

## **Pre-Start Checklist**

Parking Brake SET  
Throttle IDLE  
Fuel Flow CUTOFF  
BATT Master Switch ON  
Panel Lights ON if required  
Hydraulic Pump Switches ON  
Landing Gear Lever CHECK DOWN  
Flaps UP  
Spoiler RETRACTED  
APU START / CHECK RUN  
APU Gen ON / CHECK VOLTS  
Fuel Quantity CHECK  
Pitot Heat / De-Ice OFF  
Aircraft Lighting OFF  
Flight controls FREE AND CORRECT  
Passenger Signs OFF  
Check Weather (Atis, Flight Services)  
De-Ice TEST/CHECK

### ***Request Clearance***

Transponder STANDBY  
Beacon / Anti Collision Lights ON

## **Startup Checklist**

Thrust Levers IDLE  
Engine Area CLEAR  
Engine Start Switches GND / IGN BOTH  
Fuel Pump Switches ON  
Left Engine  
Master Starter Switch ON  
At N2 > 20% Fuel Flow CHECK ON  
N1 increasing as N2 incr. CHECK  
Oil Pressure CHECK  
Generator Switch ON  
Repeat for right Engine  
Fuel Pump Switches OFF  
APU Gen, APU OFF

## **Before Taxi Checklist**

Nav Lights ON  
Taxi Lights ON  
Heading Indicator/Altimeters SET  
Standby Instruments SET  
Radios and Avionics SET FOR DEPARTURE  
Autopilot ON, SET, don't activate  
Autothrottle ON, SET, don't activate  
F/D ON  
Autobrake RTO  
Elevator Trim SET for takeoff

### ***Request Taxi Clearance***

## **Taxi Checklist**

Parking Brake RELEASE

Taxi to assigned runway SPEED Max. 20 knots

Brakes/Gyro/Turn Coordinator CHECK during taxi and turns

## **Before Take-off Checklist**

Parking Brake SET

Throttle IDLE

Elevator Trim SET for takeoff

Flaps 5 deg

Spoilers RETRACTED

Flight Instruments CHECK

Engine Instruments CHECK

Takeoff Data (V1, VR, V2) CHECK

Nav Equipment CHECK

Landing Lights ON

Taxi Lights OFF

Strobe Light ON

Pitot Heat ON

De-Ice AS REQUIRED

Transponder ON

***Request Takeoff Clearance***

## **Take-off Checklist**

Smoothly increase thrust to 60% N1 let spool up

Takeoff Thrust FULL or TO/GA

Brakes RELEASE

V1 = 145 KIAS (decision)

Vr = 150 KIAS (rotate)

Pitch 10 deg. nose up

V2 = 160 KIAS (safety speed)

At Positive Climb Rate Touch Brakes

Landing Gear RETRACT

At 1000' AGL RETRACT Flaps to 1 deg

At 210 KIAS RETRACT flaps up

## **Climb-out Checklist**

Throttle AS REQUIRED  
Trim for 250 KIAS / 1800 fpm  
Autopilot/Autothrottle CHECK and ACTIVATE  
Autobrake OFF  
Below 10000' max. speed 250 KIAS  
***ATC AS REQUIRED***  
Fasten Seat Belts OFF  
No Smoking Sign OFF  
Landing Lights OFF  
Above 10000' speed 280 KIAS

## **Cruise Checklist (above FL 180)**

At Transition Altitude (FL180) set Altimeter to 29,92" (1013mb)  
Accelerate to cruise speed FL180 0.67 mach (330 KIAS)  
FL240 0.75 mach (330 KIAS)  
FL280 0.78 mach (320 KIAS)  
FL330 0.78 mach (285 KIAS)  
Engine+Instruments CHECK  
Fuel Quantity CHECK  
Radios TUNED and SET  
Autopilot CHECK and SET  
Lights as required

## **Descent Checklist**

Atis/Airport Information CHECK  
Altimeter CHECK  
Radios SET  
De-Ice AS REQUIRED  
Descent Speed to FL240 0.75 mach  
to FL180 0.65 mach  
At Transition Altitude (FL180) reset Altimeter to local  
to FL120 280 KIAS  
below 10'000ft 250 KIAS  
Fuel Quantities and Balance CHECK  
Flaps / Landing Gear CHECK UP  
Check Weather (ATIS, Flight Services)

## **Approach Checklist**

### ***Localizer Level Flight :***

Fasten Seat Belts ON  
No Smoking Sign ON  
APU START / CHECK RUN  
APU Gen ON / CHECK VOLTS  
Avionics + Radios SET  
Speed: Establish 210 KIAS  
Landing Lights ON  
Auto Spoilers ARM  
Autobrake SET  
Flaps 5-10 degrees  
Speed: Establish 175 KIAS  
Flaps 15-20 degrees  
Speed: Establish 155 KIAS  
Landing Gear DOWN  
Turning toward runway: set flaps 30 degrees or FULL

### ***Final Glideslope Descent :***

Speed Establish 140 KIAS  
Parking Brake VERIFY OFF  
De-Ice AS REQUIRED

## **Landing Checklist**

Landing Gear CHECK DOWN  
Autopilot and Autothrottle OFF  
Landing Speed 135 KIAS  
After touchdown Apply Reverse Thrust, at  
60 kts: Cancel Reverse Thrust  
Spoilers VERIFY EXTENDED  
Brakes AS REQUIRED

## **Taxi To Ramp**

Strobe Light OFF  
Flaps UP  
Spoilers RETRACTED  
Taxi Lights ON  
Landing Lights OFF  
Speed Max. 20 knots  
Transponder 1200 / OFF  
Elevator Trim TAKEOFF SETTING

## **Shutdown Checklist**

Parking Brake SET  
Throttle IDLE  
Passenger Signs OFF  
Pitot Heat / De-Ice OFF  
Taxi Lights OFF  
Nav Lights OFF  
F/D OFF  
Master Starter Switches OFF  
Beacon / Anti Collision Lights OFF  
Hydraulic Pump Switches OFF  
APU Gen, APU OFF  
BATT Master Switch OFF

## **Securing Aircraft**

Parking Brake Verify SET  
Throttle Verify IDLE  
All Switches Verify OFF