



Full-Flight Simulator

AIRBUS A319-100 (FT40)

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	V70, 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
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	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