



Full-Flight Simulator

BOEING 747-400 (FT48)

Location Lufthansa Aviation Training, Frankfurt (Simulator-ID: FT48)

SIMULATOR	
Simulator Manufacturer	Thales Training & Simulation Ltd.
In Service Date	September 2004
Aircraft Model	747-400
Registration (Master Aircraft)	D-ABVT
Product No.	RT446 (ex RM007)
Simulator Host Computer	Thales C2000X+, RACE 3++ Power PC boards (RISC)
Motion System	Thales Synergistic 6 DOF, digital, COSMOS M2k
Control Loading	digital

<b>AIRCRAFT SYSTEM</b>	
<b>Engine Version</b>	General Electric CF6-80C2-B1F (57900 lbs T/O thrust)
<b>Aerodynamic Data Revision</b>	Boeing Simulation Data Package
<b>Auto Flight System</b>	Collins DAFS
<b>Flight Management System</b>	Honeywell AFMS (retargeted)
<b>FCC</b>	Collins (Software Simulation)
<b>MCDU</b>	Honeywell (Orig. a/c boxes)
<b>APU</b>	PW901A
<b>TCAS II</b>	7.1, Honeywell (Software Simulation)
<b>EIU</b>	Collins (Orig. a/c box)
<b>DU</b>	CRT (Orig. a/c box)
<b>Fuel System</b>	Horizontal Stabilizer Fuel Tank
<b>ACARS</b>	Honeywell (Orig. a/c box)
<b>IRS</b>	Honeywell (Software Simulation)
<b>EGPWS incl. RAAS</b>	Honeywell (Orig. a/c boxes)
<b>SATCOM</b>	Rockwell Collins
<b>Weather Radar Control Panel</b>	Bendix (Orig. a/c box)
<b>Runway Guidance</b>	PVD
<b>VISUAL</b>	
<b>Visual System Manufacturer</b>	Evans & Sutherland
<b>Type of Image Generator</b>	EP-1000CT; Three channels
<b>Type of Display</b>	TTS Wide Mirror 200x40 deg FOV, ESCP 2000 Projectors
<b>Illumination Levels</b>	Day/Dusk/Night/Dawn
<b>Number of Airport Scenes</b>	initially 75, later more than 100

<b>INSTRUCTOR STATION</b>	
<b>Computer</b>	Industrial Pentium PC
<b>Display</b>	2x15" LCD with capacitive touch screens mounted on IOS seat (FFIOS)
<b>Printer/Plotter</b>	Monochrome/Color Laser Printer
<b>Number of Malfunctions</b>	300
<b>Automated Training Lessons</b>	available on request for Base Check, Conversion, LOFT, Refresher
<b>Landing Training</b>	Individual Definition of a generic airfield (RWY Characteristics: Length, Width, parallel RWY; RWY Lights: VLA, Appr. Lights)
<b>Multiple Weather Simulation</b>	Provides setting of individual weather conditions at different airports either by selection of a predefined weather scenario or by manual presetting
<b>Unusual Attitude Recovery Training</b>	available
<b>Predictive Windshear Scenarios</b>	various FAA windshear profiles available
<b>Non-Predictive Windshear Scenarios</b>	various windshear profiles for T/O and Landing available
<b>TCAS</b>	various scenarios with individual definition of intruder trajectory available
<b>ATIS</b>	available
<b>ACARS Scenarios</b>	various, customized datalink applications available on request
<b>OPTIONS</b>	
<b>Electronic Flight Bag</b>	Lufthansa Class II EFB
<b>Avionic Program Pin Control</b>	for FMC, EGPWS, AFCS, EIU, MAWEA
<b>IOS Display Options</b>	metric and/or imperial
<b>QUALIFICATIONS</b>	
<b>German LBA</b>	JAA Level D, annually, according to JAR-STD 1A, Amdt.3
<b>EASA-ID</b>	DE-1A-049