Pre-Start Checklist
Parking Brake SET
Throttle IDLE
Fuel Flow CUTOFF
BATT Master Switch ON
Panel Lights ON if required
Landing Gear Lever CHECK DOWN
Flaps UP
Spoiler RETRACTED
Fuel Quantity CHECK
Pitot Heat / Anti-Ice OFF
Flight controls FREE AND CORRECT
Fasten Seat Belts ON
No Smoking Sign ON
Elevator Trim TAKEOFF SETTING
Avionics ON
FMC CPU1/CPU2 ON
Check Weather (Atis, Flight Services)
Anti-Ice TEST/CHECK
Request Clearance
Transponder STANDBY
Beacon ON

Startup Checklist
Thrust Levers IDLE
Engine Area CLEAR
Fuel Flow Switches ON
APU Switch ON
wait until "ON" light turns on, set APU to START
Central Engine Starter Switch Pos. 1
Start Button Engine 1 START (hold until engine starts)
Central Engine Starter Switch Pos. 2
Start Button Engine 2 START (hold until engine starts)
Central Engine Starter Switch CENTER POSITION
APU Switch ON

Before Taxi Checklist
Nav Lights ON
Taxi Lights / Runway Turnoff Lights ON
Heading Indicator/Altimeters SET
Radios and Avionics SET FOR DEPARTURE
Autopilot SET, ARM, don't activate
Autothrottle SET, ARM, don't activate
F/D ON
Yaw Damper ON
Autobrake RTO
Request Taxi Clearance

Taxi Checklist

Parking Brake RELEASE
Brakes CHECK during taxi
Directional Gyro / Turn Coordinator PROPER IND. during turns
Artificial Horizon ERECT during turns
Taxi to assigned runway SPEED Max. 20 knots

Before Take-off Checklist

Parking Brake SET
Throttle IDLE
Elevator Trim SET for takeoff
Flaps 10 deg
Spoilers RETRACTED
Flight Instruments CHECKED
Engine Instruments CHECK
Takeoff Data (V1, VR, V2) CHECK
Nav Equipment CHECK
Landing Lights ON
Ta xi Lights / Runway Turnoff Lights OFF
Strobe Light ON
Pitot Heat ON
Anti-Ice AS REQUIRED
Transponder ON
Request Takeoff Clearance

Take-off Checklist

Smoothly increase thrust to 40% N1 let spool up
Takeoff Thrust FULL or TO/GA
Brakes RELEASE
V1 = 450 KIAS (descision)
Vr = 145 KIAS (rotate)
Pitch 10 deg. nose up
V2 = 150 KIAS (safety speed)
At Positive Climb Rate Touch Brakes
Landing Gear RETRACT
At 180 KIAS (V2 + 30) RETRACT Flaps to 5 deg
At 210 KIAS (V2 + 60) 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
Above 10000' speed 300 KIAS
Landing Lights OFF

Cruise Checklist (above FL 180)

At Transition Altitude (FL180) set Altimeter to 29,92" (1013mb)
Accelerate to cruise speed FL180 0.68 mach (332 KIAS)
FL240 0.75 mach (330 KIAS)
FL280 0.80 mach (325 KIAS)
FL330 0.80 mach (292 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
Anti-Ice AS REQUIRED
Descent Speed to FL240 0.78 mach
to FL180 0.68 mach
At Transition Altitude (FL180) reset Altimeter to local
to FL120 300 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
Avionics + Radios SET
Speed: Establish 220 KIAS
Landing Lights ON
Flaps 5 degree
Speed: Establish 200 KIAS
Auto Spoilers ARM
Autobrake SET
Flaps 10-15 degrees
Speed: Establish 180 KIAS
Flaps 20 degrees
Speed: Establish 165 KIAS
Landing Gear DOWN
Turning toward runway: set flaps 25 degrees or FULL
Final Glideslope Descent:
Speed Establish 155 KIAS
Elevator Trim AS DESIRED
Parking Brake VERIFY OFF
Anti-Ice AS REQUIRED

Landing Checklist

Autoland Available ?
Landing Gear CHECK DOWN
Autopilot and Autothrottle OFF
Landing Speed 145 KIAS
After touchdown Apply Reverse Thrust, at
60 kts: Cancel Reverse Thrust
Spoilers VERIFY EXTENDED
Brakes AS REQUIRED
Autobrake OFF

Taxi To Ramp

Strobe Light OFF
Flaps UP
Spoilers RETRACTED
Taxi Lights / Runway Turnoff 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 OFF
Anti-Ice OFF
Taxi Lights / Runway Turnoff Lights OFF
Nav Lights OFF
F/D OFF
Avionics OFF
Fuel Flow OFF
Beacon OFF
Panel Lights OFF
BATT Master Switch OFF

Securing Aircraft

Parking Brake Verify SET
Throttle Verify IDLE
All Switches Verify OFF