



Full-Flight Simulator

BOEING 737-800 (FT46)

Location Lufthansa Aviation Training, Berlin-Schoenefeld (Simulator-ID: FT46)

SIMULATOR	
Simulator Manufacturer	Thales, England
In Service Date	January 2005
Aircraft Model	737-800
Registration (Master Aircraft)	Thales Standard B737-800
Product No.	YC004
Simulator Host Computer	M2K, 6 DOF, digital, hydrostatic
Motion System	hydraulic, Series 500, 6 DOF, digital
Control Loading	digital, hydrostatic
AIRCRAFT SYSTEM	
Basic Engine Data	General Electric CFM 56-7B (27K)
Auto Flight System	Enhanced Digital Flight Control System
FMC	Dual FMC, General Electrics 10.8A, simulated (re-targeted)
TCAS II	Version 7.1 Collins (software solution)
ACARS	Allied Signal Avionics (software AMU)
EGPWC	Honeywell (hardware)
GPS	Honeywell (software)
Common Display System (CDS)	Honeywell, Block 06, simulated (re-targeted)
VISUAL	
Visual System Manufacturer	Evans & Sutherland

Type of Image Generator	EP-1000CT
Type of Display	TTS Wide Mirror 180x40 deg FOV, ESCP 2000 Projectors
Illumination Levels	Day/Dusk/Night/Dawn
Number of Airport Scenes	more than 90
INSTRUCTOR STATION	
Computer	PC based
Display	2 x 19" colour graphic LCDs with touch sensitive overlays
Printer/Plotter	Laser printer outside simulator
Number of Malfunctions	about 270, all abnormal checklists are covered
Automated Training Lessons	available on request, Profile mode
Predictive Windshear Scenarios	various profiles available (Microburst)
Non-Predictive Windshear Scenarios	various windshear profiles for T/O and Landing available (including FAA)
TCAS	TCAS II, Version 7.1 scenarios for all types of Traffic and Resolution Advisories
ATIS	Digital Voice System
Video	DVD Ram
Debrief Station/Video/Recording	Cockpit Crew Resource Management System
OPTIONS	
Common Display System	original OPC-diskette with all options can be loaded (i.e. X-bar / V-bar), Vertical Situation Display (VSD)
FMC	all FMC pins and OPC options available (i.e. various T/O thrust ratings) individual FMC-Nav-Databases can be loaded for each customer
Autoflight	all FCC pins available CATIIIb
EGPWC	all strapping available (i.e. callouts)
QUALIFICATIONS	
German LBA	JAA Level D, annually, according to JAR-STD 1A, Zero Flight Time
EASA-ID	DE-1A-048