

FULL-FLIGHT SIMULATOR TECHNICAL SPECIFICATION



SIMULATOR:	BOEING 737-800W
Location	Kunming, China.
Simulator Manufacturer	CAE Inc.
Date of into service	2015
Simulator Serial Number	2T4L-1217
Standard	B737-800W (7000R4 Series) based on YK131
Simulator Host Computer	CompKit 2.0
Motion System	Moog, 6DOF, 60" Electromechanical Motion System
Sound System	Strive Sound, 11 Channels
Control Loading	Digital
QUALIFICATION STANDARDS:	
EASA	EASA CS-FSTD (A) Level D
ICAO	ICAO Doc. Num. 9625 Level VII
CCAR	CCAR-60 Level D
AIRCRAFT SYSTEM:	
Engine Version	
Baseline	CFM56-7B27
Alternate	CFM56-7B24 & 26
Aerodynamic Data Revision	
	D611A001 Rev M D611A001 Vol 6 Rev A

	D611A019 Rev H
	D611A024 Vol 1 Rev F
Engine Model Revision:	D611A025 Rev J
Flight Controls Data Revision:	D611A001 Vol 1 Rev M
Flight Management System:	FMS Smiths U10.8A (Rehosted) TCAS II Rev 7.1 (Simulated) EGPWS Honeywell Mark V (Rehosted) Rockwell Collins HGS-4000 (LRU)

SIMULATOR AVIONICS:

Cockpit Display System:	Display Units: Simulated Processing Units: Rehosted DEU II BP 2006
Autopilot	MCP: Simulated AFCS: Simulated
Flight Management System (FMS):	FMC: Rehosted U10.8A MCDUs: Simulated
HUD	HUD: Yes, A/C HUD 4000 Repeater Yes
Navigation (DME, VOR, ADF, AHRS/IRS, ADS):	DME: Simulated MMR: Simulated ADF: Simulated MKR: Simulated ADIRS: Simulated RA: Simulated ISFD: Simulated HW
Communication (VHF, HF):	VHF: Simulated HF: Simulated ELT: Simulated RTP: Simulated ACP: Simulated
Integrated Standby Instrument Systems (ISIS)	
EGPWS:	Rehosted EGPWS
EICAS:	Rehosted
TCAS	Traffic Collision Avoidance System 7.1
Weather Radar (WXR) :	Simulated Rockwell Collins 622-5132-634 Predictive Windshear System (PWS): Yes Lightning Detection System (LDS): No

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	EU-A0138
CAAS	AWI/SIM/012
CCAC	FSD-F103
CAAM	U13/18
DGCA INDIA	FSTD-2T4L-1217
CAA Thailand	050/60
CAA Fiji	EUA0138