Flight Training Device

AIRBUS FTD A320-200 (FTD02)

Location Lufthansa Aviation Training, Vienna (Simulator-ID: FTD02)

SIMULATOR	
Simulator Manufacturer	L3 Commercial Training Solutions Limited
In Service Date	15.12.2020
Aircraft Model	A320-200 Generic Std. 2.0
Airbus Standard	2.0
Simulator Host Computer	Industrial Pentium PC with real-time simulation coprocessor PCB's each with up to 64 Mbytes local linked via a High Speed Serial Link (HSSL).
Motion System	N/A
Control Loading	Brunner Elektronik AG drive/actuator solution (CAN bus, CLS2SIM embedded IPC) for rudder pedals with toe brakes and trim horizontal stabilizer (THS)

AIRCRAFT SYSTEM	
Engine Version	
Primary Fit	CFM56-5B4, 27000 lbf rating, level/Std. 5BTF3
Secondary Fit	IAE V2527-A5, level/Std. SCN22
Aerodynamic Data Revision	MDL A320 Aerodynamic Model Status Of Compliance; Doc D00229502

Auto Flight System

FMGC	Simulated version of Thales Release 1A, CFM: STD S7APC16; P/N C13208AA05. IAE: STD S7API15; P/N C13208BA00
FCU	Simulated version of THALES EMM, level/Std. 4, reference P/N C12850AC03, Thales Avionics
MCDU	Simulated version of Honeywell, level/Std. V800, reference C19266EA01, HONEYWELL, Sim 701-915909-001

Electronic Flight Control System

ELAC	Simulated version of Thales Standard, STD L98H, S/W: 3945129110, Thales Avionics
SEC	Simulated version of Thales Standard, STD 126, P/N B372CAM0104, Thales Avionics
FCDC	Simulated version of Litef Standard, STD 59, P/N 115370-1521, LITEF
FAC	Simulated version of THALES, AA05, P/N C13206AA00, Thales Avionics
SFCC	Simulated version of DIEHL AEROSPACE (software simulation), STD 11, 200301E00000308, DIEHL AEROSPACE
BSCU	Simulated version of L4.10 (software simulation), L4.10, P/N E21327107, Messier Bugatti

Electr. Instrument System

DMC	Simulated version of EIS2 (Rehost) Standard STD13.2, P/N SXT4EXEESAX1320, Thales Avionics
FWC	Simulated version of STD H2-F9D P/N 350E053021818 Airbus France, (EADS Software Package)
DU	Six simulated Ethernet driven Display Units (EDU) manufactured by Driven Technologies
SDAC	Simulated version of STD H2-E4, P/N 350E5500206, Airbus France
APU	Simulated version of GTCP 131-9A, P/N 3800708-1 AMDTSS19, HONEYWELLGARETT
ADIRU	Simulated version of BLOCK III BE04, OPS S/W Std, L4.4, P/N HG2030BE04, Honeywell
MMR	Simulated version of MMR GLU 925 -430, P/N 822-1821-430, Rockwell Collins
EGPWC	Simulated version of Honeywell MKV-A, P/N 69000942-151, Honeywell
LGCIU	Simulated version of Crane Enhanced LGCIU, P/N 80-178-03-88013, Crane Aerospace & Electronics
Standby instrument system	Simulated version of Thales Avionics ISIS V2 (simulated instrument), EA01, P/N C16786EA01, Sim (replicated hardware)
TCAS II	Simulated version of Honeywell T3TCAS STD 2, P/N 940-0351-001, Honeywell

VISUAL

Visual System Manufacturer	Collins Aerospace

Type of Image Generator	Collins Aerospace EP8100 RSI CrossView ILite collimating display system
Type of Display	9 ft 200 deg horizontal by 40 deg vertical film mirror
Illumination Levels	Day/Dusk/Night/Dawn
Number of Airport Scenes	20 customized airport scenes and more than 200 generic airport scenes around the world

INSTRUCTOR STATION

Display	Three (3) 24" large, high resolution, color touch sensitive LCD panels mounted on an L3 supplied desk One wireless connected iPad 10.20" large
Printer/Plotter	B&W Laser Printer
Number of Malfunctions	> 200
Automated Training Lessons	Available on request for Base Check, MCC, Refresher
Landing Training	Individual definition of a generic airfield (RWY Characteristics: Length, Width, parallel RWY; RWY Lights: VLA, Appr. Lights)
Multiple Weather Simulation	Available, Storm generation scenario
Upset Prevention and Recovery Training (UPRT)	N/A
Predictive Windshear Scenarios	Various windshear profiles available
Non-Predictive Windshear Scenarios	Various windshear profiles for T/O and Landing available
TCAS	Various scenarios with individual definition of intruder trajectory available
ATIS	Available
FMS Flight Plan Copy / Load	Copy of entered flight plans and manual load of predefined flight plans on request
Debrief Station	N/A
Display Options	Metric and/or imperial

OPTIONS

	Provision of Customer Options on request

QUALIFICATIONS

Austro Control	EASA CS-FSTD(A) Issue 2, FTD Level 2 and FNPT II MCC
Austro Control-ID	AT-FTD-1239 /AT-FNPT-1240