AIRCRAFT AND SIMULATOR SETUP

1.	Time / Weather / A/C Position	As Chosen
	IF FLYING ON IVAO	
	a. A/C Position	Free of other traffic
	b. IVAO Pilot Client	Connect
2.	EFB > Home > Flight Details	Import Simbrief Flight Plan
3.	EFB > Ground Operations	Initiate Boarding
4.	Sidestick, Throttle, Rudders, External Monitor	Connected
5.	MSFS Pop-Out Panel Manager	As Desired, Start Pop-Out
E	LECTRICAL POWER UP	
1.	Battery	On
	C1 & C2 ELEC Hydraulic Pumps	
	Hydraulic Demand Pumps	•
	Wipers	•
	LDG Gear	
	ALTN Flaps	•
	Establish Electrical P	
7.	L & R BUS TIE	AUTO
П	IF EXT PWR AVAIL	
	a. PRIMARY & SECONDARY EXT PWR	ON
П	b. APU	ON
	IF NO EXT PWR AVAIL	
П	c. APU	ON, then START
8.	PARKING BRAKE	SET
П		
0	UTSIDE INSPECTION	
	Tires	
2.	Brake Pins	Check not flush with boundary
	IF MAINTANANCE REQUIRED	
	a. EFB > Ground Operations > Ground Maint	enance Perform

PRELIMINARY PREFLIGHT PROCEDURE

1.	Ele	ectrical Power Up	Completed
2.	ΑГ	DIRU	ON
3.	ΕN	MER LIGHTS	Guard Closed
4.	LC	WER EICAS Display	STAT page
	a.	Hydraulic Quantities	Verify Sufficient (no RF)
	b.	APU Oil QTY	Verify Sufficient (no RF)
	c.	Messages	Only Expected
5.	LC	WER EICAS Display	ENG page
	a.	Oil QTY	Verify Sufficient
	b.	Flight < 6h: >= 17	
	c.	Flight > 6h: >= 20	
6.	UF	PPER EICAS	Only expected messages
7.	O	ygen	Test
8.	PF	REFLIGHT CHECKLIST	Completed

FMC Setup

1	NA	enu > FMC > IDENT Check Information Correct
١.		A/C Type
		Engine Type
		NAV DATA Cycle
0		•
		OS INIT Copy GPS Pos into Inertial Pos
3.		OUTE > Route Request Select desired route
		SET PAYLOAD
		SET FUEL
4.		ELECT RTE Wait for Uplink
		ROUTE UPLINK Load (Takes some time)
		ACTIVATE > EXEC
_		S Actions Set Desired PAX and CARGO
6.		EP ARR Enter Departure and Arrival
		Trans LEGS > PREV PAGE until DISCONTINUITY, Last WP of route
7.	R1	TE RTE COPY
8.	LE	GS Verify DEP, Route, and ARR correct
	a.	SPEED CSTR without ALT CSTR will be missing from procedures
	b.	XYZ180/25 = From Waypoint XYZ on Radial 180 for 25 NM
9.	LE	${\sf EGS}$ > RTE DATA (ND not PLAN mode) WIND DATA LOAD, then EXEC
10	F۱	MC COMM > UPLINK DES FORECAST LOAD
11	PF	ROG Compare shown ground distance to planned distance
12	R1	TE page > NEXT PAGE Compare Uplinked route to flight plan
13	N/	AV RAD Frequencies as desired
14	FL	X Draw visual helpers
	a.	MSA around aerodrome
	b.	Others according to procedures
15	.VN	NAV Check TA
16	IN	IT REF > PERF INIT > PERF INIT DATA ACCEPT
	a.	Uplinks Reserves, Cruise Level, and Cost Index
	b.	Min Fuel Temp
		CRZ CG can be left at 7.5% or set to 30%

COCKPIT PREPARATION

1.	BROADBAND SYSTEM SWITCH	Guarded
	ADIRU Switch	
	THRUST ASYM COMP	
4.	PRIMARY FLIGHT COMPUTERS	. Guarded & OFF light extinguished
5.	BATTERY	ON
6.	IFE/PASS Switches	ON
7.	APU GEN	ON
8.	APU Switch	ON & OFF light extinguished
9.	L & R BUS TIE	AUTO
10	EXT PWR	As Needed
11.	GEN	ALL ON
	a. DRIVE DISC Switches	Guarded & up
12	VOICE RECORDER	ON
13	EMER LIGHTS	Armed & Guarded
14	SERV ITPH	OFF
15	WINDOW HEAT	ON
16	RAM AUR Turbine SW	Guarded
17	HYD ENG PUMPS L & R	ON
	a. Remaining Pumps	OFF
18	NO SMOKING / NO ELECTRONICS	AUTO
	AFTER REFUELING COMPLETE	D
19	SEAT BELTS	ON
20	Flight Deck lights	As Needed
21	LANDING Lights	OFF
22	CARGO FIRE SW	Not Armed
	a. DISC SW	Guarded
23	ENGINE EEC MODE	Norm & Guarded
24	START PANEL	Norm for both engines
	a. AUTOSTART SW	ON
25	FUEL JETTISON NOZZLES	OFF & Guarded
	a. FUEL TO REMAIN	Pushed In
	b. ARM SW	Disarm

COCKPIT PREPARATION - CONTINUED

I Pumps OFF	26. Fu
CROSSFEED OFF	a.
FWD pump feeds APU	b.
TI-ICE AUTO	27. AN
TSIDE Lights	28. Ol
DAYLIGHT	
NAV ON	a.
ND LTS BRT	b.
NIGHT	
NAV & LOGO ON	c.
ND LTSDIM	d.
er EXT lights OFF	29. Ot
JIP COOLING AUTO	30.EC
SPER ON	31.G/
CIRC FANSON	32. RE
deck temp As Desired	33.FL
BIN TEMP 12 o'clock position	34. C
R PACK SW AUTO	35.L 8
M AIR ON	36. TF
ED AIR ISOL VALVES AUTO	37.BL
R ENG BLEEDON	38.L 8
J BLEED AUTO	39. AF
ESS OUTFLOW VALVES AUTO	40. PF
DING ALT SELECTORPushed In	41.LA
H Set Local	42.QN
10 NM	43. NE
Press	44.TF
R / ADF Displayed as needed	
PT Press	46. AF
Both ON	-
ARM Both UP	48. A/
DO NOT YET SET SPD, HDG, ALT	
IK ANGLE SEL AUTO	49.BA

COCKPIT PREPARATION - CONTINUED

50.A/P DISENGAGE Bar	Up
51.ALT SELECTOR	AUTO
52. Display CAP	T DOORS, F/O CAMS (inop)
53. FWD PANEL BRIGHTNESS	all AUTO
54. SOURCE SELECT PANELS	all OFF
55. INBOARD DSPL	MFD
56. HDG REF	NORM
57. STBY Instrument	Set QNH
58.GND PROX	OFF & Guarded
59.ALT GEAR EXT	Guarded
60.GEAR LVR	DN
61.AUTOBRAKE	RTO
62.FMC Selector	AUTO
63. F/O INBOARD DSPL	MFD
64. DSPL CTRL SW	OFF
65. PARKING BREAK	
65. PARKING BREAK	
	DOWN Detent
66. SPEED BRAKE	DOWN Detent
66. SPEED BRAKE	DOWN Detent Middle Position Guarded CUTOFF
66. SPEED BRAKE	DOWN Detent Middle Position Guarded CUTOFF
66. SPEED BRAKE	DOWN Detent Middle Position Guarded CUTOFF Matches FLAP Position OFF & Guarded
66. SPEED BRAKE	DOWN Detent Middle Position Guarded CUTOFF Matches FLAP Position OFF & Guarded
66. SPEED BRAKE	DOWN Detent Middle Position Guarded CUTOFF Matches FLAP Position OFF & Guarded As Required
66. SPEED BRAKE	DOWN Detent Middle Position Guarded CUTOFF Matches FLAP Position OFF & Guarded As Required Turn On
66. SPEED BRAKE	DOWN Detent Middle Position Guarded CUTOFF Matches FLAP Position OFF & Guarded As Required Turn On MIC
66. SPEED BRAKE	DOWN Detent Middle Position Guarded CUTOFF Matches FLAP Position OFF & Guarded Turn On MIC 12 o'clock position Verify DATA active
66. SPEED BRAKE	DOWN Detent Middle Position Guarded CUTOFF Matches FLAP Position OFF & Guarded Turn On MIC 12 o'clock position Verify DATA active Both Pushed In
66. SPEED BRAKE	DOWN Detent Middle Position Guarded CUTOFF Matches FLAP Position OFF & Guarded Turn On MIC 12 o'clock position Verify DATA active Both Pushed In

COCKPIT PREPARATION - CONTINUED

ABV on both sides	77. Transponder
NORM	a. Source Selector
L	b. XPNDR Selector
Set	c. Squawk
STBY	d. XPNDR Mode
Guarded	78. EVAC COMMAND
Pushed In	a. HORN SHUTOFF

TAKEOFF PERFORMANCE CALCULATION

1.	Weather Information	Up To Date
	a. LOWER EICAS > COMM > Flight I	nformation > TWIP Request
2.	ZFW & TO CG	Up To Date
	a. MENU > FS ACTIONS > PAYLOAI)
3.	TO Performance	Calculate
	a. EFB > Performance Tool > Take O	ff
	b. RWY Length	Verify Correct
4.	FMC > THRUST LIM	Set
	a. RTG (Take Off Rating)	Select
	b. Sel Temp	Enter
	c. D-TO N1	. Check close to %N1 from Perf. Calc.
	d. CLB Rating will match N1 (keep de	fault selection)
	e. (CLB 1 = 10% reduction -> for 90%	or more)
5.	PERF	Enter GR WT and ZFW
6.	TAKEOFF	Enter Flaps & TO CG
		rify and Enter (EFB has precendence)
	b. GR WT	Crosscheck
	c. NEXT PAGE	Verify ACCEL HT
7.	CAPT TAKEOFF page, F/O LEGS page	ge

BEFORE START

1.	APU	Verify Running
2.	EXT PWR	Disconnect & Remove
3.	PARKING BRAKE	Verify Set
4.	Chocks	
5.	GND Equipment & Vehicles	Released
6.	Doors	Closed & Armed
7.	MCP	. Enter V2, RWY HDG, INIT CLIMB
	IF ROUTING CAN BE FLOWN COI	MPLETELY VIA FMC
	a. LNAV & VNAV	Activate
8.	GND Crew clear of aircraft	Pressurize Aircraft
	a. R ELEC Demand Pump	AUTO
	ONCE FAULT LIGHT EXTINGUISH	IED
	b. Remaining Demand Pumps	ON
	c. C1 & C2 ELEC Pumps	On
9.	FUEL PUMPS	ON
	a. CENTER PUMPS only if EICAS messa	ige "FUEL in CTR"
10	.TRIM	Set
	.Transponder	
12	BEFORE START CHECKLIST	Completed
13	.Push and Start Clearance	As Required / Obtained
14	.Beacon	ON
	Off-Block Time	

PUSHBACK AND ENGINE START

1.	Pushback	Follow Instructions
2.	LOWER EICAS	ENG page
3.	Engine L & R	Start
	a. ENG START Selector	
	b. FUEL CUTOFF SW	RUN
	0: :0 1: 10 0 1:07:11 0:	

c. Start Completed Once Red EGT Line Disappears

BEFORE TAXI

1.	Α	PU	OFF
2.	Е	NG ANTI-ICE	As Required / ON
3.	FI	aps	то
		ight Controls	
5.	В	EFORE TAXI CHECKLIST	Completed
		AXI Lights	
7.	R	UNWAY TURNOFF Lights	ON
8.	T	axi Clearance	As Required / Obtained
9.	В	rakes	Checked
		AT HOLDING POINT	
10	.S	TROBE Light	ON
11	. W	/XR & TERR	CAP & F/O
12	. Ti	ransponder	TCAS TA/RA
		IF FYLING ON IVAO	
		IVAO Pilot Client TCAS	
	b.	IVAO Pilot Client XPDR Verify	ALT & Squawk Correct
13	.В	EFORE TAKEOFF CHECKLIST	Completed
14	.T	AXI & TURNOFF Lights	OFF
15	. La	anding Lights	ON
		CLEARED FOR TAKEOFF -	-
16	.S	tart Time	Noted
17	.С	hronometer	ON

TAKEOFF

1	N1 55% (extension of EGT gauge)
١.	ONCE ENGINES STABILIZED
2.	TOGAPush
3.	Forward column pressure until 80 kts
4.	·
	Autopilot at 200ft AGL
J.	a. 80 kts
	b. 50 ft LNAV
	c. 400 ft
6	LANDING GEAR (at positive rate of climb)
Δ	FTER TAKEOFF
, ,	
1.	Flaps Up according to speed
2.	ENG & WING Anti-Ice AUTO
3.	AFTER TAKEOFF CHECKLIST Completed
4.	Once TO Thrust Over
C	LIMB
	VNAV page Open
2.	HDG BugSynchronize
	ON PASSING TA
3.	QNH
	AT FL 100
	LANDING, RUNWAY TURNOFF, TAXI Lights OFF
5.	SEATBELT Signs AUTO
6.	3000 ft to Climb
	a. 2000 ft < 2000 ft/min
	b. 1000 ft < 1000 ft/min

CRUISE

2. Fuel Checks (at least every 60 min)	1.	TCASBLW			
a. current time inflight / fuel / fuel used (PROG page) b. compare to nav log c. compare totalizer & calculated at PROG page 2 3. Alternate Airports					
b. compare to nav log c. compare totalizer & calculated at PROG page 2 3. Alternate Airports					
c. compare totalizer & calculated at PROG page 2 3. Alternate Airports					
a. ALTN in FIX page results in special marking 4. STEP Climbs		, ,			
a. ALTN in FIX page results in special marking 4. STEP Climbs	3.				
4. STEP Climbs		·			
b. keep distance of 700 - 1000 ft from MAX FL c. OPT & MAX FL increase by 100 ft every 10-13 min d. step climb based on RCMD FL e. forecasted fuel might be inaccurate f. step climb constrained: e.g. 370S will make fuel pred accurate again 5. Draw time marker on ND a. FIX > ETA-ALT > TimeZ 6. Get time to WP a. PROG > enter WP into DEST 7. Required Time At (RTA) a. PROG > NEXT PAGE > NEXT PAGE > Enter WP > Enter RTA 8. SLOP a. RTE > OFFSET > R1 (not more than 2 miles) 9. DIRECT TO on given course a. ENTER WP as DIRECT > bottom right INTC CRS TO > enter course 10. TOD Monitor a. BEFORE DESCEND 11. RECALL Check for EICAS messages 12. CHKL Check for Notes 13. DEST Weather Check Check 14. QNH Preselect DEST QNH	4.	1 3 1			
c. OPT & MAX FL increase by 100 ft every 10-13 min d. step climb based on RCMD FL e. forecasted fuel might be inaccurate f. step climb constrained: e.g. 370S will make fuel pred accurate again 5. Draw time marker on ND a. FIX > ETA-ALT > TimeZ 6. Get time to WP a. PROG > enter WP into DEST 7. Required Time At (RTA) a. PROG > NEXT PAGE > NEXT PAGE > Enter WP > Enter RTA 8. SLOP a. RTE > OFFSET > R1 (not more than 2 miles) 9. DIRECT TO on given course a. ENTER WP as DIRECT > bottom right INTC CRS TO > enter course 10. TOD		a. VNAV page has step climb altitude and distance			
d. step climb based on RCMD FL e. forecasted fuel might be inaccurate f. step climb constrained: e.g. 370S will make fuel pred accurate again 5. Draw time marker on ND a. FIX > ETA-ALT > TimeZ 6. Get time to WP a. PROG > enter WP into DEST 7. Required Time At (RTA) a. PROG > NEXT PAGE > NEXT PAGE > Enter WP > Enter RTA 8. SLOP a. RTE > OFFSET > R1 (not more than 2 miles) 9. DIRECT TO on given course a. ENTER WP as DIRECT > bottom right INTC CRS TO > enter course 10. TOD		b. keep distance of 700 - 1000 ft from MAX FL			
e. forecasted fuel might be inaccurate f. step climb constrained: e.g. 370S will make fuel pred accurate again 5. Draw time marker on ND a. FIX > ETA-ALT > TimeZ 6. Get time to WP a. PROG > enter WP into DEST 7. Required Time At (RTA) a. PROG > NEXT PAGE > NEXT PAGE > Enter WP > Enter RTA 8. SLOP a. RTE > OFFSET > R1 (not more than 2 miles) 9. DIRECT TO on given course a. ENTER WP as DIRECT > bottom right INTC CRS TO > enter course 10. TOD		c. OPT & MAX FL increase by 100 ft every 10-13 min			
f. step climb constrained: e.g. 370S will make fuel pred accurate again 5. Draw time marker on ND a. FIX > ETA-ALT > TimeZ 6. Get time to WP a. PROG > enter WP into DEST 7. Required Time At (RTA) a. PROG > NEXT PAGE > NEXT PAGE > Enter WP > Enter RTA 8. SLOP a. RTE > OFFSET > R1 (not more than 2 miles) 9. DIRECT TO on given course a. ENTER WP as DIRECT > bottom right INTC CRS TO > enter course 10. TOD 11. RECALL Check for EICAS messages 12. CHKL Check for Notes 13. DEST Weather Check Check 14. QNH Preselect DEST QNH	П	d. step climb based on RCMD FL			
5. Draw time marker on ND a. FIX > ETA-ALT > TimeZ 6. Get time to WP a. PROG > enter WP into DEST 7. Required Time At (RTA) a. PROG > NEXT PAGE > NEXT PAGE > Enter WP > Enter RTA 8. SLOP a. RTE > OFFSET > R1 (not more than 2 miles) 9. DIRECT TO on given course a. ENTER WP as DIRECT > bottom right INTC CRS TO > enter course 10. TOD mathred Monitor a. BEFORE DESCEND 11. RECALL Check for EICAS messages 12. CHKL Check for Notes 13. DEST Weather Check 14. QNH Preselect DEST QNH		e. forecasted fuel might be inaccurate			
a. FIX > ETA-ALT > TimeZ 6. Get time to WP a. PROG > enter WP into DEST 7. Required Time At (RTA) a. PROG > NEXT PAGE > NEXT PAGE > Enter WP > Enter RTA 8. SLOP a. RTE > OFFSET > R1 (not more than 2 miles) 9. DIRECT TO on given course a. ENTER WP as DIRECT > bottom right INTC CRS TO > enter course 10. TOD		f. step climb constrained: e.g. 370S will make fuel pred accurate again			
6. Get time to WP a. PROG > enter WP into DEST 7. Required Time At (RTA) a. PROG > NEXT PAGE > NEXT PAGE > Enter WP > Enter RTA 8. SLOP a. RTE > OFFSET > R1 (not more than 2 miles) 9. DIRECT TO on given course a. ENTER WP as DIRECT > bottom right INTC CRS TO > enter course 10. TOD	5.	Draw time marker on ND			
a. PROG > enter WP into DEST 7. Required Time At (RTA) a. PROG > NEXT PAGE > NEXT PAGE > Enter WP > Enter RTA 8. SLOP a. RTE > OFFSET > R1 (not more than 2 miles) 9. DIRECT TO on given course a. ENTER WP as DIRECT > bottom right INTC CRS TO > enter course 10. TOD		a. FIX > ETA-ALT > TimeZ			
7. Required Time At (RTA) a. PROG > NEXT PAGE > NEXT PAGE > Enter WP > Enter RTA 8. SLOP a. RTE > OFFSET > R1 (not more than 2 miles) 9. DIRECT TO on given course a. ENTER WP as DIRECT > bottom right INTC CRS TO > enter course 10.TOD	6.	Get time to WP			
a. PROG > NEXT PAGE > NEXT PAGE > Enter WP > Enter RTA 8. SLOP a. RTE > OFFSET > R1 (not more than 2 miles) 9. DIRECT TO on given course a. ENTER WP as DIRECT > bottom right INTC CRS TO > enter course 10. TOD		a. PROG > enter WP into DEST			
8. SLOP a. RTE > OFFSET > R1 (not more than 2 miles) 9. DIRECT TO on given course a. ENTER WP as DIRECT > bottom right INTC CRS TO > enter course 10. TOD	7.	Required Time At (RTA)			
a. RTE > OFFSET > R1 (not more than 2 miles) 9. DIRECT TO on given course a. ENTER WP as DIRECT > bottom right INTC CRS TO > enter course 10.TOD		a. PROG > NEXT PAGE > NEXT PAGE > Enter WP > Enter RTA			
9. DIRECT TO on given course a. ENTER WP as DIRECT > bottom right INTC CRS TO > enter course 10. TOD	8.	SLOP			
a. ENTER WP as DIRECT > bottom right INTC CRS TO > enter course 10. TOD		a. RTE > OFFSET > R1 (not more than 2 miles)			
10.TOD	9.	DIRECT TO on given course			
a. BEFORE DESCEND 11.RECALL		a. ENTER WP as DIRECT > bottom right INTC CRS TO > enter course			
11.RECALL Check for EICAS messages 12.CHKL Check for Notes 13.DEST Weather Check 14.QNH Preselect DEST QNH	10	.TOD Monitor			
12. CHKL Check for Notes 13. DEST Weather Check 14. QNH Preselect DEST QNH					
13. DEST Weather	11	.RECALL Check for EICAS messages			
14. QNH Preselect DEST QNH					
15. Arrival Enter / Verify					
	15	. Arrival Enter / Verify			

CRUISE - CONTINUED

16. Descend Wind Forecast	Request
a. FMC COMM > DES Forecast > Forecast Request	
b. TRL	Crosscheck
c. LOAD forecast uplink	
17. NAV AIDS	Enter / Confirm
18. Active Flight Plan	Copy to Secondary
a. RTE > PREV PAGE > RTE COPY	
19. Draw Markers for Arrival	As Required
20. Landing Weight	Calculate
a. PROG page, GW - (current fuel - predicted fuel at destil	nation)
21. Landing Speeds	Obtain
a. enter calculated landing weight (GW) at INIT REF page	
b. VREF add: half steady headwind + full gust	
22. Landing Performance	Calculate
23. AUTOBREAK	Set accordingly
24. Approach Minima	Get from Chart
a. B777-300ER is category D	
25. Approach Briefing	Perform
26. DESCEND CHECKLIST	Completed
27.MCP ALT Set	to descend target

DESCEND

1.	VNAV Mode Confirm VNAV PATH / as required				
	a. VNAV page provides required descend rate				
	b. VNAV > OFFPATH descend blue idle PWR to RWY, white with S/B				
	ON PASSING FL 250				
2.	SEATBELT Signs ON				
ON PASSING FL 100					
3.	Speed Brakes				
4.	LANDING, RUNWAY TURNOFF, TAXI Lights ON				
	ON PASSING TRL				
5.	QNH Set Local				
6.	APPROACH CHECKLIST Completed				
IL	S APPROACH				
	MCP Speed Open and manual speed select				
2.	Vicinity of Airport Identify NAV AIDS				
3.	12 NM prior to RWY with 3000 ft, 200 kt				
	ON INTERCEPTING GS				
4.	Flaps				
	AT 2500 FT ABOVE RWY THRESHOLD				
5.	LANDING GEARDOWN				
6.	Flaps				
7.	Speed Brake Arm				
8.	LANDING CHECKLIST Completed				
	CLEARED FOR APPROACH				
9.	APP mode				
10	On GS capture Set Missed Approach Altitude				

RNAV APPROACH (using VNAV)

1.	Da	tabase and Charts Compare
2.	Q١	NH Verify Local
3.	Mi	nimumsVerify
4.	AF	PROACH Mode
	a.	via Flaps 1
	b.	When activated, MCP Speed Open will keep VNAV PATH mode active
		AT 2 NM BEFORE FAF
5.	MC	CP ALT Set to Minimums
		ONCE 300 FT BELOW MISSED APPROACH ALTITUDE
6.	MC	CP ALT Set Missed Approach Altitude
	a.	A/C will continue to descend
		ONCE RWY IN SIGHT
7	Δ/Ι	P OFF
٠.	/\/\	011
	741	IF NO RW POINT IN FMC
		-
,.		IF NO RW POINT IN FMC
	a.	IF NO RW POINT IN FMC FD
	a.	IF NO RW POINT IN FMC
L	a.	IF NO RW POINT IN FMC FDOFF
L	a. AN Sta	IF NO RW POINT IN FMC FD
L	a. AN Sta	FDOFF IDING able approach at 1000 ft AGL Speed(VRef - 10, VRef + 10)
L	a. AN Sta	IF NO RW POINT IN FMC FD
L	a. State a. b.	FDOFF IDING able approach at 1000 ft AGL Speed(VRef - 10, VRef + 10)
L	a. Sta a. b. c.	FDOFF IDING able approach at 1000 ft AGL Speed
L	a. Sta a. b. c. d.	FD OFF IDING able approach at 1000 ft AGL Speed (VRef - 10, VRef + 10) LOC Within 1 dot of deviation GS Within 1 dot of deviation

2. Flare up 2-3 deg

AFTER LANDING

1.	Speed Brake	. Retracted
2.	APU	Start
3.	Anti-ICE	As Needed
4.	LANDING & Strobe Lights	OFF
5.	WXR & TERR	OFF
6.	Autobreak	OFF
7.	Flaps	UP
8.	Transponder	XPNDR
9.	Single Engine Taxi:	
	a. 3 min after landing passed and 36% N1 or less	
	b. Shutdown one engine	
	ON ENTERING GATE AREA	
10	.TAXI and RUNWAY TURNOFF Lights	OFF
11	PARKING BRAKE	Set
SI	HUTDOWN	
	PARKING BRAKE	•
	FUEL CONTROLS	
	SEATBELT Signs	
4.	HYDRAULIC System	OFF
	a. Shut down RIGHT side LAST	
5.	Fuel Pumps	OFF
	ONCE ENGINES BELOW 20% N2	
	BEACON Light	
	FD	
	Transponder	
	SHUTDOWN CHECKLIST	· .
	EICAS messages that do not disappear after 3 minutes	
11	.EFB Ground Operations	
	a. Doors Disarm All,	