

COCKPIT OP'S CHECKS

AHRS Battery	TEST
Standby Power	ON
Battery/DC volts	ON/CHECK
Battery Feed Test	TEST
Battery	EMER, THEN ON
Emer lights	GUARD UP/TEST
Master Test	TEST
Airspeed/ Landing Gear Warning	TEST
Indicator Lights	TEST
Fuel System	CHECK
Boost pumps	AUTO
Fuel Transfer Pumps	ON THEN AUTO
Fuel Crossfeed	CHECK
Fuel Counter	ZERO
Trim System	CHECK
Cockpit Voice recorder	TEST

30 MINUTES PRIOR

GPU	ON IF AVAILABLE
Generator reset switches	SET FOR START
Air Conditioning w/GPU	ON
Radio Masters	ON
ATIS	RECORD
Clearance	RECORD
FMS	PROGRAM
• POS INIT	
• PERF INIT	PAX, CARGO, FUEL, ALT,
• FLTPLAN DEPARTURE, ROUTE, ARRIVAL	
• TRANSPONDER SQUAWK	
• ALTITUDE SELECT	
• VSPEEDS	
• POWER SETTING	

NO GPU

FMS FLT PLAN	STORE
Standby Pwr	OFF
Emergency light	OFF
<u>Battery</u>	<u>OFF</u>

STARTING ENGINES

Parking Brake	SET
Standby Power	ON
Battery	ON
Generator reset switches	SET FOR START
Nav Lights	ON
EMER Lights	Armed
<u>Passenger briefing</u>	<u>COMPLETE</u>
Seat Belts	FASTENED
Radio Masters	OFF
A/C	OFF
DC Voltage	22V - 28V CHECK
Cabin Door	CLOSED
Beacon	ON
Eng Start Select	L OR R
EFC AUX PWR ON	ILLUMINATED
Engine Start	DEPRESS
Engine Start Select	OFF
Ignition and Boost Pump Lights	OUT
Hydraulic Pressure	NORMAL
FUEL/HYD PMP PRESS LO	OUT
Cabin Pressure Source	OPERATING ENGINE
FUEL PRESS LO	ILLUMINATED
Operating Generator	< 150 amps
Engine Start Select	OTHER ENGINE
EFC AUX PWR ON Annunciator	ILLUMINATED
Engine Start/other	DEPRESS
<u>Engine Start Select</u>	<u>OFF</u>
Ignition and Boost Pump Lights	OUT
ENG EFC OFF Annunciator	OUT
FUEL/ H PMP PRESS LO	OUT
EFC AUX PWR ON Annunciator	OUT
Cabin Pressure Source	BOTH HIGH or NORM
Engine Instrument	NORM & STABLE

BEFORE TAXI

Ground Power Unit	DISCONNECT
Generator Switches	24volts NORM 28 volts
DC Volts	CHECK
Engine Instruments	CHECK
A/C	AS REQ
Radio Masters.	ON
AC Voltages	CHECK
Standby Power Annunciator	ARM
Standby Gyro	UNCAGE
Cabin Sign	SAFETY
Galley Power	AS REQUIRED
Master Test (Generators)	TEST
Horizontal Stabilizer Anti-Ice System	CHECK
Engine/wing Anti-Ice/Deice if req	CHECK
Jet Pumps	CHECK
Fuel Trans	CHECK
Cross feed	NORM
Fuel Status	QUANTITY/ BALANCED
Cabin Pressure Control	CRUISE ALT
Speedbrakes	CHECK
Flaps selected, indicated, SET FOR TAKEOFF	
Trims	"123 SET both, norm, norm"
Rudder Boost	CHECK
Autopilot	CHECK AND DISENGAGE
Flight Controls	CHECK
IPAD/ Clearance	BRIEF
FMS/ Flight Instruments/Clearance	BRIEF
Takeoff Briefing	BRIEF
• FMS	programed, synced, sourced
• Waypoint / Heading V1, VR, V2, Speed tape, score board, Alt select. Alt tape, kolsman window, VSI, Heading, Attitude indicator, AP selector, AOA N1, Flaps	
• Take off brief: CALLOUTS, ABORTS, T/R DEPLOYMENT PROCEDURES	
• RETURN OR DIVERT PLAN	

TAXI

Wheel Brakes	CHECK
Anti-Skid	CHECK
Thrust Reversers	CHECK
Engine EFC System	TEST
Transponder/TCAS	TEST/ ALT

BEFORE TAKEOFF

Fuel CROSSFEED NORM, BALANCED
 Annunciators CLEAR
 Flaps ___ Indicated, ___ Selected, ___ Req
 Air Speeds POSTED
 Speedbrakes STOWED
 Trims 123 SET, BOTH, NORM, NORM
 Radar AS REQUIRED
 Engine Anti-Ice AS REQUIRED
 Departure review BRIEF
 Landing Lights ON
 Anti-Collision Lights ON
 Windshield Anti-Ice LOW
 6 Heats ON
 Ignitions ON
 Cabin Press Source BOTH NORM
 A/C OFF

AFTER TAKEOFF

POS RATE

Landing Gear UP
 Landing Lights OFF/IN
 Yaw Damp ON

• 400 FT

Flaps (UP) 0°
 Thrust (650) SET MCT
 Engine Sync AS REQUIRED
 A/C ON
 Recognition Light ON
Anti-Ice/Deice (400 ft. AGL) AS REQUIRED
 Ignitions STBY
 Pressurization PRESSURIZING
 Cabin Sign AS REQUIRED

• >1500 AGL

ECS OFF Takeoff Reconfig
 Cabin Pressure Source BOTH HIGH or NORM
 Vent Blower OFF
 Manual Pressure Control FULL INCREASE

BE-400 Original 12 22 2019

CLIMB (10k)

WI FI ON
(FL 180)
 Altimeters SET
 Cabin Pressurization CHECK
 A/C OFF
 Oxygen System CHECK
 Masks CHECK
 Recognition Light OFF
 Anti-Ice/Deice Systems AS REQUIRED
 Systems, Hydraulics, Engines, Annunc CHECK

DESCENT

Cabin Sign SAFETY
 Seat Belts/Shoulder Harnesses FASTENED
 Cabin Pressure Control ELEV + 500 feet SET
 Hydraulic/Nitrogen Pressure CHECK
 Fuel Status CHECK
 VREF, VAC, N1, AOA, LDG DIST CONFIRM

Flaps	16.3	16.1	15.7	15	14.5	14	13.5	13	12.5	12
Vref 30	119	118	117	114	112	110	108	106	104	102
Vref 10	141	140	139	136	134	132	130	128	126	124

Anti-Ice/Deice Systems AS REQUIRED
Windshield Defog 18K AS REQUIRED

Altimeters SET
 Recognition Light 10K AS REQUIRED
 FMS, Nav Source, Auto Tuning VERIFY
 MDA SET
 NAV Radios CHECK
 Crew Briefing COMPLETE
 Initial Fix, FAF, course, Minimums, MAP

APPROACH

Flaps 10°
 Engine Sync OFF
 Ignition Switches ON
 Landing Lights AS REQUIRED

BEFORE LANDING

Landing Gear DOWN
 Refrigeration Air Conditioning OFF
 Recognition Light(cleared to land) OFF
 Flaps 30°
 Yaw Damp OFF

AFTER LANDING

A/C AS DESIRED
 Oxygen System OFF
 Defog Blowers OFF
 Galley Power OFF
 Anti-Ice/Deice Systems:
 a. Wing, Engine and H Stab OFF
 b. Windshield OFF OR LOW
 6 heats OFF
 Ignitions STBY
 Radar OFF
 Flaps RETRACT
 Speedbrakes RETRACT
 Trims SET FOR TAKEOFF
 Standby Gyro CAGE
Standby Power OFF

SHUTDOWN

Cabin Pressure Source OFF
 Emergency Lights OFF
 A/C OFF
 Radio Masters OFF
 Thrust Levers CUTOFF
 Exterior Lights/NAV OFF/ON
 Parking Brake/Chocks AS REQUIRED
 Interior Lights OFF
 Cabin Lights OFF
 Battery/ 10% N1 OFF
 Control Lock INSTALL

MAXIMUM CONTINUOUS THRUST (N1)
 ECS ON/Anti-Ice OFF

PA/RAT	-40	-30	-20	-10	0	10	20	30	40
10,000	103.7	102	100.6	99.2	98	96.8	95.6	94.5	93.5
5000	92	94	95.9	97.7	98	96.8	95.6	94.5	93.5
SL	86.6	88.3	90.1	91.9	93.7	95.4	95.6	94.5	93.5

Engine Anti-Ice ON/ECS ON

PA/RAT	-40	-30	-20	-10	0	10	20	30	40
10,000	100.8	98.7	97.2	96.1	95.2	94.4	-	-	-
5000	92	94	95.9	96.1	95.2	94.4	-	-	-
SL	86.6	88.3	90.1	91.9	93.7	94.4	-	-	-

Engine and Wing Anti-Ice ON/ECS ON

PA/RAT	-40	-30	-20	-10	0	10	20	30	40
10,000	98.8	96.7	95.4	94.2	93.4	92.7	-	-	-
5000	92	94	95.4	94.2	93.4	92.7	-	-	-
SL	86.6	88.3	90.1	91.9	93.4	92.7	-	-	-

ECS OFF and Anti-Ice OFF

PA/RAT	-40	-30	-20	-10	0	10	20	30	40
10,000	104	102.6	101.2	99.9	98.6	97.4	96.3	95.2	94.1
5000	92	94	95.9	97.7	98.6	97.4	96.3	95.2	94.1
SL	86.6	88.3	90.1	91.9	93.7	95.4	96.3	95.2	94.1