



Full-Flight Simulator

AIRBUS A340-600 (FT42)

Location Lufthansa Aviation Training, Frankfurt (Simulator-ID: FT42)

SIMULATOR	
Simulator Manufacturer	CAE, Canada
In Service Date	September 2002
Aircraft Model	A340-642
Registration (Master Aircraft)	D-AIHL
Product No.	MSN 583
Simulator Host Computer	IBM RISC System/6000 model F50
Motion System	Series 600, Hydraulic, Synergistic 6 DOF
Control Loading	Hydraulic Load Unit for Trim. Horizontal Stabilizer (THS)

AIRCRAFT SYSTEM	
Engine Version/FADEC STD.	Rolls-Royce RB211-Trent 556-61 FADEC/EEC Std. L5.6
Auto Flight System AFS	
FMGEC	Thales/Smith FMS2 Std. T2E7 (Rev 2+), (aircraft LRU) (OPC & AMI Databases: DLH Config.)
FCU	AB03, THALES AVIONICS, (aircraft LRU)
MCDU	BA01, THALES AVIONICS, (aircraft LRU)
Electronic Flight Control System (EFCS)	
FCPC (PRIM)	STD. W11, AIRBUS FRANCE, (SoftEFCS)
FCSC (SEC)	STD. B9, AIRBUS FRANCE, (SoftEFCS)
FCDC	STD. I4-3, THALES AVIONICS, (SoftEFCS)
PFTU	6259-2, SAGEM FRANCE, (aircraft LRU)
Fuel Control Manag. Computer (FCMC)	Flight Load 8.1, AIRBUS/PARKER HANNIFIN CORP
Electronic Instrument System (EIS2)	
DU	EIS2, LCD Technology with video capability, Thales Avionics, (aircraft LRU)
DMC	EIS2 L6-1, Thales Avionics, (aircraft LRU)
FWC	T4, AIRBUS FRANCE, (aircraft LRU)
SDAC	C7-0, AIRBUS FRANCE
BSCU	S3-C, MESSIER BUGATTI
ADIRS	LITTON -312 + Air Data Monitoring function BUSS of P/N -314
MMR	hosts GPS (Rockwell Collins)
Standby Instrument System	Integrated Standby Instrument System (ISIS) WB01
Weather Radar System	Dual Weather Radar with PWS, ROCKWELL COLLINS
EGPWS	MARK V, Honeywell (aircraft LRU)
TCAS II	Change 7.1 (Rockwell Collins)
ATSU (AOC/FANS)	FANS A, Airbus France, (aircraft LRU) CNS/ATM: Controller Pilot Data Link Communication (CPDLC) simulation available.
SATCOM	SDU, Rockwell Collins
TACS	Taxi Aid Camera System simulation available, CIU, (aircraft LRU)
EFB	Electronic Flight Bag Class 2 (Goodrich), (aircraft LRU)
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 100

INSTRUCTOR STATION	
Display	2 LCD touch screen monitors
Printer/Plotter	HP LaserJet 4M Plus, monochrome
Number of Malfunctions	300
Automated Training Lessons	Provision of customized Training Lessons on request.
Multiple Weather Simulation	Provides setting of individual weather conditions for different airports either by selection of a predefined weather scenario or by manual presetting
Predictive Windshear scenarios	Various FAA wind profiles available
Non-Predictive Windshear scenarios	Various Landing and T/O windshear profiles available
TCAS	various scenarios with individual definition of intruder trajectory available
Datalink (AOC/FANS)	Various AOC (ACARS) and CPDLC scenarios available
ATIS	ATIS integral part of Multiple Weather simulation
FMS Flight Plan Copy/Load	Automatic reload of entered Flight Plan after reposition to same airport. On request: manual load of predefined Flight Plans
Debrief Station	Video and Audio Recording, basic Display-animation
Display Options	Metric / Imperial / CIS
OPTIONS	
	Provision of Customer Options on request
Electronic Flight Bag	Lufthansa Class II EFB
EGPWC	RAAS activated
QUALIFICATIONS	
German LBA	JAA Level D, annually, according to JAR-STD 1A
EASA-ID	DE-1A-041