



Airbus A319-100 (FT40)

Full-Flight Simulator

With our full-flight simulators we offer you a flight training that meets the latest technical standard and is tailor-made for the requirements of modern airlines. Naturally we adapt our simulators so that they reflect your fleet's systems environments and cockpit layouts as well as your airline's procedures. This enables you to orient your training to accord with your own line operations

Location

Lufthansa Aviation Training, Frankfurt (Simulator-ID: FT40)

Simulator

Simulator Manufacturer	CAE, Canada
In Service Date	June 2001
Aircraft Model	A319-100
Registration (Master Aircraft)	D-AILY
Product No.	MSN 875
Simulator Host Computer	IBM RISC System/6000 Model F50
Motion System	Series 600, 6 DOF, digital
Control Loading	digital

Aircraft System

Engine Version	General Electric CFM56-5A5, 23500 lbs T/O Thrust
Aerodynamic Data Revision	Aerospatiale D00211301
Auto Flight System	
FMGS	S7AC13, Thales Avionics/Smiths(Full GPS, Orig. a/c boxes)
FCU	M11, Thales Avionics Sa (Orig. a/c box)
FAC	CR102, Thales Avionics Sa (Software simulation)
MCDU	Thales Avionics/Smiths (Orig. a/c box)
Electronic Flight Control System	
ELAC	L93, Thales Avionics Sa (Orig. a/c boxes)
SEC	L123, Thales Avionics Sa (Orig. a/c boxes)
FCDC	L53, LITEF GmbH (Software simulation)
Electronic Instrument System	

DMC	V60, DIEHL AEROSPACE GmbH (Orig. a/c boxes)
FWC	H2F7, Airbus France (Orig. a/c boxes)
DU	FCD66, Thales Avionics Sa (Orig. a/c boxes)
SDAC	H1-D1, Airbus France (Software simulation)
TCAS II	7.1, Honeywell (Software simulation)
ACARS	AMU MK I, Honeywell International Inc. (Orig. a/c box)
APU	APS 3200, Hamilton Sundstrand Corp (Software simulation)
EGPWS	MK V, Honeywell International Inc. (Orig. a/c box)

Visual

Visual System Manufacturer	Evans & Sutherland
Type of Image Generator	EP-1000CT
Type of Display	CAE Wide Mirror 180x40 deg FOV, ESCP 2000 Projectors
Illumination Levels	Day/Dusk/Night/Dawn
Number of Airport Scenes	more than 90

Instructor Station

Display	2x15" LCD touch screens mounted on IOS seat (FFIOS)
Printer/Plotter	Monochrome Laser Printer
Number of Malfunctions	300
Automated Training Lessons	available on request for Base Check, Conversion, LOFT, Refresher
Landing Training	Individual definition of a generic airfield (RWY Characteristics: Length, Width, parallel RWY; RWY Lights: VLA, Appr. Lights)
Multiple Weather Simulation	Provides setting of individual weather conditions at different airports either by selection of a predefined weather scenario or by manual presetting.
Unusual Attitude Recovery Training	available
Predictive Windshear Scenarios	various FAA Windshear profiles available
Non-Predictive Windshear Scen.	various Windshear profiles for T/O and Landing available
TCAS	various scenarios with individual definition of intruder trajectory available
ATIS	available
Datalink (AOC)	various AOC scenarios available customized AOC applications on request
FMS Flight Plan Copy / Load	copy of entered flight plans and manual load of predefined flight plans on request
Debrief Station	Video and Audio Recording, basic Display and 3D- animation
Display Options	metric and/or imperial

Options

Provision of Customer Options on request

Electronic Flight Bag	Lufthansa Class II EFB
EGPWC	NO RAAS available

Qualifications

German LBA	JAA Level D, annually, according to JAR-STD 1A
EASA-ID	DE-1A-037

Simulator Fleet

At our locations in Frankfurt/Main, Berlin, Bremen, Munich, Essen, Vienna and Zurich about 40 full flight simulators reproducing more than 20 aircraft types are at your disposal for cockpit crew training.

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