



# McDonnell Douglas MD-11 Microsoft Flight Simulator 2004

Aircraft : by iFDG Alvaro Villegas; <http://ifdg.fsmagazine.nl/forum/>  
 Panel : by Alain Capt (ACSoft Productions); <http://www.acsoft.ch>



Foto: Boeing



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Other simulator checklists and other sim/real aviation items available for download at <http://www.faatest.com> and <http://www.faatest.com/downloads/simchecklists/simchecklists.html>

## Takeoff:

The mentioned speeds and flap settings are based on a MD-11 starting with ~ 90% MTOW; airport elevation <2500'

## Approach and landing:

The mentioned speeds and flap settings are based on a MD-11 approaching and landing with ~ 90% MLW; airport elevation <2500'

For more details and tips see readme's of aircraft and panel.

## Pre-Start Checklist

Parking Brake	SET
Throttle	IDLE
Fuel Flow	CUTOFF
BATT Switch	ON
Panel Lights	AS REQUIRED
Left/Right Computer CRT's	ON
APU	START
Aircondition fan	ON
BATT Switch	OFF
Crew Feature Button	ON/START
Landing Gear Lever	CHECK DOWN
Flaps	UP
Spoiler	RETRACTED
Fuel Quantity	CHECK "MTOW"
Pitot Heat / Anti-Ice	OFF
Aircraft Exterior Lighting	OFF
Flight controls	FREE AND CORRECT
Fasten Seat Belts	ON
No Smoking Sign	ON
Elevator Trim	TAKEOFF SETTING
Check Weather	(Atis, Flight Services)
Anti-Ice	TEST/CHECK
<b>Request Clearance</b>	
Transponder	STANDBY
Beacon	ON
Pushback Sequence	START

(Engine startup can be performed during or after pushback)

## Taxi To Ramp

Strobe Light	OFF
Flaps	CHECK UP
Spoilers	CHECK RETRACTED
Yaw Damper	OFF
Taxi Lights / Runway Turnoff Lights	ON
Landing Lights	OFF
APU	START
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
Anti-Ice	OFF
Taxi Lights / Runway Turnoff Lights	OFF
Nav Lights	OFF
F/D	OFF
BATT Switch	ON
APU	OFF
Fuel Flow	OFF
Beacon	OFF
CRT's	OFF
Left/Right Computer	OFF
Panel Lights	OFF
BATT Switch	OFF

## Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF

After intercepting the ILS vector (ILS heading and glideslope signal is active):

APPR/LAND button	ACTIVATE
Speed: Establish	220 KIAS
Landing Lights	ON
Flaps	1/7
Speed: Establish	210 KIAS
Flaps	2/7
Speed: Establish	200 KIAS
Flaps	3/7
Speed: Establish	190 KIAS
Flaps	4/7
Speed: Establish	180 KIAS
Flaps	5/7
Speed: Establish	170 KIAS
Auto Engines Reverse	ARM
Auto Airbrake	ARM
Throttle Levers	CHECK IDLE
Landing Gear	DOWN
Flaps	6/7 or full down

**Final Glideslope Descent :**

Speed Establish	160 KIAS
Elevator Trim	AS DESIRED
Parking Brake	VERIFY OFF

**Landing Checklist**

Landing Gear	CHECK DOWN
Landing Speed	155 KIAS

After touchdown Thrust Reversers, Airbrakes and Brakes are activated automatically.

At 60 kts, Reverse Thrust is cancelled and Airbrakes are retracted, Flaps up.

Autopilot/Autothrottle	CHECK DISENGAGED
Brakes	AS REQUIRED

**Startup Checklist**

Thrust Levers	IDLE
Engine Area	CLEAR
Aircondition fan	OFF
Engine Ignition Buttons A and/or B	ON
Engine Starting Sequence :	2 - 1 - 3
Eng 2 Start Button	START
At N2 > 20% Fuel Flow Eng 2	ON
N1 increasing as N2 incr.	CHECK
Eng 1 Start Button	START
At N2 > 20% Fuel Flow Eng 1	ON
N1 increasing as N2 incr.	CHECK
Eng 3 Start Button	START
At N2 > 20% Fuel Flow Eng 3	ON
N1 increasing as N2 incr.	CHECK
Aircondition fan	ON
APU	OFF

**Before Taxi Checklist**

Nav Lights	ON
Taxi 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

**Request Taxi Clearance**

**Taxi Checklist**

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

## Before Take-off Checklist

Parking Brake	SET
Throttle	IDLE
Elevator Trim	SET for takeoff
Flaps	3/7 or 4/7 depending runway length
Spoilers	RETRACTED
Flight Instruments	CHECKED
Radio Altimeter	RESET
DH	SET
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
Anti-Ice	AS REQUIRED
Transponder	ON
<b>Request Takeoff Clearance</b>	

## Take-off Checklist

Smoothly increase thrust to Takeoff Thrust	40% N1 let spool up
Brakes	85-95% N1
V1 =	RELEASE
Vr =	130 KIAS (descision)
Pitch	155 KIAS (rotate)
V2 =	10 deg. nose up
At Positive Climb Rate	175 KIAS (safety speed)
Landing Gear	Touch Brakes
At 200 KIAS (V2 + 25)	RETRACT
At 220 KIAS (V2 + 45)	RETRACT Flaps to 2/7
At 240 KIAS (V2 + 65)	RETRACT Flaps to 1/7
	RETRACT flaps up

## Climb-out Checklist

Throttle / Elevator Trim	for 250 KIAS / 2000 fpm
Autopilot/Autothrottle	CHECK and ACTIVATE
Below 10000' max. speed	250 KIAS

## ATC

Fasten Seat Belts
No Smoking Sign
Above 10000' speed
Landing Lights

## AS REQUIRED

OFF
OFF
310 KIAS
OFF

## Cruise Checklist (above FL 180)

At Transition Altitude (FL180) set Altimeter to	29,92" (1013mb)
Accelerate to cruise speed	FL180 0.75 mach (375 KIAS)
	FL240 0.80 mach (357 KIAS)
	FL280 0.82 mach (335 KIAS)
	FL330 0.83 mach (303 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 0.80 mach
	to FL180 0.72 mach
At Transition Altitude (FL180) reset Altimeter to local	to FL120 280 KIAS
	below 10'000ft 250 KIAS
Fuel Quantities and Balance	CHECK "MLW"
Flaps / Landing Gear	CHECK UP
Check Weather	(ATIS, Flight Services)

## Approach Checklist (full automatic landing)

### Localizer Level Flight :

Fasten Seat Belts	ON
No Smoking Sign	ON
Radios + Avionics	SET