



Flight Training Device

AIRBUS FTD A320-200 (FTD01)

Location Lufthansa Aviation Training, Zurich (Simulator-ID: FTD01)

| | |
|---------------------------|--|
| SIMULATOR | |
| Simulator Manufacturer | L3 Commercial Training Solutions Limited |
| In Service Date | 12.08.2020 |
| 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 I Lite 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 | |
| Swiss FOCA | EASA CS-FSTD(A) Issue 2, FTD Level 2 and FNPT II MCC |
| FOCA-ID | CH-209 / CH-339 |