First Officer (FO) Flows



PREFLIGHT FLOW	
AIRCRFT LOGBOOKCF	HECK
LANDING GEAR PINSVERIFY 3 AE	BOARD
(MAX) FLASHLIGHT TEST (AS INSTA	ALLED)
CIRCUIT BREAKERS	CHECK
DC METER SELECTOR	
BATTERY SWITCHON/G	
DATIERY SWITCHUN/G	uarueu
FUEL PANEL1 PUN	MP ON
HYDRAULIC PUMP ELEC	OFF
AIR CONDITIONING PANEL	
LANDING GEAR LEVER	DOWN
FIRE/OVERHEAT WARNING	.TEST
AC METER SELECTORGRD P	OWER
GRD PWR	
APU SWITCHS	START
APU GENERATOR BUS SWITCHES	ON
(MAX) APU DOOR LIGHTEXTINGUI	SHFD
IRS L AND R	NAV/
(MAX) MAINT LIGHTEXTINGUI	SHED
ELECTRICAL PANEL	SET
EMERGENCY EXIT LIGHTS SWITCH	3⊑1
EMERGENCY EXIT LIGHTS SWITCH	
ARMED/Gu	larded
ENVIRONMENTAL CONTROLSAS	
CDUCHECK FMC CONFIGURA	
CDUENTER PRESENT POS	SITION
FLAP LEVERVERIFY POS	
PARKING BRAKEVERIF	Y SET
WHEEL WELL FIRE WARNC	HECK
EXTERIOR LIGHTSC	HECK
FLIGHT DECK DOOR ACCESS	IILOK
FLIGHT DECK DOOR ACCESS	
FLIGHT DECK DOOR ACCESS SYSTEM	
FLIGHT DECK DOOR ACCESS SYSTEM EXTERIOR INSPECTION	.TEST
FLIGHT DECK DOOR ACCESS SYSTEM EXTERIOR INSPECTION FLIGHT DECK PREP FLOW (NG / M	.TEST
FLIGHT DECK DOOR ACCESS SYSTEM EXTERIOR INSPECTION FLIGHT DECK PREP FLOW (NG / M EXTERIOR LIGHTS	TEST <u>AX)</u> SET
FLIGHT DECK DOOR ACCESS SYSTEM EXTERIOR INSPECTION FLIGHT DECK PREP FLOW (NG / M EXTERIOR LIGHTS	TEST <u>AX)</u> SET
FLIGHT DECK DOOR ACCESS SYSTEM EXTERIOR INSPECTION FLIGHT DECK PREP FLOW (NG / M EXTERIOR LIGHTS CRASH AXE	TEST AX)SET OWED BOARD
FLIGHT DECK DOOR ACCESS SYSTEM. EXTERIOR INSPECTION > FLIGHT DECK PREP FLOW (NG / M EXTERIOR LIGHTS	TEST AX)SET OWED BOARD CHECK
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FLIGHT DECK DOOR ACCESS SYSTEM. EXTERIOR INSPECTION FLIGHT DECK PREP FLOW (NG / M EXTERIOR LIGHTS	AX)SET OWED BOARD CHECK CHECK
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FLIGHT DECK DOOR ACCESS SYSTEM. EXTERIOR INSPECTION FLIGHT DECK PREP FLOW (NG / M EXTERIOR LIGHTS	AX)SET OWED BOARD CHECK CHECK CURED PLISH RDS
FLIGHT DECK DOOR ACCESS SYSTEM	TEST AX)SET OWED BOARD CHECK CHECK CURED PLISH RDS PLISH
FLIGHT DECK DOOR ACCESS SYSTEM. EXTERIOR INSPECTION FLIGHT DECK PREP FLOW (NG / M EXTERIOR LIGHTS	TEST AX)SET OWED BOARD CHECK CHECK CURED PLISH RDS PLISH
FLIGHT DECK DOOR ACCESS SYSTEM. EXTERIOR INSPECTION FLIGHT DECK PREP FLOW (NG / M EXTERIOR LIGHTS	TEST AX)SET OWED BOARD CHECK CHECK CURED PLISH RDS PLISH HECK
FLIGHT DECK DOOR ACCESS SYSTEM. EXTERIOR INSPECTION FLIGHT DECK PREP FLOW (NG / M EXTERIOR LIGHTS	TEST AX)SET OWED BOARD CHECK CHECK CURED PLISH RDS PLISH HECK
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FLIGHT DECK DOOR ACCESS SYSTEM. EXTERIOR INSPECTION FLIGHT DECK PREP FLOW (NG / M EXTERIOR LIGHTS. CRASH AXE. LANDING GEAR PINS. VERIFY 3 AE LIFE VESTS. CPBE. CFIRE EXTINGUISHER. CHECK/SEC EFB PREFLIGHT. ACCOM EFB 28V DC CHARGING PLUG AND COF PREFLIGHT. ADDITIONAL SEAT. AD RUDDER PEDALS. AD FLIGHT DECK LIGHT. SET AS DES	AX)SET OWED BOARD CHECK CHECK CURED PLISH RDS PLISH HECK JUST JUST SIRED
FLIGHT DECK DOOR ACCESS SYSTEM. EXTERIOR INSPECTION FLIGHT DECK PREP FLOW (NG / M EXTERIOR LIGHTS	AX)SET OWED BOARD CHECK CH
FLIGHT DECK DOOR ACCESS SYSTEM. EXTERIOR INSPECTION FLIGHT DECK PREP FLOW (NG / M EXTERIOR LIGHTS	AX)SET OWED BOARD CHECK CHECK CURED PLISH RDS PLISH HECK JUST JUST GIRED COTED
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FLIGHT DECK DOOR ACCESS SYSTEM. EXTERIOR INSPECTION FLIGHT DECK PREP FLOW (NG / M EXTERIOR LIGHTS	AX)SET OWED GOARD CHECK CH
FLIGHT DECK DOOR ACCESS SYSTEM. EXTERIOR INSPECTION FLIGHT DECK PREP FLOW (NG / M EXTERIOR LIGHTS	AX)SET OWED BOARD CHECK CH
FLIGHT DECK DOOR ACCESS SYSTEM. EXTERIOR INSPECTION FLIGHT DECK PREP FLOW (NG / M EXTERIOR LIGHTS	AX)SET OWED BOARD CHECK CH

MODE CONTROL PANEL	SET
EFIS CONTROL PANEL	SET
> FLIGHT DECK PREP FLOW (NG CO	ONT.)
ENGINE INSTRUMENTS	CHECK
OIL QUANTITY	
HYDRAULIC QUANTITY	CHECK
AUTOPILOT INDICATORS PANEL	
DISPLAY SELECT PANELS	
FLIGHT INSTRUMENTS	
CLOCKDAY, MONTH, YEAR/SET	TOUTC
GPWS	
CDU RTE 2/	
TRANSPONDER TEST/SET, SELECT	ΓTΔ/RΔ
VHF NAVIGATION RADIOS	
VHF COMMUNICATIONS RADIO AND AL	
CONTROL PANEL	
CREW OXYGEN SYSTEM	
(-700) SMOKE GOGGLES (AS	CHECK
INSTALLED)	CHECK
SUN VISOR	CHECK
FLIGHT DECK SLIDING	CHECK
WINDOW/HANDLECLOSED AND L	OCKED
FLIGHT DECK PREP FLOW (MAX C	OCKED
ENGINE INSTRUMENTS	CHECK
OIL QUANTITYHYDRAULIC QUANTITY	CHECK
AUTOPILOT INDICATORS PANEL	TECT
FLIGHT INSTRUMENTS	
AUXILIARY DISPLAY CHECK UTC	, XPDR,
MONTH, YEAR, NOSE NUMBER	TEOT
GPWSSE	IESI
CDU	ZPAGE
TRANSPONDER TEST/SET, SELECT	I IA/KA
VHF NAVIGATION RADIOSVHF COMMUNICATIONS RADIO AND AL	SET
CONTROL PANELCREW OXYGEN SYSTEM	SET
SUN VISORFLIGHT DECK SLIDING WINDOW/HAND	CHECK
CLOSED AND L	OCKED
> THROUGH FLIGHT FLOW	
IRS L AND RALIGN, THI	EN NAV
FMC/CDUENTER PRESENT PC	
(MAX) MAINT LIGHT EXTINGU	JISHED
PRESSURIZATION PANEL	SET
IGNITION SELECTOR SWITCHAS REC	
ATIS AC	CQUIRE
FMCPRO	
CPDLCL	OG ON
LUVCARS INITIALIZATION PROGE	RAM, AS
REQUIRED	
CLEARANCE ACQUIRE (WHEN AVAI	LABLE)
PWBPROGRAM TAKEOFF COND	DITIONS
MODE CONTROL PANEL	
FLIGHT INSTRUMENTS	CHECK
TDANISDONIDED SET SELECT	

VHF NAVIGATION RAD	OIOSSET
VHF COMMUNICATION	IS RADIO AND AUDIO
CONTROL PANEL	SET
(700) SMOKE GOGGI	SET ES (AS
INSTALLED)	CHECK
	EM CHECK
	WINDOW/HANDLE
CLOSED AND LOCKED	
EFB PREFLIGHT	ACCOMPLISH
Captain Briefing • Assign PF/PM Duties	Pilot Flying
 Assign PF/PM 	 Clearance
Duties	 MCP and VHF NAV
 SIP Page 	radio
- Altornatos	- EMC routo
Special Airports	Automation and
MEL items	navigation
NOTANA	LICCTIO
Adverse weather	• HGS 1/O
Adverse weather	Required min climb
Taxi routing	gradient
hotspots/SMGCS	 Engine-out turn
 Runway conditions 	procedure Transition altitude
✓ BEFORE ST	ART CHECKLIST
PWB Takeoff Data Rev	riew
Review PWB Takeoff Da	ata (LUVCARS)
Load FMC	(LUVCARS)
PERF INIT - Select "LO	AD" prompt (FMC)
Review the T/O REF pa	ges (FMC)
Select "ACCEPT"	(FMC)
(CA) - Review PERF IN	IT N1 LIMIT TO PEE
(CA) – Review PERF IN	IT, N1 LIMIT, T/O REF
✓ BEFORE PL	IT, N1 LIMIT, T/O REF <mark>JSH CHECKLIST</mark>
✓ <u>BEFORE PU</u> > <u>BEFORE START I</u>	IT, N1 LIMIT, T/O REF <mark>JSH CHECKLIST</mark> FLOW
✓ <u>BEFORE PU</u> > <u>BEFORE START I</u> PUSH BACK TIME	IT, N1 LIMIT, T/O REF <mark>JSH CHECKLIST</mark> F LOW NOTED
✓ BEFORE PL ➤ BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH	IT, N1 LIMIT, T/O REF JSH CHECKLIST FLOWNOTED TNON
✓ <u>BEFORE PL</u> ➤ <u>BEFORE START I</u> PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE	IT, N1 LIMIT, T/O REF JSH CHECKLIST FLOWNOTED TONCONFIRM AUTO
➤ BEFORE PL ➤ BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S)	IT, N1 LIMIT, T/O REF JSH CHECKLIST FLOWNOTED TONCONFIRM AUTO
➤ BEFORE PL ➤ BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING	IT, N1 LIMIT, T/O REF JSH CHECKLIST FLOWNOTED TONCONFIRM AUTO
➤ BEFORE PL ➤ BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START	IT, N1 LIMIT, T/O REF SH CHECKLIST
➤ BEFORE PL ➤ BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START #" "OI	IT, N1 LIMIT, T/O REF SH CHECKLIST
➤ BEFORE PL ➤ BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START #" "OI "LIGHT OFF" "RO.	IT, N1 LIMIT, T/O REF SH CHECKLIST
➤ BEFORE PL ➤ BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START #_" "OI "LIGHT OFF" "RO. START SWITCH	IT, N1 LIMIT, T/O REF SH CHECKLIST
➤ BEFORE PL ➤ BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START #_" "OI "LIGHT OFF" "RO. START SWITCH	IT, N1 LIMIT, T/O REF SH CHECKLIST
➤ BEFORE PL ➤ BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START #_" "OI "LIGHT OFF" "RO. START SWITCH	IT, N1 LIMIT, T/O REF SH CHECKLIST
→ BEFORE PL → BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START #" "OI "LIGHT OFF" "ROI START SWITCH IGN SWITCH START # OR SINGI	IT, N1 LIMIT, T/O REF SH CHECKLIST
► BEFORE PL ➤ BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START # " "OI "LIGHT OFF" "ROI START SWITCH IGN SWITCH START # OR SINGI PUSH COMPLETE	IT, N1 LIMIT, T/O REF SH CHECKLIST
→ BEFORE PL → BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START #" "OI "LIGHT OFF" "ROI START SWITCH IGN SWITCH START # OR SINGI PUSH COMPLETE CLOCK	IT, N1 LIMIT, T/O REF SH CHECKLIST
→ BEFORE PL → BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START #" "OI "LIGHT OFF" "RO START SWITCH IGN SWITCH START # OR SINGI PUSH COMPLETE CLOCK → AFTER START FL	IT, N1 LIMIT, T/O REF ISH CHECKLIST
→ BEFORE PL → BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START # " "OI "LIGHT OFF" "RO. START SWITCH IGN SWITCH START # OR SINGI PUSH COMPLETE CLOCK → AFTER START FL ELECTRICAL	IT, N1 LIMIT, T/O REF SH CHECKLIST
→ BEFORE PL → BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START # " "OI "LIGHT OFF" "RO. START SWITCH IGN SWITCH START # OR SINGI PUSH COMPLETE CLOCK → AFTER START FL ELECTRICAL APU SWITCH AND SHAPE START FL ELECTRICAL APU SWITCH	IT, N1 LIMIT, T/O REF ISH CHECKLIST
BEFORE PL BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START #" "OI "LIGHT OFF" "RO. START SWITCH IGN SWITCH START #OR SINGI PUSH COMPLETE CLOCK AFTER START FL ELECTRICAL APU SWITCH PROBE HEAT	IT, N1 LIMIT, T/O REF SH CHECKLIST
→ BEFORE PL → BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START # " "OI "LIGHT OFF" "RO. START SWITCH IGN SWITCH IGN SWITCH START # OR SINGI PUSH COMPLETE CLOCK → AFTER START FL ELECTRICAL APU SWITCH PROBE HEAT ENGINE & WING A-ICE	IT, N1 LIMIT, T/O REF SH CHECKLIST
→ BEFORE PL → BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START #" "OI "LIGHT OFF" "RO. START SWITCH IGN SWITCH START #OR SINGI PUSH COMPLETE CLOCK → AFTER START FL ELECTRICAL APU SWITCH PROBE HEAT ENGINE & WING A-ICE HYD PNL	IT, N1 LIMIT, T/O REF SH CHECKLIST
→ BEFORE PL → BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START # " "OI "LIGHT OFF" "RO. START SWITCH IGN SWITCH START # OR SINGL PUSH COMPLETE CLOCK → AFTER START FL ELECTRICAL APU SWITCH PROBE HEAT ENGINE & WING A-ICE HYD PNL A/C & PRESS	IT, N1 LIMIT, T/O REF ISH CHECKLIST
BEFORE PL → BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START #" "CO "LIGHT OFF" "RO. START SWITCH IGN SWITCH START # OR SINGL PUSH COMPLETE CLOCK → AFTER START FL ELECTRICAL APU SWITCH PROBE HEAT ENGINE & WING A-ICE HYD PNL A/C & PRESS WHEEL WELL LIGHT	IT, N1 LIMIT, T/O REF SH CHECKLIST
PEFORE PL PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START # " "OI "LIGHT OFF" "RO. START SWITCH IGN SWITCH START # OR SINGI PUSH COMPLETE CLOCK AFTER START FL ELECTRICAL APU SWITCH PROBE HEAT ENGINE & WING A-ICE HYD PNL A/C & PRESS WHEEL WELL LIGHT OIL QUANTITY	IT, N1 LIMIT, T/O REF ISH CHECKLIST
PEFORE PL PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START # " "OI "LIGHT OFF" "RO. START SWITCH IGN SWITCH START # OR SINGI PUSH COMPLETE CLOCK AFTER START FL ELECTRICAL APU SWITCH PROBE HEAT ENGINE & WING A-ICE HYD PNL A/C & PRESS WHEEL WELL LIGHT OIL QUANTITY	IT, N1 LIMIT, T/O REF ISH CHECKLIST
BEFORE PL → BEFORE START I PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START #" "OI "LIGHT OFF" "RO. START SWITCH IGN SWITCH START #OR SINGI PUSH COMPLETE CLOCK → AFTER START FL ELECTRICAL APU SWITCH PROBE HEAT ENGINE & WING A-ICE HYD PNL A/C & PRESS WHEEL WELL LIGHT OIL QUANTITY START LEVERS ELAD LEVER	IT, N1 LIMIT, T/O REF SH CHECKLIST
PEFORE PL PUSH BACK TIME ANTI-COLLISION LIGH ISOLATION VALVE RECIR FAN(S) AIR CONDITIONING ENGINE START "START # " "OI "LIGHT OFF" "RO. START SWITCH IGN SWITCH START # OR SINGI PUSH COMPLETE CLOCK AFTER START FL ELECTRICAL APU SWITCH PROBE HEAT ENGINE & WING A-ICE HYD PNL A/C & PRESS WHEEL WELL LIGHT OIL QUANTITY	IT, N1 LIMIT, T/O REF SH CHECKLIST

LIGHTS	SET
NORMAL TAKEOFF	
(PF)	(PM)
N1 TO 40% THEN	
INCREASE	
-PUSH TO/GA-	
"SET TAKEOFF	"XX.X, SET"
THRUST, XX.X"	
	"80 kts"
	"V1"
	"ROTATE"
"LDG GR UP"	"POS RT, LDG GR
	UP"
CLIMB AT V2 + 20	
@ 400 ft	
"LNAV OR HEADING	
SEL"	
@ MIN CLEANUP	
(1000)	
"SET SPEED"	Ensure SPD Bug is
(IF REQUIRED)	at the UP bug
"FLAPS UP" on	REPEAT PF CALLS
schedule	
"CLIMB THRUST"	SET/VERIFY
	THRUST

TO/FLAPS	DISPLAY	SPEED	SET
25	V ₂ + 15	V ₂ + 15	15
	15	170	5
	5	180	1
	1	200	UP
15 OR 10	V ₂ + 15	V ₂ + 15	5
	5	180	1
	1	200	UP
5	V ₂ + 15	V ₂ + 15	1
	1	200	UP
1	1	200	UP

- (PM) After the flaps indicate fully retracted, Landing Gear – OFF (NG only)
 AUTO BRAKE – OFF
- @ 5000 ft, select "N1 LIMIT" page on FMC and delete CLB-1 or CLB-2 (NG ONLY).
 CLIMB [@ 10,000 FT]

First Officer (FO) Flows



			ВОТН	
(CA) ATTENI			PUSH	
> CLIMB				
PRESSURIZ	ATION		CHECK	
(FO) CABIN (CA) START	TEMP		CHECK	
(CA) START	SWITCHES	5	AS REQD	
(CA) APU				
FUEL SYSTE	ΞM		MONITOR	
VHF #2 RAD	10	GUAF	RD (121.5)	
→ (PF) cal	ls <u>"CLIMB</u>	CHECKL	<u>IST"</u>	
[@ FL180 or	Transition	ALT]		
"xxx ft, Stand	lard Set"		ВОТН	
(FO) WING /	LOGO LIGH	HTS	OFF	
(CA) LDG / R				
			ENT	
ATIS/GATE			ACQUIRE	
PWB				
PWB		REVI	EW DATA	
AUTOBRAKE	±S		AS REQD	
APPROACH				
MINIMUMS			SET	
ARRIVAL BE	RIEFING (PI	<u>-)</u>		
			trictions - Trans	
level - ADVE	RSE WX - N	IOTAMs -	SIP - Special	
Airports - ME	L items - Ap	prch TYF	E - Flaps -	
Braking - Tou	ichdown poi	nt/exit pla	n - LAHSO -	
Xfer of aircraft - Taxi RTE/hotspots/SMGCS -				
√	DESCENT	CHECKI	<u> IST</u>	
<mark>√</mark> 	<mark>DESCENT</mark> APPROACH	CHECKI IING [FL	<mark>_IST</mark> 180]	
 (CA) LDG/RV	<mark>DESCENT</mark> APPROACH WY TURN L	CHECKI IING [FL IGHTS	<u>_IST</u> 1 <i>80]</i> ON	
(CA) LDG/RV (CA) START	<u>DESCENT</u> APPROACH VY TURN L SWITCHES	CHECKI IING [FL IGHTS	<mark>_IST</mark> 180] ON .AS REQD	
(CA) LDG/RV (CA) START (FO) WING L	CDESCENT APPROACH VY TURN L SWITCHES OGO (NIGH	CHECKI IING [FL IGHTS IT)	<u></u>	
(CA) LDG/RV (CA) START (FO) WING L (FO) ALTIME	DESCENT APPROACE WY TURN L SWITCHES OGO (NIGE TER	CHECKI IING [FL IGHTS IT)	<u></u>	
(CA) LDG/RV (CA) START (FO) WING L (FO) ALTIME SHOULDER	DESCENT APPROACE WY TURN L SWITCHES OGO (NIGE TER	CHECKI IING [FL IGHTS IT)	<u></u>	
(CA) LDG/RV (CA) START (FO) WING L (FO) ALTIME SHOULDER (PF)	APPROACE WY TURN L SWITCHES OGO (NIGE TER HARNESS.	CHECKI IING [FL IGHTS	<u></u>	
(CA) LDG/RV (CA) START (FO) WING L (FO) ALTIME SHOULDER (PF) "FLIGHT LEV	DESCENT APPROACH WY TURN L SWITCHES OGO (NIGH TER HARNESS.	CHECKI IING [FL IGHTS	<u></u>	
(CA) LDG/RV (CA) START (FO) WING L (FO) ALTIME SHOULDER (PF) "FLIGHT LEV CHECKLIST.	DESCENT APPROACH WY TURN L SWITCHES OGO (NIGH TER HARNESS.	CHECKI IING [FL IGHTS	<u></u>	
(CA) LDG/RV (CA) START (FO) WING L (FO) ALTIME SHOULDER (PF) "FLIGHT LEV CHECKLIST. (PM)	MESCENT APPROACH WY TURN L SWITCHES OGO (NIGH ETER HARNESS. /EL 180, XX	CHECKI IING [FL IGHTS	<u></u>	
(CA) LDG/RV (CA) START (FO) WING L (FO) ALTIME SHOULDER (PF) "FLIGHT LEV CHECKLIST. (PM)	MESCENT APPROACH WY TURN L SWITCHES OGO (NIGH TERH HARNESS. /EL 180, XX	CHECKI IING [FL IGHTS IT) IT)		
(CA) LDG/RV (CA) START (FO) WING L (FO) ALTIME SHOULDER (PF) "FLIGHT LEV CHECKLIST. (PM) "FLIGHT LEV	MESCENT APPROACH WY TURN L SWITCHES OGO (NIGH ETERHARNESS. /EL 180, XX " /EL XXX, APPROACI	CHECKI IING [FL IGHTS IT) IXX, APP		
(CA) LDG/RV (CA) START (FO) WING L (FO) ALTIME SHOULDER (PF) "FLIGHT LEV CHECKLIST. (PM) "FLIGHT LEV APPROACHI	MESCENT APPROACH WY TURN L SWITCHES OGO (NIGH ETERHARNESS. /EL 180, XX " /EL XXX, APPROACI	CHECKI IING [FL IGHTS IT) IXX, APP		
(CA) LDG/RV (CA) START (FO) WING L (FO) ALTIME SHOULDER (PF) "FLIGHT LEV CHECKLIST. (PM) "FLIGHT LEV APPROACHI (CA)	MESCENT APPROACH WY TURN L SWITCHES OGO (NIGH TER HARNESS. /EL 180, XX " /EL XXX, APPROACI ING [10,000	CHECKI IING [FL IGHTS IT) IXX, APP		
(CA) LDG/RV (CA) START (FO) WING L (FO) ALTIME SHOULDER (PF) "FLIGHT LEV CHECKLIST. (PM) "FLIGHT LEV APPROACHI (CA) ATTENDANT	MESCENT APPROACH WY TURN L SWITCHES OGO (NIGH TER HARNESS. /EL 180, XX " /EL XXX, APPROACI ING [10,000	CHECKI IING [FL IGHTS IT) IXX, APP	LIST 180]ON AS REQDONSETFASTEN PROACH CLISTPRESS	
(CA) LDG/RV (CA) START (FO) WING L (FO) ALTIME SHOULDER (PF) "FLIGHT LEV CHECKLIST. (PM) "FLIGHT LEV APPROACHI (CA) ATTENDANT	MESCENT APPROACH WY TURN L SWITCHES OGO (NIGH TER HARNESS. /EL 180, XX " /EL XXX, APPROACH ING [10,000]	CHECKI IING [FL IGHTS IT) IXX, APP	LIST 180] NAS REQD NAS REQUE NAS RE	
(CA) LDG/RV (CA) START (FO) WING L (FO) ALTIME SHOULDER (PF) "FLIGHT LEV CHECKLIST. (PM) "FLIGHT LEV APPROACHI (CA) ATTENDANT ATTENDANT "10,000 FT, F	MESCENT APPROACH WY TURN L SWITCHES OGO (NIGH TER HARNESS. /EL 180, XX " /EL XXX, APPROACH ING [10,000]	CHECKI IING [FL IGHTS IT) IXX, APP	LIST 180]ON AS REQDONSETFASTEN PROACH CLISTPRESS	
(CA) LDG/RV (CA) START (FO) WING L (FO) ALTIME SHOULDER (PF) "FLIGHT LEV CHECKLIST. (PM) "FLIGHT LEV APPROACH! (CA) ATTENDANT ATTENDANT "10,000 FT, F	MESCENT APPROACH WY TURN L SWITCHES OGO (NIGH TER HARNESS. /EL 180, XX " /EL XXX, APPROACH ING [10,000]	CHECKI IING [FL IGHTS IT) IXX, APP	LIST 180] NAS REQD NAS REQUE NAS RE	
(CA) LDG/RV (CA) START (FO) WING L (FO) ALTIME SHOULDER (PF) "FLIGHT LEV CHECKLIST. (PM) "FLIGHT LEV APPROACHI (CA) ATTENDANT ATTENDANT "10,000 FT, F (FO) "10,000 FT"	MESCENT APPROACH WY TURN L SWITCHES .OGO (NIGHETER HARNESS. /EL 180, XX " /EL XXX, APPROACI ING [10,000]	CHECKI IING [FL IGHTS IT) IXX, APP T CHECK I I I I I I I I I I I I I I I I I I I	LIST 180] NAS REQD NAS REQUE NAS R	
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VNAV

LOC / HDG

VNAV / V/S

LOC/APP

APP

VERT

Approach category D minima (141-165 kts)
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- When approaching, and before decelerating below flaps up maneuvering speed (UP), select flaps 5.
- When approaching, and before decelerating below flaps 5 maneuvering speed (5), select
- When approaching, and before decelerating below flaps 15 maneuvering speed (15), select flaps 25, or final landing flaps.

CONFIGURATION CALLS & SEQUENCE → 12-15 nm from FAF

(PF) Begin slowing from 250 kts to flaps up maneuvering speed by 10 nm (210 clean)

→ On base leg or 5 nm from the FAF

(PF) Call, "Flaps 5." (PM) Repeat, "Flaps 5."

Set speed to 180 kts or flaps 5 speed bug → 3 nm from FAF OR (G/S ALIVE)

(PF) Call, "Landing Gear Down, Flaps 15." (PM) Repeat, "Landing Gear Down, Flaps 15." Set speed to 150 kts or to flaps 15 bug (CA) SPEEDBRAKE.....ARM

→ 2 nm FROM FAF

(PF) Call, "Flaps ____." Slow to VTARGET. (PM) Repeat, "Flaps ___." Select flaps ___.
(PF) Call, "Before Landing Checklist." FLAPS SET AND NO LATER THAN 1,000 FT ABOVE TDZE COMPLETE THE:

→ BEFORE LANDING CHECKLIST

Setting the MCP Altitude to Zero

MCP altitude must be set to zero for all instrument approaches, except circle-to-land procedures.

APP MODE:

- Cleared for the approach
- On a published segment of the approach
- VOR/LOC captured
- GS captured

VNAV MODE:

- Cleared for the approach
- On a published segment of the approach
- Final segment roll mode verified in FMA
- Prior to GP intercept
- VNAV PTH in FMA

V/S MODE:

- Cleared for the approach
- On a published segment of the approach
- At the FAF altitude, if there are no restrictions inside of the FAF, after compliance with stepdown restrictions inside of the FAF is ensured

Visual Approach Profile

- → DOWNWIND: FLAPS 5 – 5 maneuver
- → PRIOR TO BASE LANDING GEAR DOWN Flaps 15

→ BASE FLAPS 30/40 - VTGT @ 1,000 ft above TDZE Callouts:

POSITION	PF	PM
AT 1,000 FT ABOVE TDZE	"1,000 FT, AIRSPEED, SINK RATE."	"1,000 FT"
ON FINAL	DISENGAGE THE AUTOPILOT AND AUTOTHROTTLE NO LOWER THAN 50 FT AGL.	"500" IF NO AUTO CALLS. "100" "50" "30" "10"

ILS APPROACH CALLS:

POSITION	PF	PM
LOC	"VOR LOC	
CAPTURE	CAPTURE"	
GS INTCPT	"GLIDESLOPE	
	CAPTURE"	
@ MARKER	"XXXX AT (ALT)	"CROSS- CHECKED"
1,000	"1,000 FT,	"1,000 FT"
	AIRSPEED,	
	SINK RATE"	
@ 500 AGL		"500"
100 ABOVE	"GOING	"APPROACHING
DA	OUTSIDE"	MINIMUMS"
@ DA	"LANDING OR	"MINIMUMS"
	GO AROUND"	

RNAV (GPS) AND (RNP) APPROACH CALLS:

POSITION	PF	PM
ON APPCH	"LNAV AND VNAV PATH"	Verify FMA
FAF	"(FIX) at (ALT)"	"CROSS- CHECKED"
@ 1,000 FT ABOVE TDZ	"1,000 FT, AIRSPEED, SINK RATE"	"1,000 FT"
@ 500 AGL		"500"
100 ABOVE DA	"GOING OUTSIDE"	"APPROACHING MINIMUMS"
@ DA OR DDA	"LANDING OR GO AROUND"	"MINIMUMS"

NON-PRECISION V/S APPROACH CALLS:

POSITION	PF	PM
INTCP FINAL	"VOR LOC CAPTURE"	Verify FMA
FAF	"(FIX) at (ALT)"	"CROSS- CHECKED"
@ 1,000 FT ABOVE TDZ	"1,000 FT, AIRSPEED, SINK RATE"	"1,000 FT"
@ 500 AGL		"500"
100 ABOVE DDA	"GOING OUTSIDE"	"APPROACHING MINIMUMS"
@ DDA	"LANDING OR GO AROUND"	"MINIMUMS"

GO AROUND/MISSED APPROACH CALLS:

PF	PM

"GO AROUND" Select TO/GA	"GO AROUND"
Advance thrust	
Rotate to 15°	
"FLAPS 15"	"FLAPS 15"
"LANDING GEAR UP,	"POSITIVE RATE,
SET MISSED APPROACH	LANDING GEAR UP"
ALTITUDE"	
AT 400 FT	"HDG SEL OR LNAV"
"HDG SEL OR LNAV"	
1,000 ft AGL	"FLAPS 5"
"FLAPS 5" @ BUG OR	
VREF+15	
If appropriate	Verify climb thrust, advise
"I HAVE THE THRUST"	ATC of go-around.
OR "CLIMB TRUST"	711 0 01 go aroana.
"FLAPS 1" @ BUG OR	"FLAPS 1"
170	
"FLAPS UP" @ UP BUG	"FLAPS UP"
OR 190	

LANDING CALLS:

POSITION	PF	PM
AT		"EXTENTED"
TOUCHDOWN		OR "NO
		SPEEDBRAKE"
NOSE WHEEL	SET REV TO	"DEPLOYED"
ON THE	DETENT 2	OR "NO
GROUND		REVERSE"
		"AUTOBRAKE
		DISARM"
		"60 KTS"

(CA) "FLAPS UP"		
(CA) SPD BRK	DN / LIGHTS	OFF

AFTER I ANDING FLOW (FO)

AFTER LANDING FL	<u>.OW (FO)</u>
FLAPS	(FO) "FLAPS UP"
CLOCK	START
RADAR	TEST/OFF
AUTOBRAKE SWITCH	OFF
APU	START
ENG START SW	OFF
LIGHTS	AS REQ
ANTI-ICE	SET
PROBE HEAT	OFF
WINDOW HEAT	
APU GEN BUS Switches	ON
OPERATIONS	CALL

PARKING SHUTDOWN FLOW (FO)

ANTI-COLLISION	OFF
PACKS / AIR	AS RQD
HYD PUMPS	ELEC OFF
APU	AS RQD
TRANSPONDER	STBY
	AND SET ALL ZEROS

LUVCARS POSTFLIGHT P/C AIR / PACK CONFIGURED

AFTER SHUTDOWN (TERMINATING)

(CA) POST FLIGHT	ACCOMPLISH
(FO) Crew change or terminating	ng; enter fuel and
oil in logbook.	