optional: **CLEAR LEFT / CLEAR ON THE LEFT**. Taxi to runway. If flaps up call **FLAPS X** prior to BEFORE TAKEOFF CHECKLIST.

→ After cabin secure, **BEFORE TAKEOFF CHECKLIST (PLEASE)** → FLAPS: **FLAPS X GREEN LIGHT** or **X GREEN LIGHT** / STABILIZER TRIM: **5 POINT 4 UNITS**

→ **RUNWAY ENTRY PROCEDURE / BEFORE TAKEOFF PROCEDURE / CLEAR TO BACK TRACK** → **CLEAR LEFT / CLEAR ON THE LEFT** → **BEFORE TAKEOFF PROCEDURE**: WX RADAR, VSD, TERRAIN AS DESIRED / TRAFFIC ON ND

→ **TAKEOFF** → **N1 TO GA** → PM: **THRUST SET ... 80 KNOTS**; reply: **CHECKED** → PM: **V1 ... ROTATE ... POSITIVE RATE** → **GEAR UP**

→ If reject T/O: **REJECT REJECT** → **LETS TAXI BACK TO THE RUNWAY** or **THIS IS THE CAPTAIN EVACUATE EVACUATE EVACUATE**

- If VNAV off, after ACCEL ALT: **SET FLAPS UP SPEED** → **FLAPS X** → **FLAPS UP / FLAPS ZERO** → **AFTER TAKEOFF CHECKLIST (PLEASE)** → PM: Release cabin crew? **YES / OKAY / GO FOR IT / NO** → After 10,000; PM: Release cabin? **YES / OKAY / GO FOR IT / NO** → Passing FL290 check altimeters within 200ft of each other, then **WE ARE OKAY FOR R V S M** (repeat at ToD and hourly)
- If making a change in the FMC, prior to pressing EXEC, speak: **CONFIRM EXECUTE**. PM will reply **CONFIRM**. Then press EXEC.
- With AP on, when changing AP value inform the PM. He will respond: **CHECKED**

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→ Prior to ToD (150nm) prepare the approach brief (DO NOT RUN).

→ **LETS START SETTING UP FOR THE DESCENT** → **DESCENT PROCEDURE**: SET MINS SELECTOR (RADIO IF CATII/III or BARO) / SET DECISION ALT/HEIGHT AND SELECT APP/BCRS ON IFSD / VERIFY OR SET THE TRANSITION LEVEL ON THE FMC'S DESCENT FORECAST PAGE / PERFORM APPROACH BRIEF (SEC → APP or **ARE YOU READY FOR THE APPROACH BRIEF? ... ANY QUESTIONS?**)
→ Before 10,000ft, **DESCENT CHECKLIST (PLEASE)** → PRESSURIZATION: LAND ALT XXX / RECALL: **CHECKED** / AUTOBRAKE: XX / LANDING DATA: **VREF XXX, MINIMUMS XXXX FEET** (Trigger: **XXXX FEET**) / APPROACH BRIEFING: **COMPLETED**

→ At transition level; PM: **TRANSITION LEVEL, ALTIMETERS RESET XXXX** (to set QNH prior to TL: **SET TRANSITION / SET QNH / SET ALTIMETERS**)

→ After TL: **APPROACH CHECKLIST (PLEASE)** → ALTIMETERS: **XXXX SET** (Trigger: **SET**)

→ **FLAPS X** (if AP off, then: **FLAPS X MATCH SPEED**).

If visual approach then: **VISUAL** → **CANCEL THE BAROS / RESET THE BAROS** → Press RST on MINS selector → **CYCLE FLIGHT DIRECTORS / RECYCLE THE FLIGHT DIRECTORS**

→ PM: **LOCALIZER ALIVE ... GLIDESLOPE ALIVE**. Reply: **CHECKED** → **GEAR DOWN FLAPS 15** → Arm the speed brake → At G/S capture: **FLAPS 30/40** → set missed app alt or, if AP off, **SET MISSED APPROACH ALTITUDE** → if AP off, **SET VREF PLUS XX** → at OM or FAF/FAP; PM: **OUTER MARKER / FINAL APPROACH FIX, HEIGHT CHECKED, MISSED APPROACH ALTITUDE SET**. Reply: **CHECKED**

→ After landing flaps set, **LANDING CHECKLIST** → ENGINE START SWITCHES: **CONTINUOUS** / SPEEDBRAKE: **ARMED** / LANDING GEAR: **DOWN** / FLAPS: **FLAPS 15/30/40 GREEN LIGHT**

→ When cleared to land: **CLEARED** → At Mins; PM: **APPROACH LIGHTS**. Reply **CONTINUE** or **GO AROUND FLAPS 15** → PM: **THRESHOLD** or **RUNWAY**. Reply: **LANDING**

If go around then: Push TO/GA → **GO AROUND / GO AROUND FLAPS 15** → After PM: **POSITIVE RATE**, say: **GEAR UP** → If VNAV off, after ACCEL ALT: **SET FLAPS UP SPEED** → Retract flaps and call for **AFTER TAKEOFF CHECKLIST**

→ At rollout, PM: **SPEED BRAKE UP / NOT UP / REVERSES NORMAL** → PM: **60 KNOTS**, reply: **CHECKED** → PM: auto brakes disarmed, reply: **CHECKED**

→ After landing: speed brake down or **OKAY TO CLEAN UP** → **AFTER LANDING PROCEDURE**: SPEED BRAKE DOWN / WX RADAR (EFIS PANEL) OFF → If APU (DELAYED START) then: **START THE APU** → If runway cross: **CLEAR LEFT / CLEAR ON THE LEFT**

→ Prior to turn to gate: **LIGHTS AND DOORS**

→ Set parking brake and ensure TAXI LIGHT OFF → **SHUTDOWN PROCEDURE**: PARKING BRAKE SET / ENGINE START LEVERS CUTOFF / FLIGHT DIRECTOR OFF → **SHUTDOWN CHECKLIST (PLEASE)** → FUEL PUMPS: **OFF** / PROBE HEAT: **OFF/AUTO** / HYDRAULIC PANEL: **SET** / FLAPS: **UP** / PARKING BRAKE: **SET/RELEASED** / ENGINE START LEVERS: **CUTOFF** / WX RADAR: **OFF**

For subsequent flight press the down arrow on FS2Crew Main Panel and start over

→ **SECURE THE AIRCRAFT PLEASE** → **SECURE CHECKLIST (PLEASE)** → IRSs: **OFF** / EMERGENCY EXIT LIGHTS: **OFF** / WINDOW HEAT: **OFF** / PACKS: **OFF**