

AVIATION SAFETY AND TRAINING PTE LTD



FULL-FLIGHT SIMULATOR SPECIFICATIONS:

SIMULATOR:	AIRBUS A320-200 SIM B (NEO)
Location	15 Changi Business Park Crescent #01-01 Haite Building (S) 486006
Simulator Manufacturer	FlightSafety International Inc. (FS1000)
Date of into service	2019
Simulator Serial Number	5021
Airbus Standard	Airbus A320-200 NEO Std 2.0
Simulator Host Computer	Intel SR2600 Server 64 Bit Windows 10
Motion System	FSI 60" digital System Moog, 6DOF,
Sound System	FlightSafety Aural Que System 12 Channel
Control Loading	FSI Electric Digital System
QUALIFICATION STANDARDS:	
ICAO	ICAO 9625 4th Edition Level VII
CCAR	CCAR-60 Level D
AIRCRAFT SYSTEM:	
Engine Version	
Primary Fit	CFM LEAP-1A26

Secondary Fit	PW1127G-JM
Aerodynamic Data Revision	Airbus NFL - LS4J10005SL0400 Airbus Simulation Program: OSMA_V5.4.0 (AER_V4_21.6)
Ground Reactions Model:	Airbus NFL - LS4J10005SL0400 Airbus Simulation Program: OSMA_V5.4.0 (GRM_V4_6.7)
Flight Controls Model:	Airbus sEFCS rehost. P/N LS4010007BL0300 v07.03.00 and FSI-SS
Engine Model:	CFM LEAP-1A26 ENG SSP V01.00.00 P/N LS4A20101SL0000 PW1127G-JM ENG SSP V02.01.00 P/N LS4A20002SL0100

AVIONICS:

ATA	Description	Version/Part Number	Vendor
ATA 00	Natural Flight Loop	V5.4.0	AIRBUS
ATA 27 Electronic Flight Control System	Rehosted - Airbus sEFCS	P/N LS4010007BL0300 v07.03.00	AIRBUS
	ELAC Elevator Aileron Computers – (2)	P/N 394528216 Rev L98H	Thales Avionics
	SEC Spoiler Elevator Computers – (3)	P/N B372CAM0104 Rev 126E	Thales Avionics
	FCDC Flight Control Data Concentrator -	115370-1521 Rev 59	Litef
ATA 31 Electronic Instrument System (EIS) - S13.2	EIS - Display Unit - Simulated - (6)	C19298AF05	Thales Avionics
	EIS - Display Management Unit - Simulated - (3)	1982660116	Thales Avionics
ATA 32 Landing Gear System:	Brake Steering Control Computer:	BSCU Standard L4.9B	
AT 34 Navigation Avionics System:	Air Data Inertial Reference Unit (ADIRU) - STD L4.4 Simulated -	Honeywell HG2030AE23	Honeywell
	Air Data Module (ADM) - Simulated -	Honeywell PG1152BC02	Honeywell
	Traffic Collision Avoidance System II (TCASII) - Simulated -	Honeywell 940-0351-001	Honeywell
	Enhanced Ground Proximity Warning Computer (EGPWC) -Simulated -	96000940-106	Honeywell
	Radio Altimeter -	Simulated - 9599-607-14942	Thales Avionics
	Electronic Instrument System (EIS) - S13.2		
	EIS - Display Unit -	Simulated - (6) - C19298AF05	Thales Avionics
	EIS - Display Management Unit -	Simulated - (3) - 1982660116	Thales Avionics

ATA 22 Flight Management Guidance System	FMS: H2CPC16 (LEAP) H2CPI15 (PW)	Honeywell
	Rehosted - Flight Management Guidance Computer - FMS: S7APC16 (LEAP) S7API5 (PW)	GE
ATA 70 Engine Control Computers:	CFM LEAP-1A26 PW1127G-JM	
VISUAL		
Visual System Manufacturer	Rockwell Collins Inc	
Type of Image Generator	EP8100 Image Generator	
Projectors	RCI-JVC VS2300 (laser projector)	
Type of Display	FSI Crew View Glass	
Illumination Levels	Day/Dusk/Night/Dawn	
FOV:	3 Channels, 200 deg HFOV and 40 deg VFOV	
Number of Airport Scenes	> 70. 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		
Display Options	metric and/or imperial	
Prevention and Recovery Training (UPRT)	available, scenario-based training and IOS plots	
OPTIONS		
Provision of Customer Options on Request		
CERTIFICATION AUTHORITY		
CAAS	AWI/SIM/020	
CAAV	VN-044	
DGCA INDIA	FSTD5021	