Boeing 727-200
Microsoft Flight Simulator 2004

Aircraft: Mike Stone & Mario Coelho
Panel: Ken Mitchell

Werner Schott
Switzerland
w.schott@abbts.ch

Pre-Start Checklist

- Parking Brake: SET
- Throttle: IDLE
- Fuel Flow: CUTOFF
- BATT Master Switch: ON
- Landing Gear Lever: CHECK DOWN
- Flaps: UP
- Spoiler: RETRACTED
- Fuel Quantity: CHECK
- Pitot Heat: OFF
- Aircraft Lighting: OFF
- Flight controls: FREE AND CORRECT
- Avionics: ON
- Fasten Seat Belts: ON
- No Smoking Sign: ON
- Check Weather: (Atis, Flight Services)
- De-Ice: TEST/CHECK

Request Clearance
- Transponder: STANDBY
- Beacon: ON

Startup Checklist

- Engine/Throttle Panel: ACTIVATE
- Thrust Levers: IDLE
- Engine Area: CLEAR
- Eng 3 Start Switch: START
  - At N2 > 20% Fuel Flow Eng 1: ON
  - N1 increasing as N2 incr.: CHECK
- Oil Pressure: CHECK
- Repeat for Eng 1 & 2
- Alt/Generator Switches: ON
- Aircondition fan: ON

Securing Aircraft

- Parking Brake: Verify SET
- Throttle: Verify IDLE
- All Switches: Verify OFF
Landing Checklist

Autoland
Available?
Landing Gear
CHECK DOWN
Autopilot
OFF
Landing Speed
130 KIAS
After touchdown
Apply Reverse Thrust, at
60 kts: Cancel Reverse Thrust
V E R I F Y E X T E N D E D
Spoilers
AS REQUIRED
Brakes

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
Aircondition fan
OFF
Pitot Heat
OFF
De-Ice
OFF
Taxi Lights / Runway Turnoff Lights
OFF
Nav Lights
OFF
F/D
OFF
Avionics
OFF
Fuel Flow
OFF
Alt/Generator Switches
OFF
Engine Start Switches 1 – 2 – 3
VERIFY OFF
Beacon
OFF
BATT Master Switch
OFF

Before Taxi Checklist

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

Request Taxi Clearance

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 / Runway Turnoff Lights
OFF
Strobe Light
ON
Pitot Heat
ON
De-Ice
AS REQUIRED
Transponder
ON

Request Takeoff Clearance
**Take-off Checklist**

Smoothly increase thrust to 40% N1 let spool up
**Takeoff Thrust**

**Brakes**

V1 = 140 KIAS (descension)

Vr = 145 KIAS (rotate)

Pitch
10 deg. nose up

V2 = 150 KIAS (safety speed)

At Positive Climb Rate

Landing Gear

At 190 KIAS

At 210 KIAS

**Climb-out Checklist**

Throttle

AS REQUIRED

Trim for

250 KIAS / 1800 fpm

Autopilot

CHECK and ACTIVATE

Below 10000' max. speed

250 KIAS

**ATC**

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

29.92" (1013mb)

FL180 0.68 mach (330 KIAS)

FL240 0.78 mach (335 KIAS)

FL280 0.80 mach (325 KIAS)

FL330 0.80 mach (295 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 0.78 mach

to FL180 0.68 mach

At Transition Altitude (FL180) reset Altimeter to local

to FL120 300 KIAS

down 10'000ft 250 KIAS

**Fuel Quantities and Balance**

CHECK

**Check Weather**

(at ATIS, Flight Services)

**Approach Checklist**

Localizer Level Flight :

Fasten Seat Belts

ON

No Smoking Sign

ON

Avionics + Radios

SET

Speed: Establish

210 KIAS

Landing Lights

ON

Auto Spoilers

ARM

Flaps

2 degrees

Speed: Establish

190 KIAS

Flaps

5 degrees

Speed: Establish

160 KIAS

Flaps

15 degrees

Speed: Establish

150 KIAS

Flaps

25 degrees

Landing Gear

DOWN

Turning toward runway: set flaps

30 degrees or FULL

**Final Glideslope Descent :**

Speed Establish

140 KIAS

Elevator Trim

AS DESIRED

Parking Brake

VERIFY OFF

De-Ice

AS REQUIRED