



Cessna Citation X

Microsoft Flight Simulator 2004

Aircraft and Panel: Eaglesoft Development Group

URL: <http://www.eaglesoftdg1.com>



Foto: Cessna



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Takeoff:

The speeds and flap settings are based on a Cessna Citation X starting with
~ 33'000 lbs TOW (75% fuel, 1320lbs payload, 4 passengers
→ ~ 90% MTOW); airport elevation <2500'

Approach and landing:

The speeds and flap settings are based on an approaching and landing with
~ 26'000 lbs LW (25% fuel, 1320lbs payload, 4 passengers
→ ~ 90% MLW); airport elevation <2500'

Pre-Start Checklist

| | |
|----------------------------|-------------------------|
| Exterior Inspection | DONE |
| Cockpit + Cabin Inspection | DONE |
| Parking Brakes | SET |
| Throttle | CUTOFF |
| Fuel Switch L/R | CUTOFF |
| Cockpit Switches | |
| EMERG LT | ARM - CHECK - OFF |
| DAY/NIGHT DIM | AS REQUIRED |
| Fuel Crossfeed | OFF |
| GRVTY XFLOW | OFF |
| CTR WING XFER | NORM |
| LOAD SHED | NORM |
| Generators | GEN |
| Batteries | OFF |
| Ext. Pwr. | OFF |
| Avionics & EICAS | OFF |
| Fuel Boost | NORM |
| Ignition | NORM |
| Standby Power | TEST, then ON |
| Landing Gear Lever | CHECK DOWN |
| Anti-Ice Switches | all OFF or NORM |
| Antiskid | NORM |
| Hydraulic Pumps | A AUX OFF A & B NORM |
| Exterior Lights | OFF |
| CABIN DUMP | Red Guard down |



| | |
|---------------------------|--------|
| Aircondition | OFF |
| Avionics & EICAS | OFF |
| Taxi Lights | OFF |
| Nav Lights | OFF |
| Fuel Switch L/R | CUTOFF |
| Emergency Light | OFF |
| GRVTY XFLOW | OFF |
| APU | OFF |
| Beacon | OFF |
| Panel / Instrument Lights | OFF |
| Battery 1 & 2 | OFF |

Securing Aircraft

| | |
|---------------|---------------|
| Parking Brake | Verify SET |
| Throttle | Verify CUTOFF |
| All Switches | Verify OFF |



| | |
|---------------------|----------------|
| ISO VALVE CLOSE | Red Guard down |
| ALT SEL | NORM |
| MANUAL | NORM |
| PAC BLEED SELECT | NORM |
| WEMAC BOOST | OFF |
| MANUAL RATE Knob | min. |
| AUTO RATE Knob | aligned |
| ENG BLD AIR | HP/LP |
| CKPT & CAB PAC | ON |
| PAC ISOL VALVE | CLOSED |
| CKPT & CAB TEMP | AS DESIRED |
| APU Switches | OFF & NORM |
| ELT Beacon | ARMED |
| INTERIOR MASTER | Guard down |
| Secondary Trim | OFF |
| GND-IDLE | NORM |
| ENG SYNC | OFF |
| Taxi and Ldg Lights | OFF |
| IRS | OFF |

| | |
|------------------|-------|
| DC Load Shed | |
| LOAD SHED | EMER |
| Batt 1 & 2 | ON |
| Avionics & EICAS | ON |
| EMER BUS | CHECK |
| LOAD SHED | NORM |

| | |
|-------------------|---------------------------------|
| APU Start | |
| LH Fuel Boost | NORM |
| APU Gen | ON |
| Bleed Air | OFF |
| Starter Disengage | NORM |
| Master | ON |
| Test | PUSH & hold; CHECK |
| Voltage | CHECK min. 22V |
| APU START | START; CHECK |
| | wait for READY TO LOAD light ON |
| Amps | CHECK max. 300A |
| Bleed Air | ON |

| | |
|--|-------------------------|
| Fuel Quantity and Balance | CHECK |
| Hydraulics | CHECK |
| Flaps | UP |
| Spoilers | RETRACTED |
| PITOT/STATIC L&R | ON - CHECK CAS - OFF |
| Emer. Lights, Ext. Lights, Int. Lights | CHECK |
| Panel / Instrument Lights | ON if required |
| Trim System | CHECK |
| Elevator Trim | SET for takeoff |
| Warning System Rotary Test | TEST/CHECK |
| Fasten Seat Belts | ON |
| No Smoking Sign | ON |
| Yaw Dampers | ON |
| Flight controls | CHECK |
| Fuel Crossfeed | CHECK then OFF |
| EICAS | CHECK |
| Radios & Avionics | SET |
| Check Weather | (ATIS, Flight Services) |
| Anti-Ice | TEST/CHECK |

Request Clearance

| | |
|--------------------|----------------------|
| FMS | Initialize & program |
| V-speeds | SET/CHECK |
| Flight Instruments | CHECK |
| Transponder | STANDBY |
| Beacon | ON |

Startup Checklist

| | |
|------------------------------------|--------|
| Engine Area | CLEAR |
| Throttle | CUTOFF |
| Start Duct Pressure | CHECK |
| Right Engine | START |
| At Turb % > 20 Fuel Flow Right Eng | ON |
| Volts, Amps, Hydraulics | CHECK |
| Left Engine | START |
| At Turb % > 20 Fuel Flow Left Eng | ON |
| Volts, Amps, Hydraulics | CHECK |

| | |
|-----------------------------------|--------------------|
| Turning toward runway: set flaps | FULL DOWN (35 deg) |
| EICAS | CHECK |
| Final Glideslope Descent : | |
| Speed: Establish | 125 KIAS |
| Parking Brake | VERIFY OFF |
| Anti-Ice | AS REQUIRED |

Landing Checklist

| | |
|--------------------------|---|
| Landing Gear | CHECK DOWN, 3 GREEN |
| Autopilot / Autothrottle | OFF |
| Landing Speed | 120 KIAS |
| Touchdown | MAIN WHEELS FIRST |
| Landing Roll | LOWER NOSE WHEEL |
| Spoilers | VERIFY EXTENDED |
| Brakes | AS REQUIRED |
| After touchdown | Apply Reverse Thrust, at 60 kts: Cancel Reverse Thrust |

Taxi To Ramp

| | |
|----------------------------|-----------------|
| Strobe / Recognition Light | OFF |
| Taxi Lights | ON |
| Landing Lights | OFF |
| Flaps & Slats | UP |
| Spoilers | RETRACT |
| Anti-Ice | OFF |
| PITOT/STATIC | OFF |
| Radar & Transponder | STANDBY |
| Speed | Max. 20 knots |
| Elevator Trim | TAKEOFF SETTING |
| Avionics/Radios | AS REQUIRED |

Shutdown Checklist

| | |
|-----------------|-------------|
| Parking Brake | SET |
| Standby Power | OFF |
| Throttle | IDLE/CUTOFF |
| Passenger Signs | OFF |

| | |
|--------------------------------|---------------------------------|
| APU Start (below FL310!!!) | |
| LH Fuel Boost | NORM |
| APU Gen | ON |
| Bleed Air | OFF |
| Starter Disengage | NORM |
| Master | ON |
| Test | PUSH & hold; CHECK |
| Voltage | CHECK min. 22V |
| APU START | START; CHECK |
| | wait for READY TO LOAD light ON |
| Amps | CHECK max. 200A |
| Bleed Air | ON |
| 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 |
| Flaps / Landing Gear | CHECK UP |
| Spoilers | CHECK RETRACTED |
| Fuel Quantity & Balance | CHECK |
| Check Weather | (ATIS, Flight Services) |

Approach Checklist

Localizer Level Flight :

| | |
|-------------------|----------|
| Fasten Seat Belts | ON |
| No Smoking Sign | ON |
| Avionics + Radios | SET |
| Landing Lights | ON |
| Speed: Establish | 200 KIAS |
| Slats | DEPLOY |
| Speed: Establish | 180 KIAS |
| Auto Spoilers | ARM |
| Flaps | 5 deg |
| Speed: Establish | 140 KIAS |
| Flaps | 15 deg |
| Speed: Establish | 130 KIAS |
| Landing Gear | DOWN |

| | |
|--------------------|-------------|
| Throttle | IDLE |
| Aircondition | ON |
| Engine Instruments | CHECK |
| APU Bleed Air | |
| Bleed Air | OFF |
| Engine Bleed Air | CHECK |
| APU Bleed | AS REQUIRED |

Before Taxi Checklist

| | |
|------------------------------|---------------------|
| Nav Lights | ON |
| Taxi Lights | ON |
| Heading Indicator | SET |
| Altimeter | SET |
| Instruments | NORMAL OPERATION |
| Radios and Avionics | SET for DEPARTURE |
| Autopilot | SET, don't activate |
| Autothrottle | SET, don't activate |
| Flight controls | CHECK |
| Flaps | 5 deg |
| Spoilers | OUT then IN |
| Windshield & Engine Anti-ice | AS REQUIRED |
| Cabin Signs | CHECK |

Request Taxi Clearance

Taxi Checklist

| | |
|-------------------------|--------------------------|
| Parking Brake | RELEASE |
| Taxi to assigned runway | SPEED Max. 20 knots |
| Brakes | CHECK during taxi |
| Anti-Skid | CHECK |
| Thrust Reversers | CHECK and STOW |
| Directional Gyro | PROPER IND. during turns |
| Turn Coordinator | PROPER IND. during turns |
| Artificial Horizon | ERECT during turns |

Before Take-off Checklist

| | |
|----------------------------|------------------|
| Parking Brake | SET |
| Anti-Ice Systems | CHECK |
| Fuel Crossfeed | NORM |
| Fuel Quantity and Balance | RECHECK |
| Elevator Trim | SET for takeoff |
| EICAS | CHECK |
| Spoilers | RETRACTED |
| Flight Controls | FREE AND CORRECT |
| Engine Instruments | CHECK |
| Flight Instruments | CHECK |
| Takeoff Data (V1, Vr, V2) | CHECK |
| Radios and Avionics | SET |
| Landing Lights | ON |
| Taxi Lights | OFF |
| Strobe / Recognition Light | ON |
| Annunciator Lights | CHECK CLEAR |

Request Takeoff Clearance

| | |
|--------------|-------------|
| Radar | AS REQUIRED |
| Transponder | ON |
| PITOT/STATIC | ON |
| Anti-Ice | AS REQUIRED |

Take-off Checklist

| | |
|--------------------------------------|---------------------|
| Smoothly increase thrust to Throttle | 40% N1 let spool up |
| Brakes | Takeoff Thrust |
| V1 = | RELEASE |
| Vr = | 130 KIAS |
| Pitch | 130 KIAS |
| V2 = | 10-12 degrees |
| At Positive Climb Rate | 140 KIAS |
| Landing Gear | Touch Brakes |
| At 1'500 ft AGL | RETRACT |
| EICAS | RETRACT Flaps UP |
| Annunciator Lights/Eng. Instruments | CHECK NORMAL |
| | CHECK |

Climb-out Checklist

| | |
|-------------------------|---------------------|
| Trim for | 250 KIAS / 2200 fpm |
| Autopilot/Autothrottle | CHECK and ACTIVATE |
| Anti-Ice | AS REQUIRED |
| Fuel Transfer | CHECK |
| Below 10000' max. speed | 250 KIAS |

ATC

| | |
|--------------------|---------------------------|
| | <i>AS REQUIRED</i> |
| Fasten Seat Belts | OFF |
| No Smoking Sign | OFF |
| Above 10000' speed | 280 KIAS |
| Landing Lights | OFF |
| APU | OFF |

Cruise Checklist (above FL 180)

| | |
|--------------------------------|----------------------------------|
| At Transition Altitude (FL180) | set Altimeter to 29,92" (1013mb) |
| Accelerate to cruise speed | FL180 0.70 mach (345 KIAS) |
| | FL240 0.78 mach (345 KIAS) |
| | FL280 0.84 mach (345 KIAS) |
| | FL330 0.91 mach (340 KIAS) |
| | FL370 0.91 mach (305 KIAS) |
| | FL410 0.91 mach (280 KIAS) |
| | FL510 0.89 mach (215 KIAS) |
| Service Ceiling | |
| 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 |
| Windshield & Engine Anti-ice | AS REQUIRED |