

## FULL-FLIGHT SIMULATOR TECHNICAL SPECIFICATION



<b>SIMULATOR:</b>	<b>AIRBUS A320-200 SIM A</b>
Location	15 Changi Business Park Crescent #01-01 Haite Building (S) 486006
Simulator Manufacturer	CAE Inc. (7000 Series)
Date of into service	2015
Simulator Serial Number	2T5D-1223
Airbus Standard	Airbus Standard 1.8 Ceo
Simulator Host Computer	CompKit 2.1
Motion System	Moog, 6DOF, 60" Electromechanical Motion System
Sound System	Strive Sound, 11 Channels
Control Loading	Digital
<b>QUALIFICATION STANDARDS:</b>	
EASA	EASA CS-FSTD (A)
ICAO	ICAO Doc. Num. 9625
CCAR	CCAR-60 Level D
<b>AIRCRAFT SYSTEM:</b>	
Engine Version	
Primary Fit	CFM56 5B4
Secondary Fit	IAE V2527 A5
Aerodynamic Data Revision	Aerospatale: D00221302 Aerodynamic Specification D00622601 Inertia & Moment

Engine Model Revision:	<u>A320-214:</u> CFM 56-5B4 FADEC: 2A4251 Std 5BR EIU: Std V14, D73501001 EVMU: 241-246-022-004 <u>A320-232:</u> IAE V2527-A5 FADEC: 2A251 Std SCN20 EIU: V05, D73500503 EVMU: 241-247-012-005
Flight Controls Data Revision:	ELAC: Thales Avionics Standard L94 SEC: Thales Avionics Std 119 FCDC: LITEF Std 57 SFCC: LIE AC: Thales B397BAM0620 BSCU: Messier-Bugatti Std E21327006 L4.9B
Flight Management System:	FMGC: S5C12 (CFM) Rel 1A & S5I11 (IAE) Rel 1A MCDU: C19266DA011 (Thales Smith) FCU: Thales C12850AC03 FWC: H2-F5 DMC: 1982660116 SDAC: STD H2-E2 DU: C192982AF005 TCAS: 940-0300-001 EGPWC: 965-1676-003 EIS2: STD S9
<b>SIMULATOR AVIONICS:</b>	
Cockpit Display System:	Display Units (DU): Thales MPC19755BA01: Simulated  Processing Units (DMC): Thales 1982660116: Simulated
Autopilot	FCU: Thales C12850AC03: Aircraft HW
Weather Radar (WXR) :	WXR Transceiver: Rockwell Collins 822 1710 213: CAE Simulated  WXR Panel: Rockwell Collins 622 5130 820: CAE Simulated
Multifunction Control Display Units (MCDU):	MCDU: Thales C19266DA01: Simulated (tab 02, Symbolic Displays)
Navigation (DME, VOR, ADF, AHRS/IRS, ADS):	As per Airbus STD 1.8 product: CAE Simulated
Communication (VHF, HF):	As per Airbus STD 1.8 product CAE Simulated
Integrated Standby Instrument Systems (ISIS)	ISIS: Thales C16786EA01 CAE Simulated
EGPWS:	Sim (with RAAS): Honeywell 965 1676 003: CAE Simulated
Flight Warning Computer (FWC):	FWC: Airbus France 350E053020909: CAE Simulated
Traffic Collision Avoidance System	TCAS 7.1: Honeywell 940 0351 001: CAE Simulated
APU:	As per AI STD 1.8 product: CAE Simulated

## VISUAL

Visual System Manufacturer	CAE
Type of Image Generator	Tropos 6221XR
Projectors	3 Channel, Sony GH 10 HD (LCOS)
Type of Display	Mylar
Illumination Levels	Day/Dusk/Night/Dawn
FOV:	200 deg HFOV and 40 deg VFOV
Number of Airport Scenes	> 100. Per customer requirement.

## INSTRUCTOR STATION

Display	LCD touch screens
Number of Malfunctions	>200
Multiple Weather Simulation	available
Predictive Windshear	various windshear profiles
Non-Predictive Windshear	various windshear profiles for T/O and Landing
TCAS	various scenarios with individual definition of intruder trajectory available
ATIS	available
FMS Flight Plan Copy / Load	available
Debrief Station	CAE Debrief System
Display Options	metric and/or imperial
Prevention and Recovery Training (UPRT)	available

## OPTIONS

Provision of Customer Options on Request

## CERTIFICATION AUTHORITY

EASA	EUA0139
CAA Singapore	AWI/SIM/357
UK CAA	SV-830
CCA China	FSD F104
DGCA Brunei	BRN-011 SIN
CAA Vietnam	VN 021
DGCA India	FSTD2T5D