

Dash 7

Microsoft Flight Simulator X

Aircraft design : by Milton Shupe
Textures : by Joao Paz
Panel : by Scott Thomas
Sounds : by Aaron Swindle



Foto: Jason Pineau



Werner Schott
Switzerland
w.schott@bluewin.ch



Foto: Chris Waser

Pre-Start Checklist

Parking Brakes	SET
Battery Switch / Generator Switches	OFF
Throttle	IDLE
Landing Gear Lever	CHECK DOWN
Flight Idle Gate Lever	OFF
Propeller	FEATHER
Condition Levers	FUEL SHUTOFF
Flaps	UP
Battery Switch	ON
Panel Lights	ON if required
Fuel Quantity	CHECK
Flight controls	CHECK
Avionics Master Switch	ON
Check Weather	(ATIS, Flight Services)
Anti-ice Switches	TEST/CHECK
<i>Request Clearance</i>	
Transponder	STANDBY
Beacon	ON

Startup Checklist

Engine and Propeller Area	CLEAR
Throttle	IDLE
Flight Idle Gate Lever	ON
Engine Ignition Switches	CHECK ON
Propeller	CHECK FEATHER
Fuel Pumps	CHECK ON
Propeller	HIGH RPM
Ignition Master Switch	ON (START)
Engine Start Sequence : 1 - 2 - 3 - 4	
Select Engine, Start Button	PRESS (no need to hold)
ITT and N1 Turbine RPM	MONITOR
Generator	ON
Engine Select	OFF
Ignition Master Switch	NORMAL
Generator Annunciators	EXTINGUISHED
Engine Instruments	CHECK



Taxi To Ramp

Strobes	OFF
Taxi Lights	ON
Landing Lights	OFF
Flaps	RETRACT
Anti-ice	OFF
Spoilers	RETRACT
Transponder	1200
Speed	Max. 20 knots
Elevator Trim	TAKEOFF SETTING
Avionics/Radios	AS REQUIRED

Shutdown Checklist

Parking Brake	SET
Throttle	IDLE
Pitot Heat	OFF
Avionics Switch	OFF
Taxi Lights	OFF
Nav Lights	OFF
Propeller	FEATHER
Flight Idle Gate Lever	OFF
Condition Levers	FUEL SHUTOFF
Beacon	OFF
Generator Switches	OFF
Panel Light	OFF
Battery Switch	OFF when N1<15%

Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF

Before Taxi Checklist

Nav Lights	ON
Taxi Lights	ON
Heading Indicator	SET
Altimeter	SET
Instruments	NORMAL OPERATION
Radios and Avionics	CHECKED and SET
Autopilot	SET and OFF

Request Taxi Clearance

Taxi Checklist

Parking Brake	RELEASE
Brakes	CHECK during taxi
Directional Gyro	PROPER IND. during turns
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
Fuel Quantity	CHECK
Throttle	IDLE
Elevator Trim	SET for takeoff
Flaps	SET 25 deg
Flight Controls	FREE AND CORRECT
Engine/Flight Instruments	CHECK
Radios and Avionics	SET
Landing Lights	ON
Taxi Lights	OFF
Strobe Light	ON
Pitot Heat	ON
Anti-Ice	AS REQUIRED
Propeller	HIGH RPM
Annunciator Lights	CHECK
Transponder	ON

Request Takeoff Clearance

Take-off Checklist

Smoothly increase thrust to	FULL
Brakes	RELEASE
V1 =	75 KIAS (descision)
Vr =	80 KIAS (rotate)
Pitch	8 degrees
V2	85 KIAS (safety speed)
At Positive Climb Rate	Touch Brakes
Landing Gear	RETRACT
Flaps	15 deg
Trim for climb to maintain	120 KIAS Torque 75
At 500' AGL	RETRACT FLAPS
Pitch	10-15 degrees
Annunciator Lights / Engine Instruments	CHECK

Climb-out Checklist

Autopilot	CHECK and SET
Landing Lights	OFF
Airspeed	150 KIAS Torque 85
Climb Rate	approx. 1200 fpm
Engine Instruments	MONITOR
ATC	AS REQUIRED
At Transition Altitude (FL180) set Altimeter to 29,92" (1013mb)	

Cruise Checklist

Accelerate to cruise speed	195 KIAS Torque 80
Vmax	225 KIAS
Service Ceiling	21'000 ft
Engine+Instruments	CHECK
Engine Temperatures	STABILIZE at cruise cond.
Fuel Quantity	CHECK
Radios	TUNED and SET
Autopilot	CHECK and SET
Lights	as required
Engine Instruments	CHECK

Descent Checklist

Atis/Airport Information	CHECK
Altimeter	CHECK
Radios	SET
Descent Speed	160 KIAS Torque 18
Flaps / Landing Gear	CHECK UP
Fuel Balance	CHECK
At Transition Altitude (FL180) reset Altimeter to local	
Check Weather	(ATIS, Flight Services)

Approach Checklist

Localizer Level Flight :

Propeller	HIGH RPM
Auto Spoilers	ARM
Speed: Establish	140 KIAS Torque 38
Flaps	SET 15 deg
Speed: Establish	120 KIAS Torque 40
Flaps	SET 25 deg Torque 45
Landing Lights	ON
Landing Gear	DOWN
Turning toward runway: set flaps	45 deg

Final Glideslope Descent :

Speed: Establish	100 KIAS Torque 32
Elevator Trim	AS DESIRED
Parking Brake	VERIFY OFF
Anti-ice	AS REQUIRED

Landing Checklist

Autopilot	OFF
Autothrottle (IAS)	OFF
Landing Speed	90 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL
Spoilers	VERIFY EXTENDED
After touchdown	Apply Reverse Thrust, at 50 kts: Cancel Reverse Thrust