**Pre Flight**

**POWER OFF CHECKS Cockpit Flow**

DC Power Normal

Radar OFF

Batteries ON/Lights OFF

Volts and amps CHECK

Emergency Battery VLTS CHECKED

#2 P BK Light NOT FLASHING

Parking Brake SET/LIGHT STEADY

Fuel CHECKED SET TO REAR

Fuel Counts ZEROED

Gross weight Count SET

Speed Bugs SET

Radios OFF

Batteries OFF

Circuit Breakers IN

Generators ON

Engine Comptrs ON

STRT Selectors GROUND START

XFER Pumps OFF

L and R Intercom OFF

Boost Pumps OFF

L and R Crossfeed CLOSED

Pitot Heats OFF

Windshield Heat OFF

Inverters AS REQ

HP Bleed Switches and PRV AUTO

Isolation Valve OPEN

Cabi and Crew BleedAir AUTO

Bag Air ON

Ani Ice Switches OFF

Windshield Wipers OFF

Aircraft Lighting OFF

Floor Heat Both OFF

Static Selector Normal

Compass Switches SLAVED

Brake Selector NO 1 ON

Hydraulic StBY Pump OFF

Temperature Controllers AUTO/12 O’CLOCK

T/R Emergency Stow Switch GAURDED

Fire Pull Handles 3 IN

Emergency Fuel Transfer Switch OFF GUARDED

Altitude Controller SET

Pressurizatio Selector AUTO/GUARDED

Manual Pressurization Knob GREEN INDEX

Pitot Static Selector Normal

Oxygen Mask Interphone CHECKED

Oxygen Mask/ System TESTED/RESET

Nose Lever OPEN

ELT/Flap Overide (if equiped) GUARDED

Emer Slat Switch GUARDED

Slat/Flap Handle CLEAN

Airbrake IN

Mach Trim OFF

Yaw Damper OFF

Auto Pilot OFF

**POWER ON**

**APU START**

Pilot Window AS REQUIRED

Batteries ON CHECKED

Bus Tie TIED

Bus C& D switches ON

Nav Lights ON

No 2 Boost Pump ON

Fire Warning TESTED

APU Start

BAT’s 1&2 CHARGING

Radios ON

EFIS ON

Inverters ON/CHECKED

EMER Lights ON/ARMED

Seat belt/no smoke ON

APU Bleed stable 2 mins AS DESIRED

IRS’s ALIGN

FMS’s ON

Master Failure Panel Tested

Landing Gear Panel TESTED

TO Config/ENG 2 TESTED

Battery Temp Monitor TEST

EFIS Display Reversion AS REQUIRED

**\***Hydraulic SBY Pump ON/AUTO CHECKED

**\***No. 2 Stall TESTED

**\***Hydraulic STBY Pump OFF

Audible Warns TESTED

**\***Emergency Stabilizer Trim CHECK

**\***Stabilizer Trim CHECK

**\***EMER Aileron Trim CHECKED/LIGHT OUT

**\***Rudder Trim CHECKED/ SET FOR TAKE OFF

**\***Aileron Trim CHECKED/SET FOR TAKE OFF

Airbrake CYCLED IN/LIGHTS OUT

A/P Disengagement CHECKED/DISINGAGED

Pilots EFIS OFF

PAX Brief Complete

**\*** **First Flight of The Day**

Galley Power SET

Radar STANDBY

Radios ON/SET

Marker Beacons TESTED

**BEFORE ENGINE START**

Park Brake SET/ LIGHT ON

Doors CLOSED/ LIGHT OFF

Ani Collision Light RED

Boost Pumps ON

**ENGINE START**

Engine Parameters CHECKED

DC Power Selector NORMAL

External Power DISCONNECTED

Batteries Amps/ Temps Checked

Generators Volts/Amps CHECKED

**AFTER START (Read and do)**

Circuit Breakers IN

Bus Tie Flight Normal/Light out

EFIS ON

**\***Engine Computers Checked/ON

XFER Fuel Pumps ALL ON/Lights OUT

Windshield Heat/Side NORMAL/ON

**\***Anti-Ice Cycled Set for take off

Cockpit Lighting AS Required

Sliding Window CLOSED

GPWS TESTED

EMER Horizon UNCAGED

Anti Skid TESTED

Hydraulic: Pressure/Quantity CHECKED

Hydraulic Standby Pump ON

**\***No 1 Stall Tested

EMER Batteries ON

Mach Trim ON

Yaw damper AS REQUIRED

Transponder/TCAS ON/Tested

Flight Instruments TESTED/ SET FOR T.O.

Compass Headings Both CHECKED

Altimeters SET/CROSS CHECKED

Flight Directors CHECKED/SET

Autopilot OFF/ LIGHT OUT)

T.O. Briefing COMPLETE

**TAXI**

Parking Brake OFF

Taxi Light ON

Brakes No 2 & No1 CHECKED/ #1 ON

Slats/Flaps CYCLED/SET FOR T.O.

Thrust Reverser CHECKED/STOWED

Flight Controls CHECKED

APU Shutdown PER MANUFACTURER

APU Master (Zero RPM) PUSHED

**BEFORE TAKEOFF**

Parking Brake IN/ LIGHT OUT

Radar, Xpndr, TCAS ON/ AS REQUIRED

APU& Bleed air CONFIRM OFF

Exterior lights SET

STAF CHECK

Start Selectors AIR START/LIGHTS ON

Pitot Heats ON

Landing Light ON

Warning Panel / Flags CLEAR

Engine Instruments CHECK

RUNWAY\_ Heading ALT SEL

**AFTER TAKEOFF**

LDG Gear/ Taxi Light/ YD UP OFF ON

Slats & Flaps CLEAN

Anti-ice AS REQUIRED

Start Selectors GROUND START

Cabin Pressure CHECK

Cabin Temp CHECKED

Hydraulics CHECK

Climb Power CHECK

**10K CHECKS**

Lights SET

No Smoking Seat Belts AS REQUIRED

Stby Hyd Pmp AUTO

**18K CLIMB/ CRUISE/ STATION**

Masks/ Oxy CHECK

Altimeters 29.92

Circuit Breakers CHECK

Gen/ Volts/Amps CHECK

Fuel Panel CHECK

Anti-ice system AS REQUIRED

Ext Lts. / S. Belts/ No Smoking AS REQUIRED

Engine Parameters CHECK

Cabin Press / Temp CHECK

Hydraulics CHECK

**DESCENT**

Cabin Door Curtain AS Required

Cabin Controller SET

Anti-icing. AS REQUIRED

Land Data/ Bugs COMPLETE / SET

ATIS GET

Risk Assessment Brief

Fuel Panel XFR Intercom/X-feed CLOSED

**18K DESCENT/ APPROACH**

Altimeters (at transition) SET/CROSS CHECK

Circuit Breakers CHECK

Gen/ Volts/Amps CHECK

Anti-ice AS REQUIRED

Ext lights/ Belts/ Smoke Lights AS REQUIRED

Engine Parameters CHECK

Cabin Press / Temp CHECK

Hydraulics/ STBY Pump CHECK/ON

FMS/Avionics CHECK/ SET

Radio Altimeter SET

Approach Brief Complete

Crew/ PAX Brief Complete

Start Selectors AIR START/IGN ON

**BEFORE LANDING**

Landing Gear/ Anti-skid DOWN / CHECK

Brake selector #1 ON

Slats–Flaps LDG POSITION

Airbrakes IN/LIGHTS OUT

Yaw Damper AS REQUIRED

LDG Light AS DESIRED

Warning Panel CHECK

Hydraulics CHECK

Test Stall STALL 1/Stall 2 TESTED

Auto Slat Light Out

Auto Pilot OFF

Taxi Light ON Cleared to land

**AFTER LANDING**

Thrust Rev STOWED

Pitot/ Windshield Heat ALL OFF

Ignition GRD START

Air Brakes 0

Slats/ Flaps CLEAN

Bus Tie TIED

APU (as applicable) MASTER/ START

Anti-ice WING OFF/ ENG AS REQ

Landing Lights, Strobes OFF

Trim SET FOR T.O.

Radar / Transponder OFF / AS REQUIRED

APU Bleed air AS REQUIRED

**PARKING**

Parking Brake SET

Taxi Light OFF

ST-BY Pump OFF

Engines CUTOFF

Seat Belts/ No Smoking AS REQUIRED

Boost Pumps AS REQUIRED

Anti Collision Light OFF

Transponder STBY

Flight time/ fuel burn RECORD

**SHUTDOWN**

Parking Brake AS REQUIRED

ST-BY Pump OFF

ENG Stby BAT, Stby Hrzn OFF

IRS’s OFF

Inverters OFF

EFIS OFF

Emer bat, USB, Satcom, Wi-Fi, Cabin, OFF

FMS/ Avionics Masters OFF

APU SHUTDOWN

Transfer Pumps OFF

Boost Pumps (3) OFF

NAV Lights OFF

Seatbelt/ Emer Lights/ cabin OFF

Emergency Horizon CAGED

Emerg Batts OFF

Interior lights SET

Bus Tie FLIGHT NORMAL

Bus C & D OFF

Cabin Lights OFF

APU Master OFF

Pilot window CLOSED

BAT 1 and BAT 2 OFF

Chocks / Park Brake IN / RELEASE

**QUICK TURN**

FMS Flight time / Fuel RECORD / ZERO

Clocks ZERO

Fuel Quantity / Counters CHECKED / ZERO

Cabin Press SET

ATC Clearance and Code COPY AND SET

FMS Avionics LOAD/SET

TOLD /Speeds COMPLETE/ SET

Engines START

Bus Tie FLIGHT NORM

Generator Amps CHECK

Windshield Heats ON

Anti-ice AS REQ

Warning Panel CHECK

Slats–Flaps SET FOR TAKEOFF

**§ 91.519 Passenger briefing.**

**(1)** ***Smoking***  Regulations require compliance with signs and [crewmember](https://www.law.cornell.edu/definitions/index.php?width=840&height=800&iframe=true&def_id=d3d24a831020443b5f202a681f24e446&term_occur=999&term_src=Title:14:Chapter:I:Subchapter:F:Part:91:Subpart:F:91.519) instructions

No smoking in lavatories,

***safety belts and shoulder harnesses.***

Taxi, Takeoff ,and landing when the signs lit and anytime your in your seat or when a crew member instructs you to..

**passenger entry door and emergency exits;**

**survival equipment;**

**Ditching procedures**

**flotation equipment**

**emergency use of oxygen equipment**

supplemental printed cards -

**have an** **emergency exits diagram** and instructions

Other instructions in **use of emergency equipment.**