

FBW A380NX

FLIGHT CREW OPERATING MANUAL

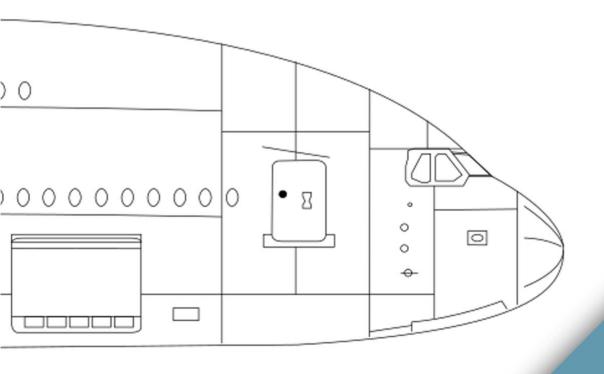






Table of Content

l.	Preliminary Cockpit Preparation	3
II.	Cockpit Preparation	10
III.	Before Pushback or Start	22
IV.	Engine Start	26
٧.	After Start	29
VI.	Taxi	32
VII.	Before Takeoff	37
VIII.	Takeoff	40
IX.	After Takeoff	43
Χ.	Climb	45
XI.	Cruise	48
XII.	Descent Preparation	50
XIII.	Descent	54
XIV.	Precision Approach	57
XV.	Non Precision Approach	63
XVI.	Visual Approach	69
XVII.	Landing	71
XVIII.	Go-Around	75
XIX.	After Landing	78
XX.	Parking	81
VVI	Securing the aircraft	Q

PRELIMINARY COCKPIT PREPARATION

FOR SIMULATION PURPOSES



Initial Power Up

<u>Engines</u>	
ENGINE MASTER SWITCHES 1, 2, 3, 4	OFF
ENGINE STARTER	NORM

Wipers

Batteries

ALL BATTERIES (BATTERY 1, ESSENTIAL BATTERY, BATTERY 2, AUXILIARY POWER UNIT BATTERY)........ON Verify that the OFF lights extinguish when the battery buttons are pressed.

External power

• If the AVAIL lights illuminate on the overhead panel:

Note: The external power units should be activated in the following order: 2 - 3 - 1 - 4. This particular order will result in a shorter start time of the display units.

Please acknowledge that the aircraft needs at least two external power units to power the whole electrical network. In case of high electrical demand, such as APU start or door activity, the pilot should consider using a third and a fourth external power unit or reduce the electrical load by switching the:

- CABIN FANS to OFF
 Press the CABIN FANS button on the overhead panel. The OFF light should illuminate.
- COOLING to OFF

Press the COOLG button on the overhead panel. The **OFF** light should illuminate.

<u>Note</u>: The pilot should set the CAB FANS and the COOLG to **ON** as soon as possible. When the Auxiliary Power Unit is available, no reduction of electrical load is necessary.

Cockpit lighting

COCKPIT LIGHTS......AS REQUIRED

On the overhead panel, set the STANDBY COMPASS as required and set the ANN light to **BRIGHT** or **DIM** as required. On the pedestal, set the Pedestal Flood Light knob, the Ambient Light knob, and Integ Light knob as required. Finally adjust the brightness of the Display Units: Primary Flight Display, Navigation Display, Multi-Function Display, Engine Warning Display, and System Display.



Initial Onboard Information System Power Up

<u>Laptops startup</u>
CAPTAIN & FIRST OFFICER LAPTOPS
BACKUP LAPTOPON
It is the same procedure as the captain's and first officer's laptops - The backup laptop is located in the First Officers lateral console and is needed to run the automatic data loading operations.
Keyboard and Cursor Control Unit (KCCU)
CURSOR CONTROL DEVICE AND KEYBOARDS 1 AND 2
Onboard Information System Applications Initialization
ONBOARD INFORMATION TERMINALON Turn the OIT knob in order to start the Onboard Information Terminal, then adjust its brightness as required.
ONBOARD INFORMATION TERMINAL SIDE
LOGIN AS PILOT
ONBOARD INFORMATION TERMINAL SIDE
LOGIN AS PILOTPERFORM
NAV CHARTSSTART You will be able to access NavBlue Chart+ here or Navigraph's charts.
OPS LIBRARYSTART
Company communications initialization
OIT SIDENSS AVNCS
INITIAL DATASEND
Send a request to the airline ground station via the INIT Data button. When the request is delivered, your request will appear on the sent items.
<u>Note:</u> Send Initialization after checking the input data and display data.
<u>Note:</u> Check Uplink message: CAT Recency, Full Thrust Recency And Statement Of Work Index Range.
Note: Statement Of Work Index Range is included for a month only if it is changed.
FLT OPS application status
OIT SIDE



Aircraft Status Verification

Minimum Equipment List (MEL)/Configuration Deviation List (CDL) items check

OIT SIDE......FLT OPS

MEL/CDL ITEMS.....CHECK DISPATCH CONDITIONS

To check the minimum equipment list/configuration deviation list, access the Minimum Equipment List and Configuration Deviation List items via the Logbook status panel of OPS Library. Next, verify that all MEL items are automatically actived in performance applications. Finally check that Configuration Deviation List items are automatically activated in performance applications without missing parts.

Aircraft acceptance

Previous ECAM alerts

Verify that the VHF3 Data mode is active and then, in the flight acceptance report, sign the acceptance.

Note: The aircraft acceptance can be signed later but has to be before the end of the Cockpit Preparation.



Fire tests and APU startup

Radio management panels (RMP) startup	
RMP 1 and 2 Switch on both the radio management panels (RMP), situated on the pedestal.	ON
STANDBY RADIO NAVIGATION	OFF
COMMUNICATION FREQUENCIES	
<u>Note:</u> The speaker volume must be adjusted for monitoring throughout the flight.	
INT RECEPTION Press and release the Interphone Reception knob to the out position. This enables communicate Auxiliary Power Unit and Engine fire test	•
Note: The pilots should perform the fire tests when the auxiliary power unit is available APU FIRE	.CHECK IN and GUARDED
APU AGENT	OFF
ENGINE 1(2)(3)(4) FIRE	.CHECK IN and GUARDED
ENGINE 1(2)(3)(4) AGENT 1 and 2	OFF
FIRE TEST	PRESS
The pilots maintains the TEST pushbutton pressed throughout the test. TEST RESULT: Verify that the fire detection systems and extinguishing systems are functional by checking the repetitive chime sound, the master warning light flashes on the glareshield, the ECAM displays (ENG 1(2)(3)(4) FIRE, APU FIRE, MLG BAY FIRE), All engine fire pushbutton and the auxiliary podisplays in red, the squib light of the engine and apu agent pushbuttons are illuminated, the diauxiliary power unit agent pushbuttom illuminates and all fire lights on the engine master pan	the engine fire alert messages wer unit fire pushbutton isch light of the engine and
Auxiliary Power Unit start	
APU MASTER SWITCH	ON
APU START Ensure that the APU flap is fully open by looking on the auxiliary power unit page on the systematics.	
Electrical supply	
EXTERNAL POWER	-



Flight Plan Preparation

Flight Management System / Onboard Information System FLT OPS system

The pilot initializes the onboard information system entering the following information: departure and arrival airport (FROM/TO) and flight number. Please note, the onboard information system can be initialized automatically from the flight management system. This also enables the automatic initialization of the FLT OPS application (Performance and navigation charts), the aeronautcal operation control (AOC), and the logbook.

 If the company flight plan is received via ACARS: 	
AIRCRAFT STATUS	(
RECEIVED COMPANY FLIGHT PLANINSERT Please note, the company flight plan will be automatically load in the flight management system. If for any reasons the pilot want to locate the company flight plan to a secondary flight plan of the flight management, they must ensure that the previous secondary flight plan is deleted.	
FLIGHT NUMBER and DEPARTURE/ARRIVALCHECK Verify the flight number and the departure and destination airport on the active initialization page on the flight management system.	Ĺ
OIT SIDEFLT OPS	;
FLT OPS STSSELECT	Γ
FLT OPS STSCHECK UPDATED Verify that the flight management system correctly updated the FLT OPS application by verifying flight number and the departure and arrival airports.	1
• If the company flight plan is not received via ACARS:	
OIT SLIDE	j
FLT OPS STSSELECT	
FLIGHT NUMBER and DEPARTURE/ARRIVALINSERT Insert the flight number and the departure airport and arrival airport in the FLT OPS application.	
FLT OPS STS pageCHECK UPDATED Verify that the flight management system correctly updated the FLT OPS application by verifying flight number and the departure and arrival airports.)
Preliminary takeoff performance determination	
We recommend to consider the environmental conditions as well as the aircraft condition when computing the performance data.	
T.O PERFSTAR	Γ
Initialize the T.O performance application on the onboard information system.	
AIRFIELD DATAOBTAIN Use the airfield date to compute the preliminary takeoff performance.	I



COCKPIT PREPARATION

FOR SIMULATION PURPOSES



Overhead Panel

White lights

– Whe	n scanning the overhead panel:
ALL WHIT	E LIGHTSOFF
We recomn	nend to turn OFF all white lights for all systems, starting at the bottom to the top, from the left to the right side of ad panel.
<u>Note:</u> - -	This procedure may be based on operator policy. During cockpit preparation, the GND CONNECTION and the REMOTE C/B CTL on the maintenance and maintenance electrical panel respectively can be kept ON as long as maintenance personnel are on site using the portable maintenance access terminal (PMAT) for maintenance purposes. While scanning the overhead panel during this procedure, check that the only amber lights are the GEN FAULT lights.
Recorder	
RCDR GN	D CTL ON
	nend turning on the recorder ground control to help investigators in case an accident happened after departure.
EVAC	
CAPT/CAI	PT & PURSCAPTAIN
We recomn	nend setting the CAPT/CAPT & PURS on the captain slide. However, this may be different based on company policy.
Probe & v	vindow heat
PROBE &	WINDOW HEATAUTO
The probe o	and window heat should only be set to ON in cold weather conditions.
<u>Air Data I</u>	nertial Reference System (ADIRS)
ALL IR MO	DDE NAV
recommend available to	nend to align the inertial references as soon as possible. The initialization may take some time. We also if to complete a full alignment if this is the first flight of the day, the flight crew has changed, the GPS is not all segment in the flights, or that the pilot expects long segments with low NAVAID coverage. We recommend to ast alignment for all other flight conditions.
<u>Note:</u>	We recommend ensuring that at least one inertial reference system remains operative when a refuel operation is in progress.
<u>Emergen</u>	cy Locator Transmittor (ELT)
ELT	ARMED
Reset par	nel
_	
	TTONS (Left side)
verijy tilut	an reset battons are pushed, and none are in the outward position.



Exterior lighting

STROBE	AUTO
BEACON	OFF
NAV	ON
When turning the navigation light to ON, the navigation and obstruction lights illuminate.	
REMAINING EXTERIOR LIGHTS	AS REQUIRED
<u>Passenger signs</u>	
SEAT BELTS	ON
We recommed to set the seat belts sign to ON once the refueling process is completed.	
NO SMOKING	AUTO
EMER EXIT Light	ARM
Engine starter ENGINE START Air conditioning APU BLEED We do not recommend to use the auxiliary power unit bleed system if a high pressure ground air aircraft. This can be checked on the bleed page of the system display. If there is pressure in the bleed pressure ground air unit is connected.	ON r unit is connected to the
XBLEED	ΔΙΙΤΟ
AIR FLOW	
The bleed system works with the flight management system. If there is no number of passenger management system, the airflow will be automatically set the air flow like when the value enter passenger. If the number of passenger is entered, the airflow will automatically adjust to that nu	entered in the flight ed is the maximum number of
CKPT	AS REQUIRED
We recommend setting the temperature to approximately 21.5° C.	
CABIN	PURS SEL
Please note that the cabin temperature can only be controlled from the flight attendant panel.	



Electrical systems

ELEC DC SD PAGE	DISPLAY
ALL BATTERY (BATTERY 1, ESSENTIAL BATTERY, BATTERY 2, and APU BATTERY)	
<u>Fuel system</u>	
TRIM TK FEED	AUTO
<u>Maintenancepanel</u>	
ALL LIGHTS	OFF
Verify that all lights are off. If a light is still on, press the associated pushbutton to turn off the light.	
Cargo air conditioning	
CARGO AIR COND selectors	AS REQUIRED
Radio management panel (RMP) 3	
RADIO MANAGEMENT PANEL 3	ON
STBY RAD NAV key	OFF
Cockpit voice recorder (CVR)	
CVR TEST	PRESS
Press and release the pushbutton. The test will fail if the ECAM alert message "RECORDER CVR FAULT" after the press of the pushbutton.	
Reset panel	
RESET BUTTONS (Right side)	СНЕСК
Verify that all the reset buttons are in the pushed position.	



Main Instrument Panel

Switching	
SWITCHING selectors	
Integrated Standby Instrument System (ISIS)	
INTEGRATED STANDBY INSTRUMENT SYSTEM	
Landing gear gravity system	
L/G GRVTYOFF	
<u>Clock</u>	
CLOCK	
<u>Anti-Skid</u>	
A-SKID ON	



Pedestal

Parking brake
PARKING BRAKE
Body accumulators pressure
BODY ACCUMULATORS PRESSURE
Engines settings
THRUST LEVERSIDLE
THRUST REVERSER LEVERSSTOWED
ENGINE MASTER 1, 2, 3 AND 4OFF
Cockpit door lock
COCKPIT DOOR SWITCHNORM



Air Traffic Control Communication

 On the MFD ATC COM/MSG RECORD page: 	
MESSAGE RECORD	
 On the MFD ATC COM/CONNECT/CONNECTION ST If ADS services are expected: 	TATUS page:
ADS	CHECK ARMED
Air Traffic Control C	learance
ATC CLEARANCE	ORTAIN
We recommend obtaining the air traffic control clearance at this mome	
NAVIGATION CHARTS CLIPBOARD	PREPARE
With the air traffic control clearance, prepare the appropriate charts.	
MultiFunction Display S	Surveillance
SURV DEFAULT SETTINGS Verify on the multi function display surveillance control page that the trosame, the TCAS is set to TA/RA and Norm, all TAWS modes are ON, and to AUTO, Mode set to WX, TURB set to AUTO, GAIN set to AUTO, WX OR	ansponder is set to AUTO , the squawk code is the the weather radar is set to AUTO , the elevation/tilt
Flight Management Systen	n Initialization
Flight plan	
FLIGHT PLAN INITIALIZATION We recommend to enter the entirety of the flight number as filed in the on company policy.	,
Winds predictions	
WINDS	ENTER AS APPROPRIATE
We recommend to use the forcased wind from the computerized flight p	



Inertial Reference System

If the GP	S is available:
, ,	S are aligned or in alignment in the POSITION/IRS page of the flight management system.
	is not available, or is failed: ALIGN
Set the IRS to the	
<u>Departure se</u>	<u>lection</u>
DEPARTURE	SELECT/CHECK
Verify that the demanagement sys	eparture is selected. Ensure the correct runway, SID, and TRANS in the departure page of the flight tem.
<u>Navaids</u>	
	AS REQUIRED MS to acknowledge any navaids that are unavailable. Deselect them in the FMS POSITION/NAVAIDS page.
Fuel and pay	<u>load</u>
ZFW/ZFWCG	INSERT
If the data is not distribution.	available yet, the pilot can insert the expected values to enable performance predictions and the optimal fuel
BLOCK FUEL	INSERT
CAUTION	Some speeds are displayed on the primary flight display are based on the ZFW and ZFWCG. If expected values are entered, the captain has the responsibility to insert the actual values.
-	utomatically redistributed. If the refuel is not completed, pilot can enter expected values for prediction. captain's responsibility to insert the actual values whenever the captain get the data.
RTE RSV/FINA	CHECK/INSERT AS APPROPRIATE
	DEST



Takeoff performance

flight plans are deleted.

PRELIMINARY TAKEOFF PERF DATA Insert the takeoff performance data on the takeoff panel situated in the active performance passible.	
V1, VR and V2	INSERT
TOGA/FLEX/DERATED	SELECT/INSERT
FLAPS	SELECT
ANTI-ICE	INSERT
THRUST REDUCTION/ACCELERATION ALTITUDE	SET or CHECK
NOISE PROCEDURE	ACKNOWLEDGE
TRANS ALTITUDE	AS APPROPRIATE
EO ACCEL ALTITUDE	SET or CHECK
Climb performance DERATED CLIMB Select the appropriate derated climb in the climb page of the active performance page of the	
Speed preselection	
On the climb and cruise panel of the active performance page of the f	light management
system: PRESEL SPEEDS	AS REQUIRED
Active flight plan verification	
COMPUTERIZED FLIGHT PLAN We recommend the use of the computerized flight plan from the electronic flight folder as ref predictions.	
ACTIVE FLIGHT PLAN	eed limit or constraint. Then,
Secondary flight plan	
SECONDARY FLIGHT PLANS	AS APPROPRIATE
We recommend the use of secondary flight plans. Secondary flight plan should be used to ant immediate return, or an emergency landing to the nearest airport. However, the pilot must en	icipate a runway change, an



Both pilots insert the navigation charts to the clipboard.

A380X For simulation purposes only

Route summary

ROUTE SUMMARY Verify the route summary in the route page of the data section from the flight management sy	
Flight Management System	
FMS INITIALIZATION	CROSSCHECK
We recommend verifying the information, such as the airfield data, the status of the IRS alignments data, the takeoff performance, and the flight plan.	ment, the fuel and payload
Navigation charts clipboard	
NAV CHARTS CLIPBOARD	IMPORT



Glareshield

Cockpit lighting
INTEGRAL LIGHTSAS REQUIRED
<u>Loudspeaker</u>
LOUDSPEAKERSET We recommend setting the loudspeaker knob to the 1 o'clock position.
Barometric reference
BAROMETRIC REFERENCE
<u>Note:</u> The pilot may notice a difference of 0.01 inHg between the QNH value for the primary flight displays and the integrated standby instrument system. However, this does not impact the altitude computation.
Electronic Flight Instrument System Control Panel
NAVIGATION DISPLAY MODE AND RANGE
WEATHER RADAR
OTHER EFIS OPTIONS
Auto Flight System Control Panel
FLIGHT DIRECTORON
NORTH REF
SPD/MACH, HDG / TRK, V/S / FPA windows
ALT window
AUTO FLIGHT SYSTEM CONTROL PANELCROSSCHECK



Lateral Consoles

Oxygen mask test

It is mandatory to test the oxygen masks. To do it, simply verify that the oxygen mask blinker turns yellow, and that you can hear a flow of oxygen via the loudspeaker.

	_	On the RMP:
		INT/RADINT
	_	On the mask stewage box:
		OXYGEN MASK TESTPERFORM
	_	On the DOOR SD page:
		REGUL PR LO indication
S	<u>lidi</u>	ng windows
		DING WINDOWSCLOSED/LOCKED ify that the green part of the unlock pushbutton is visible. This is situated on the control handle.
		Takeoff Briefing
	The	KEOFF BRIEFINGPERFORN takeoff briefing should contain information over the planned course for normal and abnormal operations during the eoff. It should also outline any other operational risks.

BEFORE PUSHBACK OR START

FOR SIMULATION PURPOSES



Loadsheet Verification

Loadsheet

	ET ne loadsheet is accurate.	СНЕСК
		CHECK
		that it corresponds to the flight plan and to the loadsheet.
ZFW/ZFWCG		CHECK/REVISE
	mparing the ZFW/ZFWCG of the loadshee	t with the entered values in the active fuel and payload page of
ZFW/ZFWCG		CROSSCHECK
The pilot verify on b	ooth flight management system the value	s of the ZGW/ZFWCG.
LOADSHEET TO	G AND ECAM GWCG	CROSSCHECK
the values is higher		e ECAM gross weight center of gravity. If the difference between ctly inserted. It might be a consequence of an abnormal fuel
ECAM GWCG		CHECK WITHIN OPERATIONAL LIMITS
		system display is within the operational limits of the aircraft. To
verify the operation	al limits, use the onboard information sys	stem loadsheet application. If the ECAM CGWG is within
Insert the take	off center of gravity indicated on the load in FMS ACTIVE/PERF page	INSERT T.O CG (in %) dsheet. CROSSCHECK SIGN and EXPORT
FINAL LOAD	SHEET	SIGN and EXPORT
	M GWCG is not within the opera	
The ground tro ZFWCG values until the ECAN	ansfer will automatically acttivate to obta inserted in the flight management syster	in the ground center of gravity target in accordance of the ZFW / m. We recommend waiting the automatic ground transfer (AGT) ETED" appears. However, if limited by time, you can manually of gravity is within operational limits.
<u>Note</u> :		amount of fuel that should be transferred to be within the
<u>Note</u> :	We do not recommend to launch the o	automatic ground transfer when the aircraft is moving.
AUTO GND	XFR	MONITOR
THS FOR		INSERT T.O CG (in %)
We recommer		ndicated in the loadsheet to insert the takeoff center of gravity in
THS FOR _ i	n FMS ACTIVE/PERF page	CROSSCHECK
FINAL LOAD	SHEET	SIGN and EXPORT



Takeoff data

OIS FINAL TAKEOFF PERFORMANCE
FMS TAKEOFF DATA
REVISED FMS TAKEOFF DATACROSSCHECK Verify the takeoff speeds, flexible temperature, and takeoff configuration.
 In accordance with airlines policy or if required by operational regulation:
FINAL TAKEOFF PERFORMANCESTORE IN CURRECT ELECTRONIC FLIGHT FOLDER
Seating position
SEATS, SEAT BELTS, HARNESSES, RUDDER PEDALS, ARMRESTS
Head up display
HEAD UP DISPLAY DEPLOY
HEAD UP DISPLAY knob
We recommend to adjust the brightness to the pilot's discretion.
DISPLAY MODE
Multi function display
Multi Function DisplayIN TAKEOFF CONFIGURATION
The pilot in command should have the takeoff panel of the active performance page of the flight management system, while the pilot monitoring should have the active flight plan page.
External power
EXTERNAL POWERCHECK AVAILABLE
We recommend pushing the external power pushbutton to show the AVAIL light before requesting the disconnection.
EXTERNAL POWER DISCONNECTIONREQUEST
Low pressure ground cart
LOW PRESSURE GROUND CARTS
Before start checklist down to the line
BEFORE START CHECKLIST down to the line



When Cleared for Start

when the all traffic t		age to the ground crew.
	,,,,	age to the ground crew.
<u>Video camera</u>		
TAXI VIDEO		AS REQUIRED
We recommend setti	ing the TAXI video on the primary flight display	or on the system display.
Windows and d	<u>oors</u>	
WINDOWS AND D	DOORS	CHECK CLOSED
Verify on the DOOR s	system display that the doors are locked. Verify	also that the windows are closed.
SLIDES		CHECK ARMED
Exterior lights		
_		
		ON
Set the beacon light t	to ON when cleared for pushback.	
Thrust levers se	ettings	
	_	
		IDLE seyond the idle detent, it can damage the engine at start-
up.	it levers are at the lale position. If the lever is t	eyona the lale detent, it can damage the engine at start-
•		
Parking brake a	and nosewheel steering	
If nuchhack	s is not required:	
-	-	ON
	pressure is above 3 500 PSI on the triple pressu	
 If pushback 	s is required:	
		OFF
N/W STEER D	DISC MEMO	CHECK DISPLAYED
CAUTION		CAM message "N/W STEER DISC" memo, but the ground
Follow the instruction	rew confirms that the tow pin is in the towl ns of the ground crew. Set the parking brake w	ng position, do not proceed to the pushback
. C. C. T. C. T. C. T. G. G. G. C. C. C. T. C. T	2,2 g. zaa a. a see the parking brake w	

ENGINE START

FOR SIMULATION PURPOSES



Engine Start

The engine	START selector
	o "ENG 2(3) REVERSER FAULT ECAM" ECAM alert appears:
START EI	NGINES 1 and 2
We recom	MASTER 1, then 2
Note:	We recommend to monitor the engine parameters. However, callouts are not mandatory.
<u>Note:</u>	The engine vibrates at the start. The tolerance of excess for the N2 vibrations are 5 units over the limit. However, this is only tolerated on a short amount of time and only during the start sequence. This is due to thermal stabilization of the engine.
<u>Note:</u>	The full authority direct engines control (or FADEC) will automatically crank the engine for 20 seconds when the N2 level reaches 20 %
• Wh	en the engine reaches idle (I.e. AVAIL appears on the engine warning display):
Verify that	IDLE PARAMETERS
START E	NGINES 3 and 4ANNOUNCE
Announce	the remaining engine to starts, depending on the first engines to start.
	MASTER 3 then 4ON mend to apply the same procedure indicated for the engine 1 and 2.



If ENG 2(3) REVERSER FAULT ECAM alert appears:

			• •		
Ву	NGING START selector setting the engine start selector to FADEC) system.				
•	When XX appears on EN	IG parameters:			
	ENG START selector				IGN START
	This action should reset the thrumaintenance work.	ıst reverser failure m	essage. If the mess	age reappears, the ai	rcraft will require
•	If ENG 2(3) REVERSER I	AULT ECAM ale	ert no longer a	ppears after 10	s:
	ENGINES 1 and 2	•••••			START
	We recommend to apply the sai	me procedure as indi	cated for the engin	e start sequence.	
	ENGINES 3 and 4				START

We recommend to apply the same procedure as indicated for the engine start sequence.

AFTER START

FOR SIMULATION PURPOSES



After Start

Engine start selector
ENGINE START selector
<u>Note:</u> We recommend to wait 3 minutes before taking off to prevent thermal shock.
Bleed system
AUXILIARY POWER UNIT BLEEDOFF
The auxiliary power unit bleed valves close. All engine bleed valves automatically open.
Engine Anti-Ice system
ALL ENGINE ANTI-ICE
The pilot must perform the ice shedding procedure. So, engine run-up must be performed at least every 30 minutes of the taxi time, and before taking off. To make an engine runup, set the parking brake to ON, then increase the thrust to 60% of N1 on two symmetric engines. Then, proceed to the last two engines.
CAUTION If the aircraft start to move, abord the engine run-up procedure. Then, when the aircraft is stationary, redo the procedure, but only one engine at the time.
<u>Auxiliary Power Unit</u>
APU MASTER SWITCHOFF
If the auxiliary power unit is no longer required, turn it OFF .
Ground spoilers
GROUND SPOILERSARM
Pull the ground spoilers lever to the outward position to arm the ground spoilers.
Rudder trim
RUDDER TRIM ZERO
Ensure that the rudder trim is at zero. If it is not the case, press the RESET button on the rudder trim panel.
<u>Flaps</u>
FLAPS SET
We recommend to set the flaps to takeoff position. Verify the position on the slats/flap display on the primary flight display. If taxiing in icing condition, delay the flaps extension until the runway holding point. This prevents contamination in the mechanism.



The checklist can be found in the document "FBW A380X Checklists"

A380X For simulation purposes only

Pitch trim

PITCH TRIM......CHECK Verify that the pitch trim is set to the takeoff trim position. It is displayed on the primary flight display. **ECAM STATUS** ECAM STATUS......CHECK Verify that there is no status reminder in the engine warning display. If a status reminder is siplayed, press the STS button on the ECAM control panel to display the STATUS page. **Ground crew** CLEAR TO DISCONNECT......ANNOUNCE When the clearance to disconnect is given, the ground crew should remove the chocks, remove the tow pin, disconnect the interphone and make a hand signal on one side of the aircraft. "N/W STEER DISC" ECAM message N/W STEER DISC MEMO......CHECK NOT DISPLAYED Flight controls verification FLIGHT CONTROLS......CHECK We recommend to perform the fligth control verification when the flaps are set to the takeoff configuration. To perform the test, the captain remain silent, while the first officer announces call-outs. We recommend to start with the pitch, then roll, then yaw. The captain must ensure to maintain the sidestick to the position to give enough time to the control to reach the full position. The first officer monitors the flight control page of the system display and announces "FULL UP", "FULL DOWN", "NEUTRAL", "FULL LEFT", "FULL RIGHT", "NEUTRAL". For the rudder, the captain must press the PEDAL DISC pushbutton to disconnect the nosewheel steering, then apply the left and right position of the rudder. After start checklist AFTER START CHECKLIST......COMPLETE

TAXI

FOR SIMULATION PURPOSES



pilot may feel a square wheel effect.

A380X For simulation purposes only

TAXI

To acknowledge a ramp coordinator signal, turn the turnoff lights **ON** then **OFF**.

<u>Air Traffic Control Clearance</u>
TAXI CLEARANCEOBTAIN
External and taxi aid camera system (ETACS)
TAXI
Airport navigation
We recommend to always have direct external visuals to taxi around an airport.
NAVIGAT DISPLAY RANGE selector
Exterior lights
NOSE LIGHTSTAXI
We recommend to set the nose light switch to the ON position.
RWY TURN OFF & CAMERAAS REQUIRED
Parking brake
PARKING BRAKEOFF Verify that there is no pressure indicated on the triple pressure indicator.
<u>Thrust Levers</u>
THRUST LEVERS

uphill taxi slope. Excessive thrust can damage airport signalisation. If need of higher thrust, we recommend to add the thrust on the outer engines to prevent ingestion of foreign object debris. Please note that when the engine anti-ice is on, the ground idle thrust is higher. Please note that if the aircraft was parked for more than 6 hours in a high temperature conditions, the



Brakes

BRAKES	CHEC
0, 10, 10, 1	The first brake application when the aircraft was parked in a wet condition for an extended period monaffect effectiveness.
between 10 to 20 knd	erify the brakes by pressing smoothly the brake pedals and release. We recommend to have a taxi spee ots in a straight line. The maximum taxi speed is 30 knots. If the speed is exceeded, brake until it reach e aircraft accelerate again. We recommend to be between 8 and 10 knots in a sharp turn.
osewheel stee	ering
NOSEWHEEL STE	EERINGAS REQUIRI
We recommend smo	ooth and progressive input. Please note that the maximum steering angle is 70°.
<u>ir traffic contr</u>	rol clearance
ATC CLEARANCE.	CONFIR
akeoff data	
Update the takeoff o	data if the runway has been changed.
TAKEOFF DATA	A COMPUTATION
• If multiple r	runway selection was used:
T.O PERF	ACCE
	JNWAY AND INPUT DATACHEO
	TACHEC off data of the runway selected for takeoff.
• If takeoff co	onditions have changed:
T.O PERFORM	MANCEACCE
NEW RUNWA	AY/NEW CONDITIONSSELECT/ENT
	RFORMANCECOMPUT d to relaunch the computation to have the latest accurate data.
	RFORMANCE RESULTSCROSSCHEO



IN THE FMS ACTIVE/PERF PAGE

• In the case of ATC clearance or takeoff change:
TAKEOFF PERFORMANCE DATAUPDATE
We recommend to update the flight management system according to the takeoff performance computation. Verify that the takeoff panel of the active performance page of the flight management system, as well as the active flight plan page of the flight management system is still valid. However, if the pilot created a secondary flight plan which anticipated a runway change, activate the secondary flight plan.
V1, VR AND V2UPDATE
Update the speed and ensure that those are around the expected speed.
FLEX TAKEOFF TEMPERATURE
FLAPSUPDATE
FLIGHT MANAGEMENT SYSTEM UPDATESCROSSCHECK Verify both flight management system and ensure that the data are corresponding.
FLAPS LEVER
Auto Flight System/Flight instrument
 If runway change or different air traffic control clearance:
FLIGHT PLAN (SID, TRANS)
INITIAL CLIMB SPEED AND SPEED LIMIT
CLEARED ALTITUDESET
Set the cleared altitude on the auto flight system control panel. Then verify on the primary flight display and confirm the first cleared altitude.
HEADINGPRESET, AS REQUIRED
Preset the heading if the air traffic control require a radar vector departure. However, please note that the RWY TRK mode maintains the aircraft on the runway heading until the heading mode engage.
FLIGHT DIRECTORCHECK SELECTED ON
PRIMARY FLIGHT DISPLAY / NAVIGATION DISPLAY
Multi Funciton Display
Takeoff briefing
TAKEOFF BRIEFINGCONFIRM
This briefing is the same as the briefing at the gate. However, new clearance and new conditions need to be added if necessary.



<u>Autobrake</u>

RTOARM
When selecting the RTO autobrake mode, the RTO ARM light illuminates, the BRK RTO message appears on the flight mode annunciator. The RTO autobrake mode is a braking system in case of a rejected takeoff. If the speed is above 72 knots, the RTO brake will apply maximum braking if the engine thrust levers are set to idle. Below that speed, it won't activate.
Air Traffic Control
ATC CODECONFIRM/SET
<u>Final verification</u>
TO CONFIG
T.O MEMO
CABIN
Before takeoff checklist down to the line
BEFORE TAKEOFF CHECKLIST down to the line

BEFORE TAKEOFF



Before Takeoff

Takeoff or line-up clearance
TAKEOFF OR LINE UP CLEARANCEOBTAIN
<u>Cabin crew</u>
CABIN CREW
<u>Packs</u>
PACKS 1 and 2
Exterior lights
EXTERIOR LIGHTS
<u>ETACS</u>
 If the ETACS was used during the taxi: TAXIOFF
The taxi button is situated on the electronic flight instrument system control panel.
Electronic Flight Instrument System Control Panel
NAVIGATION DISPLAY RANGEAS REQUIRED
We recommend setting the minimum range to the first waypoint after departure.
ELECTRONIC FLIGHT INSTRUMENT SYSTEM CONTROL PANEL OPTIONS
TRAFON
Before entering the runway
APPROACH PATHCHECK CLEAR OF TRAFFIC
STROBEON We recommend to set the strobe light to <i>ON</i> when crossing or entering a runway.
TAKEOFF RUNWAYCONFIRM
Confirm the correct runway by observing runway markings, runway lights, an ILS signal, and the runway symbol on the navigation display.



Sliding table

SLIDING TABLE	STOWED
<u>TCAS</u>	
TA We recommend the use of TA/RA for normal situations. If it is inappropriate, such as conve the use of TA ONLY mode is recommended.	-
Before takeoff checklist below the line	
BEFORE TAKEOFF CHECKLIST below the line	СОМРІЕТЕ

TAKEOFF



Takeoff

Thrust settings

TAKEOFF	ANNOUNC
	25 %
We recommend t	o first apply 25% of thrust. For standing takeoff, apply the brakes. For rolling takeoff, release the brakes.
If the	crosswind is at, or below 23 kt, and there is no tailwind:
	S
THRUS <u>Note:</u>	T LEVERS
- If the	crosswind is above 23 kt, and/or in the case of tailwind:
	S
THRUS	T LEVERS
• At 20 kt	round speed:
THRUS	T LEVERS
CHRONOMETE	RSTAR1
DIRECTIONAL	CONTROL
	HT DISPLAY / NAVIGATION DISPLAYSCAN ode annunciator on the primary flight display the display of the message "MAN FLX" or "MAN TOGA".
	lateral mode isn't displayed until the aircraft lifts off, unless an ILS is tuned with the associated departure way.
	e message "GPS PRIMARY LOST" appears, verify on the navigation display the flight management system position (As exemple, on the runway centerline).
TAKEOFF THRI	STCHECI
Verify the thrust	f each engine. It should reach the thrust rating before reaching 80 knots. It is indicated by a blue dot.
fore reaching	80 knots
THRUST SET	ANNOUNC
	HT DISPLAY and ENGINE indicationsSCAN d and the throttle setting throughout the takeoff. Reject the takeoff if any sign of parameter indicates an n.



At V1 speed

V1	MONITOR or ANNOUNCE
<u>at VR spe</u>	<u>ed</u>
ROTATION	lORDER
ROTATION	JPERFORM
lifting off, fly head up disp recommend	ses the head up display, at VR speed, initiate the rotation to bring the inverted T toward the horizon line. When v as indicated on the velocity vector and follow the SRS using the flight path director. If the pilot does not use the play, the pilot will then rotate toward a pitch attitude of 12,5°, or 10° if an engine is failed. After the liftoff, we to follow the SRS pitch command bar. Please note, if the NAV mode is armed, it will automatically engaged at 30 rmed, the RWY TRK engages automatically at 50 feet.
<u>Vhen pos</u>	<u>itive climb</u>
POSITIVE (CLIMB ANNOUNCE
The pilot mo increased.	onitoring must announce "positive climb" only when the vertical speed value is positive and the radio altitude has
LANDING	GEAR UPORDER
LANDING	GEARUP
	AS REQUIRED end to engage either autopilot 1 or autopilot 2 above 100 feet above ground level.
t the thr	ust reduction altitude
THRUST LI	EVERSCL
<u>Note:</u>	The cruise system display page will replace the engine system display page when the aircraft reaches 1 500 feet, or when reaching the thrust reduction altitude.
bove the	acceleration altitude
- At F s	speed:
<u>Note:</u>	For takeoffs in CONFIG 1+F, F speed does not appear.
FLAPS	ORDER ORDER
EL A DC	SET
FLAPS	
	speed:
– At S s	speed: S ZEROORDER
- At S s	
At S sFLAPS	ZEROORDER
At S sFLAPSFLAPSEXTER	ZERO

AFTER TAKEOFF



The checklist can be found on the document "FBW A380X Checklist".

After Takeoff

<u>Auxiliary Power Unit</u>
 If the auxiliary power unit was used to supply the air conditioning:
AUXILIARY POWER UNIT BLEEDOFF
AUXILIARY POWER UNIT MASTER SWITCH
<u>TCAS</u>
If the takeoff was performed with TA ONLY mode:
TA Mode TA/RA
Anti-Ice protection
ANTI-ICEAS REQUIRED
We recommend setting the engine anti-ice to ON when icing conditions are expected with a total air temperate is at or below 10°C.
Sliding table
SLIDING TABLEAS NECESSARY
After takeoff/climb checklist down to the line
AFTER TAKEOFF/CLIMB CHECKLIST down to the line

CLIMB



Climb

Initial cli	<u>imb</u>	
Cruise Fli	light LevelSE	Γ AS REQUIRED
At the air t	traffic control request or operational conditions, speed change must be done by selecting a new tem control panel and pull the button. The new speed target will then be activated. When pushinged speed profile.	w speed in the auto
<u>Note:</u>	If required the use of the best speed and best rate of climb for long term situation, the spe the green dot speed and the econ speed. When flying at high altitude, an acceleration can	
<u>Note:</u>	The airspeed can be below the green dot at high altitude, depending on the mach speed so by the flight management system.	elected or computed
After take	keoff/climb checklist below the line	
	AKEOFF/CLIMB CHECKLIST below the line	COMPLETE
Anti-Ice p	<u>protection</u>	
We recomr	E pb-swnmend to set to ON the engine anti-ice when the aircraft encounters icing conditions, unless the ure is below -40°C.	· ·
At 10 000	<u>0 feet</u>	
LANDING	G LIGHT	OFF
	LTS SIGNSnmend to keep the seat belts signs to ON until the cruise phase, unless stated otherwise by the	•
Electroni	nic Flight Instrument System OPTIONS	AS REQUIRED
ECAM MI	ЛЕМО	REVIEW
– On p	pilot in command request or approved by the pilot in command:	
	VAIDS pilot can clear the tuned NAVAIDS in the TUNED FOR DISPLAY panel of the POSITION/NAVAIDS	_

OPTIMAL/MAXIMUM ALTITUDE......**CHECK**Pilot should verify the optimal and maximal altitude capability of the aircraft in the flight management system cruise page.



At the transition altitude

When the aircraft reaches the transition altitude, the barometric setting will automatically flash on the primary flight display. We recommend to set STD on the electronic flight instrument system control panel and on the integrated standby instrument system.

CRUISE



Proceed step flight level as planned in the flight plan.

A380X For simulation purposes only

Cruise

<u>Cruising altitude</u>
ALT CRZ on flight mode annunciatorCHECK
Verify that the aircraft is cruising on the cruise flight level inserted on the CRZ panel of the flight management system of the active performance page. This will ensure that the aircraft flies at the targeted cruise speed so fuel consumptions is optimized. This will also benefit to a soft autothrottle mode, as well have more accurate predictions.
<u>Note:</u> The pilot will need to change the cruise altitude on the flight management system active performance page is the selected auto flight system control panel altitude is below the flight management system cruise flight level.
<u>ECAM</u>
ECAM MEMO
SD PAGES
<u>Note:</u> In cruise, due to variation of temperature, the oil quantity can decrease rapidly. This happens particularly at the start of the flight.
We recommend to monitor the bleed system page and the electrical system display page.
Flight progress
FLIGHT PROGRESS
Step flight level

DESCENT PREPARATION



Descent Preparation

Landing information

The STATUS page appears automatically when the QNH is set or when the slats are extended. Take a look at the status page before completing the approach briefing. Take note of any failures or system degradation that can affect the landing capability, the approach or the descent. Verify the "ALERTS IMPACTING LDG PERF" on the STATUS MORE page to verify if any alert has an impact on the landing performance.

Landing performance

In the Onboard Information System, verify the estimated arrival conditions of the selected airport and runway. Then, enter the estimated landing conditions in the CONDITIONS part, and check any items relevent to the aircraft in the AIRCRAFT STATUS part. Finally, launch the computation and compare the result with the airline policy or local regulations.

Flight Management System

Note:

The managed speed profile has as default value of speed limit of 250 knot below 10 000 feet. The pilot can alter this speed limit on the VERT REV page of the flight management system.



Insert the approach information on the APPR panel of the active performance page of the flight management system. Enter the destination QNH, temperature and wind. We do not recommend entering gust values. Then, insert the minimum altitude as applicable. Insert the value to the nearest ten feet. However, please note that any runway change or any arrival type change will reset the minimum altitude. Finally, verify the landing configuration. Select the landing configuration on the APPR panel of the performance page. Depending on the runway length, go-around performance, windshear, severe turbulance, or system failure, the pilot can choose the FLAPS 3 configuration rather than FLAPS FULL.

We recommend the use of the managed speed when the landing configuration and the configuration selected on the APPR panel are exactly the same. If an in-flight failure occurred that affects the landing performance, compute the new value in the landing performance application for the approach speed, then insert the new value in the approach panel of the active performance page of the flight management system.

GA panel of the FMS ACTIVE/PERF page......CHECK

Verify the accuracy of the throttle reduction altitude and the acceleration altitude.

FMS......CROSSCHECK

Onboard Airport Navigation System

The pilot shifts the runway threshold and the runway end as required. The brake to vacate system will locate the dry line and the wet line and select an appropriate runway exit.

Brake To Vacate system

We recommend the use of the BTV autobrake system when the runway is in dry or wet conditions.

CAUTION

We do not recommend the use of the brake to vacate system when the runway is contaminated, an inoperative engine thrust reverser, or any aircraft failure affecting the landing performance.

Navigation Display MODE	PLAN
Navigation Display RANGE	ZOOM
RUNWAY	
RUNWAY EXIT	SELECT

We recommend to select the exit in accordance with the runway conditions. It is recommended to select an exit after the wet line to anticipate any changes of runway condition, as well as a smoother deceleration for passenger comfort. We also recommend to take into account arrival gate, the ground circulation, the runway exit configuration, and the predicted turn around time, which is displayed on the navigation display.



Autobrake

pilot selects the BTV system, set the BTV mode before removing the onboard airport navigation display from the navigation display. We recommend on contaminated runway to use the autobrake mode 3. We recommend the use of the HI mode if the BTV mode is not available or on short runway conditions

• If the pilot selected BTV:

OANS RUNWAY LENGTH VERSUS CHARTS RUNWAY LENGHT.......CROSSCHECK

In order to verify the onboard airport navigation display, verify the runway length corresponds to the active charts. The difference of length between the onboard airport navigation must not be more than 115 feet.

Landing briefing

LANDING BRIEFING.....PERFORM

The landing briefing has the objective of prepare the planned approach. We recommend using the flight management system pages as guide to the descent and approach.

Descent clearance

DESCENT CLEARANCE......OBTAIN

CLEARED ALTITUDE ON AUTO FLIGHT SYSTEM CONTROL PANEL......SET

We recommend setting the cleared altitude on the auto flight system control panel if above the safe altitude. If the safe altitude is higher than the cleared altitude, please refer to the air traffic control. Meanwhile, set the safe altitude on the auto flight system control panel.

Anti-Ice protection

ANTI-ICE.......AS REQUIRED

We recommend setting the engine anti-ice to **ON** when expecting icing conditions. However, please note that during descent, if the engines are at idle, the anti-ice will reduce the descent path angle.

DESCENT



Descent

Descent initiation

DESCENT......INITIATE We recommend to initate the descent by engaging the DES mode at the top of descent (T/D shown on the navigation display or the active flight plan page of the flight management system) calculated by the flight management system. The top of descent is calculated so that the aircraft reaches VAPP at 1 000 feet above ground level. Note: The top of descent is not displayed when the heading mode or track mode is engaged. When the aircraft reaches the top of descent ALTITUDE......PUSH If the ATC requires an early descent We recommend the use of the DES mode. This will lead to a lower vertical speed. This will ensure that the aircraft will converge with the planned descent path. If the ATC delays the descent We recommend to engage the DES mode with managed speed active when cleared Beyond the T/D, the by the air traffic control. **Descent monitoring** DESCENT......MONITOR **Descent adjustment** RATE of DESCENT......ADJUST, AS REQUIRED If there is need to increase rate of descent, we recommend to increase the selected speed if the air traffic control authorizes. We also recommend to maintain a high speed as long as possible, if the air traffic control authorize. This ensures a more fuel efficient descent. We do not recommend the use of speed brakes. We also do not recommend to combine descent and deceleration. SPEED BRAKES......AS REQUIRED We recommend to use the speed brakes to increase the rate of descent in the OP DES mode. However, we do not recommend the use of speedbrakes in DES mode. The autothrottle will engage higher thrust to compensate the increased drag. At 20 000 feet Cabin Crew......ADVISE Note: We recommend the captain to use the seat belt sign selector to sound 3 chimes (by selecting auto than on) and

then make a passenger announcement "Cabin crew, prepare for landing".



Terrain Avoidance Warning System and Weather Radar

TERRAIN RADARAS REQUIRED
The terrain pushbutton is situated on the electronic flight instrument system control panel.
WEATHER RADAR
<u>At 10 000 feet</u>
LANDING LIGHTS
SEAT BELTS SIGNON
The pilots must follow airline policy or regulatory recommendations. We recommend to set the seat belt sign to ON at the beginning of the descent.
CSTR
We recommend pressing the landing system pushbutton when an ILS/GLS, ILS G/S out, LOC only, LOC B/C, or Non-Precision approach with flight management system landing system approach is planned. When pushing the landing system push button, the primary flight display will show landing system data according to the selected approach on the flight management system arrival page.
• For Non-Precision Approach flown with the Flight management system landing system function:
FLS CAPABILITYCHECK
Verify that the flight management system landing system capability by ensuring that the "NO FLS FOR THIS APPR" does not appear on the flight management system message area. The FLS can be unavailable if the required conditions are not met.
FLS DATACHECK
NAVAIDSAS REQUIRED/CHECK
Holding
HOLDING PATTERNAS REQUIRED With air traffic control authorization, the pilots can insert a holding pattern in the flight management system.
Approach checklist
APPROACH CHECKLISTCOMPLETE
The checklist can be found in the document "FBW A380X Checklist".

PRECISION APPROACH



Initial Approach

Initial approach

APPROACH PHASE
POSITIONING
MANAGED SPEED
SPEED BRAKES

Navigation accuracy

• If GPS PRIMARY LOST:



Intermediate and Final Approach

APPR mode activation

Note:

PRIM pin program.

APPR r	nodePRE
traffic c approac	nmmend to press the APPR mode pushbutton situated on the auto flight system control panel when the air ontrol clears the approach to the aircraft. This will provide the LOC and Glideslope of the selected ILS in (as selected on the flight management system). However, the LOC and glideslppe mode will engage mately 3 seconds after the APPR mode activation.
<u>Note :</u>	The multifunction display and the primary flight display will display "CHECK APPR SEL" if the pilot selected a non-precision approach in the active flight plan, and if the pilot manually inserted an ILS frequency on the POSITION/NAVAIDS page.
OC capture o	<u>lomain</u>
Please note, the L	OC capture point represent the point of the projected LOC centerline.
AUTOPILOT 1+	2 0
We recommend to	o engage both autopilot when the APPR mode is engaged.
FMA	CHEC
The pilot can verij	y on the flight mode annunciator the approach capability (CAT2, CAT3 SINGLE, CAT3 DUAL, or AUTO LAND $$
for the selected at	
,	pproach.
	green dot speed
pproaching	green dot speed
pproaching FLAPS 1	green dot speed ORDE
pproaching FLAPS 1 FLAPS 1 We recommend s decelerating towa	green dot speed
pproaching FLAPS 1 FLAPS 1 We recommend s decelerating towo extend the landing	green dot speed ORDE Setting the flaps before being within 3 nautical mile from the final approach fix (FAF). Verify the aircraft is ard the S speed. If the aircraft is above the glideslope, or the aircraft does not decelerate, we recommend to g gear. We do not recommend the speed brakes due to limited effect at low speed.
pproaching FLAPS 1 FLAPS 1 We recommend so decelerating towo extend the landing TCAS MODE We recommend to	green dot speed ORDE Setting the flaps before being within 3 nautical mile from the final approach fix (FAF). Verify the aircraft is ard the S speed. If the aircraft is above the glideslope, or the aircraft does not decelerate, we recommend to
pproaching FLAPS 1 FLAPS 1 We recommend so decelerating towo extend the landing TCAS MODE We recommend to	green dot speed ORDE Setting the flaps before being within 3 nautical mile from the final approach fix (FAF). Verify the aircraft is ard the S speed. If the aircraft is above the glideslope, or the aircraft does not decelerate, we recommend to g gear. We do not recommend the speed brakes due to limited effect at low speed. TA ONLY or TA/Fine use of TA/RA for normal situations. If it is inappropriate, such as converging runways or parallel runways.
pproaching FLAPS 1 FLAPS 1 We recommend so decelerating towe extend the landing TCAS MODE We recommend to the use of TA ONL LOC CAPTURE. We recommend to within the LOC second	green dot speed ORDE Sizetting the flaps before being within 3 nautical mile from the final approach fix (FAF). Verify the aircraft is and the S speed. If the aircraft is above the glideslope, or the aircraft does not decelerate, we recommend to grear. We do not recommend the speed brakes due to limited effect at low speed. TA ONLY or TA/Fine use of TA/RA for normal situations. If it is inappropriate, such as converging runways or parallel runways mode is recommended.
FLAPS 1	green dot speed ORD Setting the flaps before being within 3 nautical mile from the final approach fix (FAF). Verify the aircraft is and the S speed. If the aircraft is above the glideslope, or the aircraft does not decelerate, we recommend to grear. We do not recommend the speed brakes due to limited effect at low speed. TA ONLY or TA/I are use of TA/RA for normal situations. If it is inappropriate, such as converging runways or parallel runway mode is recommended. MONITO TO pay close attention to the LOC beam capture. Verify that during the capture phase, the LOC deviation is ale. The deviation should be displayed on the primary flight display and on the navigation display. If the G

Please note that the glideslope can capture independently from the LOC beam capture. This depends on the



Arm the ground spoilers by pulling the spoilers lever.

Set the appropriate exterior lights, as required in the local regulations.

A380X For simulation purposes only

If above the glideslope: V/S MODE......AS REQUIRED We recommend to not exceed 2 000 feet per minute. AUTO FLIGHT SYSTEM CONTROL PANEL ALTITUDE......SET ABOVE AIRCRAFT ALTITUDE We recommend to select an altitude above the aircraft altitude to prevent any altitude engagement. When G/S Capture (G/S*): GO-AROUND ALTITUDE.......SET We recommend setting the go-around altitude to prevent an undesired level off. Note: Verify that when the aircraft intercept the ILS above the validity range, the CAT 1 appears on the flight mode annunciator. Below VFE Next, at 2 500 feet above ground level minimum FLAPS 2.....ORDER FLAPS 2......SET Verify that the aircraft is decelerating toward the F speed. If the aircraft interception of the ILS/GLS glideslope is below 2 000 feet above ground level, we recommend setting the flaps 2 at one dot below the glideslope. If the aircraft is above the glideslope, or the aircraft does not decelerate, we recommend to extend the landing gear. We do not recommend the speed brakes due to limited effect at low speed. After FLAPS 2 selection, at 2 000 feet above ground level minimum LANDING GEAR DOWN......ORDER LANDING GEAR.......DOWN Set the landing gear lever to the **DOWN** position. AUTO BRAKE......CONFIRM We recommend to be prepared for changing runway conditions. Change the autobrake mode if required. We recommend to land on the runway indicated on the BTV settings if using the brake to vacate system. If the Note: aircraft lands on a different runway, the autobrake will change automatically to HI in short final.

GROUND SPOILERS......ARM

EXTERIOR LIGHTS......SET



After landing gear down down

• Below VFE NEXT:	
FLAPS 3ORDER	í
FLAPS 3 SE T	ſ
WHEEL SYSTEM DISPLAY PAGE	,
Below VFE NEXT :	
FLAPS FULLORDEF	ť
FLAPS FULLSET	
Set the flaps to the full position. Verify that the aircraft is decelerating towards the approach speed.	
AUTOTHROTTLECHECK IN SPEED MODE or OFI	=
When available, and for GLS CAT I landing with autoland function, and if the autothrottle is availabe, engage the autothrottle	
SLIDING TABLESTOWED	ı
LANDING MEMO NO BLUE LINE	:
Verify on the Engine Warning Display the absence of blue lines.	
CABIN READY	,
Verify the cabin is ready by either observing the appearance of the ECAM message "CABIN READY" on the Engine Warning Display, or by obtaining a confirmation from the chief flight attendant "Cabin ready for landing".	
LANDING CHECKLISTCOMPLETI	Ξ
The checklist can be found in the document "FBW A380X Checklist".	
FLIGHT PARAMETERSCHECK	Ĺ
The pilot in command should announce all modifications made to the flight mode annunciator, as the pilot monitoring announces any deviation of the flight parameter.	
• At 500 ft AGL (or RA) and below and if the flight crew selected BTV autobrake mode: The pilot monitoring should adjust the navigation display range selector to display the onboard airport navigation system. This will show the dry and wet lines.	
• At 350 ft AGL (or RA):	
LAND ON FLIGHT MODE ANNUNCIATORANNOUNCI	Ξ
ILS(GLS) COURSECHECK	,
Verify the ILS or GLS course on the primary flight display.	



At minimum + 100 feet

means a difference of 7 feet below the glideslope. We recommend to not duck under the glideslope.

NON PRECISION APPROACH



Initial Approach

APPROACH PHASECH	HECK/ACTIVATE
The approach phase will activate automatically if the aircraft fly over the DECEL pseudo waypoint in navigation However, if the aircraft is in HDG or TRACK mode, the pilots will need to activate and confirm the approach active performance page on the flight management system 15 nautical miles before landing.	
POSITIONING	active performance or track mode, we
MANAGED SPEED Verify the active managed speed and watch the targeted speed closely.	CHECK
<u>Note:</u> The aircraft will decelerate automatically at the DECEL pseudo waypoint when on these mod is active, and either NAV or LOC mode is engaged.	les: managed speed
SPEED BRAKES We recommend the use of speed brakes if the aircraft is unable to reduce its speed on idle engine thrust.	AS REQUIRED
REQUIRED NAVIGATION PERFORMANCE on the FLIGHT MANAGEMENT SYSTEM	•
FLIGHT MANAGEMENT SYSTEM LANDING SYSTEM CAPABILITY Verify the flight management system landing system capability by selecting the approach. If the MultiFunc message "NO FLS FOR THIS APPR", the system can't perform the approach. If it isn't appropriate, prepare tapproach strategy.	tion Display
NAVIGATION DISPLAY MODEAF Select at the pilot's discretion for each navigation display.	RC or ROSE NAV
VOR(ADF) NEEDLES (VOR pb (ADF pb))	AS REQUIRED



Intermediate and Final Approach

Approach phase activation.
APPR BUTTON ON THE AUTO FLIGHT SYSTEM CONTROL PANEL
FLYING REFERENCE
AUTOPILOT ENGAGEMENT
FLIGHT MANAGEMENT SYSTEM LANDING SYSTEM CAPABILITY
Approaching Green dot speed
FLAPS 1ORDEF
FLAPS 1
TCAS MODETA ONLY or TA/RA
We recommend the use of TA/RA for normal situations. If it is inappropriate, such as converging runways or parallel runways, the use of TA ONLY mode is recommended.
F-LOC, LOC, OR LOC B/C CAPTURE
F-G/S CAPTUREMONITOF
If above the flight glideslope beam :
FLIGHT PATH ANGLE MODE
We recommend to not exceed 2 000 feet per minute.
AUTO FLIGHT SYSTEM CONTROL PANEL ALTITUDESET ABOVE AIRCRAFT ALTITUDE
M/a management the analystic most amplifitude along the approach altitude to management ALT are also are are are

We recommend the selection of an altitude above the current altitude to prevem ALT mode engagement.



Below VFE next, at 2 500 feet above ground level minimum

	2ORD
Before se	2
After Fla	aps 2 selection, at 2 000 feet above ground level minimum
LANDIN	NG GEAR DOWNORD
	NG GEARDON anding gear lever to the DOWN position.
AUTO B	BRAKECONFI
We recon	mmend to be prepared for changing runway conditions. Change the autobrake mode if required.
<u>Note:</u>	We recommend to land on the runway indicated on the BTV settings if use of BTV. If the aircraft lands on a different runway, the autobrake will change automatically to HI in short final.
GROUN	ND SPOILERSA
Arm the g	ground spoilers by pulling the spoilers lever.
EXTERIO	OR LIGHTS
	nding gear down selection Below VFE Next: FLAPS 3ORD
	FLAPS 3
	WHEEL SYSTEM DISPLAY PAGE
•	Below VFE Next:
	FLAPS FULLORI
	FLAPS FULL
	Set the flaps to the full position. Verify that the aircraft is decelerating towards the approach speed.
AUTOTI	THROTTLECHECK IN SPEED MODE or (
For a gro	ound based augmentation system landing system CAT I with autoland functionality, verify if the use of autothrottle e. We recommend to use the autothrottle for this case.
SLIDING	G TABLE STOW



	NG MEMO	NO BLUE LIN
Verify on	n the Engine Warning Display the absence of blue lines.	
CABIN		READ
	he cabin is ready by either observing the appearance of the ECAM message "CABIN R or by obtaining a confirmation from the chief flight attendant "Cabin ready for land	
LANDIN	NG CHECKLIST	COMPLET
The chec	cklist can be found in the document "FBW A380X Checklist".	
•	At final approach fix:	
	F-G /S MODE	CHECK ENGAGE
	Verify the aircraft is heading toward the final approach fix associated waypoint. Vealtitude restrictions on a valid published approach chart.	
FLIGHT	PARAMETERS	CHEC
•	t in command should announce all modifications made to the flight mode annunciato ces any deviation of the flight parameter.	or, as the pilot monitoring
This will	ill show the dry and wet lines.	
: mini	Il show the dry and wet lines. Imum + 100 feet UNDRED ABOVE	ANNOUNC
: mini ONE HU	<u>mum + 100 feet</u>	ANNOUNC
mini ONE HU	i <mark>mum + 100 feet</mark> UNDRED ABOVE	
mini) ONE HU mini) MINIM	Imum + 100 feet UNDRED ABOVE Imum altitude	
mini) ONE HU mini) MINIM	Imum + 100 feet UNDRED ABOVE Imum altitude IUM If the flight crew obtains appropriate visual references :	ANNOUNC
mini ONE HU mini MINIM	Imum + 100 feet UNDRED ABOVE Imum altitude	ANNOUNC
mini ONE HU mini MINIM	Imum + 100 feet UNDRED ABOVE Imum altitude IUM If the flight crew obtains appropriate visual references: LANDING or GO-AROUND The pilots must take the decision to either land or perform a go-around. The pilots runway.	ANNOUNCANNOUNCANNOUNC must be able see the landing
mini ONE HU mini MINIM	Imum + 100 feet UNDRED ABOVE Imum altitude IUM If the flight crew obtains appropriate visual references: LANDING or GO-AROUND The pilots must take the decision to either land or perform a go-around. The pilots	ANNOUNCANNOUNC must be able see the landingOF
mini) ONE HU mini) MINIM	Imum + 100 feet UNDRED ABOVE Imum altitude IUM If the flight crew obtains appropriate visual references: LANDING or GO-AROUND The pilots must take the decision to either land or perform a go-around. The pilots runway. AUTOPILOT If the autopilot is still engaged at the minimum descent altitude or heigh minus 50	ANNOUNCANNOUNC must be able see the landingOF feet, the flight mode annunciate
: mini) ONE HU : mini) MINIM	Imum + 100 feet UNDRED ABOVE Imum altitude UM If the flight crew obtains appropriate visual references: LANDING or GO-AROUND The pilots must take the decision to either land or perform a go-around. The pilots runway. AUTOPILOT If the autopilot is still engaged at the minimum descent altitude or heigh minus 50 will display the "DISCONNECT AP FOR LDG"	ANNOUNCANNOUNC must be able see the landingOF feet, the flight mode annunciate
mini) ONE HU mini) MINIM	Imum + 100 feet UNDRED ABOVE Imum altitude IUM If the flight crew obtains appropriate visual references: LANDING or GO-AROUND The pilots must take the decision to either land or perform a go-around. The pilots runway. AUTOPILOT If the autopilot is still engaged at the minimum descent altitude or heigh minus 50 will display the "DISCONNECT AP FOR LDG" FLIGHT DIRECTOR OFF	ANNOUNCANNOUNC must be able see the landingOF feet, the flight mode annunciateORDE
mini) ONE HU mini) MINIM	Imum + 100 feet UNDRED ABOVE Imum altitude IUM If the flight crew obtains appropriate visual references: LANDING or GO-AROUND The pilots must take the decision to either land or perform a go-around. The pilots runway. AUTOPILOT If the autopilot is still engaged at the minimum descent altitude or heigh minus 50 will display the "DISCONNECT AP FOR LDG" FLIGHT DIRECTOR OFF The pilot in command order to the pilot monitoring to turn OFF the flight director.	ANNOUNCANNOUNC must be able see the landingOF feet, the flight mode annunciateORDE
: mini) ONE HU : mini) MINIM	Imum + 100 feet UNDRED ABOVE Imum altitude IUM If the flight crew obtains appropriate visual references: LANDING or GO-AROUND The pilots must take the decision to either land or perform a go-around. The pilots runway. AUTOPILOT If the autopilot is still engaged at the minimum descent altitude or heigh minus 50 will display the "DISCONNECT AP FOR LDG" FLIGHT DIRECTOR OFF The pilot in command order to the pilot monitoring to turn OFF the flight director. FLIGHT DIRECTOR	ANNOUNC must be able see the landingOF feet, the flight mode annunciateORDE
mini) ONE HU mini) MINIM	Imum + 100 feet UNDRED ABOVE	ANNOUNC must be able see the landing OF feet, the flight mode annunciate ORDE
: mini) ONE HU : mini) MINIM	Imum + 100 feet UNDRED ABOVE	ANNOUNC must be able see the landingOI feet, the flight mode annunciatORDEOI CHECK/ORDE



	LANDING SYSTEM
	LANDING SYSTEM
•	If the flight crew obtains appropriate visual references : GO-AROUNDANNOUNCE

VISUAL APPROACH



Approach

Initial / Intermediate Approach

The pilot must use external visual references for this type of approach.

At the beginning of the downwind leg APPROACH PHASE	ACTIVATE
The pilot can activate the approach phase on the APPR panel of the active perf page.	
FLIGHT DIRECTOR OFF The pilot in command orders to the pilot monitoring to turn OFF the flight director.	ORDER
FLIGHT DIRECTOR The pilot monitoring turn OFF the flight director.	OFF
FLYING REFERENCE	TRK-FPA
AUTOTHROTTLE ACTIVE The pilot can verify the autothrottle is active by looking on the flight mode annunciator.	CHECK

On the downwind leg

When on the threshold, the pilot must extend the downwind leg by 45 seconds, including wind correction. The pilot can turn into the base leg. He must ensure the aircraft doesn't bank more than 30°. We recommend to follow the flight path angle.

•	Below Vfe Next
	FLAPS 2ORDER
	The pilot in command order to the pilot monitoring to set the flaps to the second step.
	FLAPS 2SET
	The pilot monitoring set the flaps levers to the second step, and verify the aircraft deceleration toward the F speed.

Final Approach

- When using manual thrust, the pilot can use the speed trend arrow and flight path vector to help coordinating thrust settings. We recommend to avoid performing a descent with idle thrust. This may lead to a speed decay and altitude loss.
- The aircraft must be stabilized by 500 ft above ground level. If not, a go-around procedure must be initiated.
- We recommend to avoid performing big corrections in the last 100 ft above ground level in order to have a smooth landing.

LANDING



For manual landing

A380X For simulation purposes only

Landing

AUTOPILOT We recommend disengaging the autopilot in whatever type of approached engaged.	
At around 80 ft above ground level AUTOPILOT	DISENGAGE
At around 40 feet radio altimeter When performing a stabilized approach, the normal flare height is FLARE	-
ATTITUDE The pilot monitoring monitor the pitch and banking. If excessive a	
THRUST LEVERS	
We recommend to move the thrust levers at idle when the main la	
Note: The ground spoilers won't extend if two or more the	
Verify the flare mode is active on the flight mode an	CHECK FLARE
Monitor the behaviour of the flare. If any unexpecte	
At approximately 30 feet radar altimeter FLIGHT MODE ANNUNCIATOR Verify the autothrottle decreases the thrust to the identification.	CHECK THROTTLE IDLE
At 10 feet radar altimeter	
There should have an automatic "RETARD" callout t	riggered.
THRUST LEVERS The autothrottle disconnects.	IDLE
LATERAL GUIDANCE The pilots must monitor the lateral guidance using e	
At touchdown	
FLIGHT MODE ANNUNCIATOR	CHECK ROLL OUT
If AUTO ROLL OUT: AUTOPILOT	KEEP ENGAGED, UNTIL END OF ROLL OUT



Derotation

	s the main landing gear touches down:
DEROTATIO	DNINITIATE
Landing Roll	
We recommend to reversers are limite	RS
Verify the slats/fla the event of no dep	ERS EXTENDED
REVERSERS	e flight crew didn't arm the spoilers, the spoilers will automatically deploy at thrust reverser activation. CHECK/ANNOUNCE reversers on the Engine Warning Display. It should display the reverser deployment.
DIRECTIONAL C We do not recomm If autobra AUTO BRAK	ONTROL
<u>Note:</u> The	flight mode annunciator the autobrake mode (BTV, BRK LO, BRK 2, BRK 3, or BRK HI). autobrake doesn't activate if the ground spoilers aren't extended.
DECELERAT	ION
	OLLOUT, before 20 knots: DISCONNECT
At 80 Knots	
	ANNOUNCE at the primary flight display.
	RSIDLE
CAUTION	We recommend avoiding high reverse thrust at low speed, unless the "KEEP MAX REVERSE" sounds, or in an emergency situation



For CAT II & CAT III Operations with BTV

•	When 1 000 ft remains to the end of the runway, and the aircraft ground speed is higher than 10
	knots:

BTV AUTOBRAKE MODE.......OVERRIDE
MANUAL BRAKING......APPLY AS REQUIRED

At taxi speed

CAUTION

We recommend to avoid the use of reverse thrust on taxiways, unless in an emergency situation.

AUTO BRAKE......DISARM

The autobrake can be disarmed at the pilot's discretion. It is recommended to use one of the autothrottle instinctive disconnect pushbuttons to disarm the autobrake. If BTV mode was used, the autobrake will disarm automatically at 10 knots.

GO-AROUND



Go-Around

Go-around initialization

THRUST	ST LEVERS	TOGA
	thrust levers to the TOGA detent. You can then delay the reduction of thrust later if required. To on of the Go-Around phase with the corresponding autopilot and flight director modes.	This ensures the
<u>Notes:</u> in	If the go-around phase isn't properly engaged, the FMS will continue the sequence to the the flight plan, instead of engaging in the go-around procedure.	ne destination waypoint
	he go-around phase engages, the approach used for this landing will be set back in the flight p procedure.	plan at the end of the go-
Perform o	FION	
	ROUNDec to the pilots the go-around decision. Verify all crew member's comprehension.	ANNOUNCE
	the flaps levers one step.	ETRACT ONE STEP
	Γ MODE ANNUNCIATOR C I lots requires not to follow the flight plan go-around procedure, we recommend the use of HDC	•
The pilot	VE CLIMB It monitoring must monitor the pitch attitude. If the pitch attitude value is higher than 20°, or Iring must announces " PITCH ". If the aircraft doesn't climb, the pilot monitoring. should annou	below 10°, the pilot
	NG GEAR UPt in command order to the pilot monitoring: "Gear Up".	ORDER
	NG GEAR It monitoring retract the gear and announces "UP" when all red lights are displayed.	UP
	r HDGt can select the navigation or heading mode.	AS REQUIRED
At go-Ar	round thrust reduction altitude	
	ST LEVERS Is set the thrust levers to climb when the message LVR CLB is flashing on the flight mode annun	_
	J	



At go-Around acceleration altitude

 If the targeted speed does not increase to the initial climb speed:
AUTO FLIGHT SYSTEM CONTROL PANEL ALTITUDE
ALTITUDEPRESS
Verify the altitude parameters, then press the knob.
FLAPSORDER RETRACTION ON SCHEDULE
At F Speed, order flaps 1. At S speed, order flaps 0.
FLAPSRETRACT ON SCHEDULE
At F speed, retract to flaps 1. At S speed, retract to flaps 0.
GROUND SPOILERS
Push the ground spoilers lever down to disarm the ground spoilers.
EXTERIOR LIGHTSSET Set the appropriate exterior lights.
AFTER TAKEOFF/CLIMB CHECKLIST down to the line
- If the transition altitude is reached:
BAROMETRIC REFERENCESET STANDARD/CROSSCHECK
Set the standard barometric reference, then verify the parameters on all altimeters. The altitude should be the same.
AFTER TAKEOFF/CLIMB CHECKLIST below the line
AFTER TAKEOFF/CLIMB CHECKLIST below the line
The checklist can be found in the document "FBW A380X Checklist". - Preparation for second approach:
The checklist can be found in the document "FBW A380X Checklist".
The checklist can be found in the document "FBW A380X Checklist". - Preparation for second approach: APPROACH PHASE
The checklist can be found in the document "FBW A380X Checklist". — Preparation for second approach: APPROACH PHASE
The checklist can be found in the document "FBW A380X Checklist". - Preparation for second approach: APPROACH PHASE
The checklist can be found in the document "FBW A380X Checklist". - Preparation for second approach: APPROACH PHASE
The checklist can be found in the document "FBW A380X Checklist". Preparation for second approach: APPROACH PHASE
The checklist can be found in the document "FBW A380X Checklist". Preparation for second approach: APPROACH PHASE
The checklist can be found in the document "FBW A380X Checklist". Preparation for second approach: APPROACH PHASE

AFTER LANDING



After Landing

Ground spoilers	
GROUND SPOILERS	ISARM
<u>Flaps</u>	
FLAPSRE	TRACT
Auxiliary Power Unit	
AUXILIARY POWER UNIT MASTER SWITCH The APU START Sequence can be delayed until the engine shutdown sequence, however we recommend to perform to sequence as early as possible. • Auxiliary Power Unit Starting sequence AUXILIARY POWER UNIT START Verify on the APU SD page the FLAP OPEN message is displayed.	he
Engine start	
ENGINE START SELECTOR	NORM
<u>Anti-Ice</u>	
ANTI-ICE	JIRED
<u>Exterior lights</u>	
LANDING LIGHTS Turn OFF the landing lights if they aren't necessary.	OFF
STROBE The pilot can switch the strobe light to AUTO when leaving the runway.	AUTO
OTHER EXTERIOR LIGHTS	JIRED
NOSE	TAXI
RUNWAY TURN OFF LIGHTS & CAMERA	UIRED



Airport navigation

NAVIGATION DISPLAY RANGE Turn the navigation display range selector to zoom at the pilot's discretion.	ZOOM, AS APPROPRIATE
Electronic Flight Information System Control Panel	
TAXI The ETACS displays on the PFD when the TAXI pushbutton is set to the ON position.	AS REQUIRED
WEATHER RADAR The weather radar should automatically switch OFF 60 seconds after the landing.	CHECK OFF
Brake temperature	
BRAKE TEMPERATURE You can monitor the brake temperature on the WHEEL SD page. Verify the temperature temperature (higher than 500°C).	
After landing checklist	
AFTER LANDING CHECKLIST The checklist can be found in the document "FBW A380X Checklist"	COMPLETE

PARKING



Parking

Anti-Ice s	<u>ystem</u>
ANTI-ICE	OFF
Turn the an	ti-ice OFF on the overhead panel.
Auxiliary	Power Unit bleed
We recomm	Y POWER UNIT BLEEDON nend setting the APU bleed to ON before shutting the engine off in order to prevent the engine exhaust fumes in the air conditioning system.
Parking b	<u>orake</u>
We recomm	BRAKEON nend to avoid the application of the parking brake if the temperature of one brake is above 500° C, as indicated on ressure indicator.
Engine ma	asters 1,2,3, and 4
ENGINE M	AASTERS SWITCHES 1, 2, 3, AND 4 OFF
<u>Note:</u>	We recommend to operate the engine at idle for 3 minutes before shutting down the engine when high thrust operations were required (such as the use of the maximum reverse thrust at landing). This cooldown time will ensure the thermal stability of the hot section of the engine.
<u>Note:</u>	In the case that the APU isn't available, we recommend the connection of the external power before the engine shutdown sequence.
When turnii	ng the engine master switches OFF , verify that the engine parameters decrease.
<u>Clock</u>	
	TIME (If applicable)STOP ock and note the elapsed time at the appropriate documentation.
Seat belts	<u>s sign</u>
	OFF at belts signs situated on the overhead panel to the OFF position.
<u>Slides</u>	
	SARMEDCHECK lides on the DOOR/OXY SD page. If any slides are armed, please advise the flight crew.



Exterior lights

Notes:

BEACON	OFF
When all the engines have spooled down, turn OFF the beacon light.	
OTHER EXTERIOR LIGHTS	AS REQUIRED
Turn the exterior lights ON or OFF as required.	
Ground contact	
GROUND CONTACT	ESTABLISHED
Verify with the ground crew that the chocks are in place.	
<u>Fuel pumps</u>	
FUEL PUMPS	OFF
Turn the fuel pumps OFF on the overhead panel. A white "OFF" Light will appear on the buttons.	
Head up display	
HEAD UP DISPLAY	STOW
Retract the head up display to the upper position.	
Fuel quantity	
FUEL QUANTITY	CHECK
Verify the amount of fuel left on board is consistent with the predicted fuel remaining.	
Parking checklist	
PARKING CHECKLIST	COMPLETE
The checklist can be found in the document "FBW A380X Checklist"	
Parking brake	
PARKING BRAKE	AS REQUIRED
The pilots should monitor the ECAM displays in case of a BRAKE HOT alert. If that alert appears, make placed, then release the parking brakes.	sure the chocks are

slope is excessive, or when the surface is wet.

You can leave the parking brakes set when the winds, including gust, exceed 30 knots, when the parking ramp



Onboard Information System (OIS) closure

ONBOARD INFORMATION TERMINAL SLIDE	FLIGHT OPERATIONS
ALL APPLICATIONS You can close all the applications running on the laptop.	CLOSE
EXIT SESSION	PERFORM
<u>Logbook</u>	
ONBOARD INFORMATION TERMINAL SIDE In order to access the logbook, set the Onboard Information Terminal Side switch to the NSS A	
FLIGHT CLOSURE Verify the VHF 3 DATA mode is active before closing the electronic flight.	PERFORM

SECURING THE AIRCRAFT



Parking brake
PARKING BRAKEON We recommend to keep the parking brake ON in order to reduce any leaks in the hydraulic system.
Oxygen crew supply
OXYGEN CREW SUPPLY
Air Data Inertial Reference System
ADIRS (1+2+3)
Exterior lights
EXTERIOR LIGHTSOFF Turn all exterior lights to OFF.
Ground services
GROUND SERVICING
Auxiliary Power Unit bleed
AUXILIARY POWER UNIT BLEED
External power
EXTERNAL POWER
<u>Note:</u> To reduce the electrical load, you can turn OFF the FANS and COOLG pushbuttons. We however recommend to turn them ON as soon as possible.
Auxiliary Power Unit
AUXILIARY POWER UNIT MASTER SWITCH



Passenger signs

EMERGENCY EXIT LIGHTS	
We recommend to set the emergency exit light to OFF to preserve battery charge when either only the the electrical network, or nothing supplying the electrical network.	e batteries are supplying
NO SMOKING	OFF
Onboard Information System (OIS)	
ALL LAPTOPS	OFF
We recommend to turn the laptop OFF , by clicking on the SWITCH OFF LAPTOP button on the LOGIN p	page of the software.
<u>Note:</u> The Network Server System (NSS) will automatically shuts down when the aircraft electrons	rical supply is down.
Onboard Information Terminal	OFF
Securing the aircraft checklist	
SECURING THE AIRCRAFT CHECKLIST	COMPLETE
The checklist can be found in the document "FBW A380X Checklist".	
Battery 1, Essential, Battery 2, and Auxiliary Power Unit Battery	
ALL BATT (Battery 1, Essential, Battery 2, APU Battery)	OFF
Cockpit way light	
COCKPIT WAYLIGHT	
If you select the OFF position, the cockpit waylight will turn off after 60 seconds, leaving enough time	to leave the cockpit.