

Federal Aviation Administration National Simulator Program



Statement of Qualification

The Federal Aviation Administration (FAA) National Simulator Program (NSP) has evaluated this Flight Simulation Training Device (FSTD) and found it to meet the standards set forth in the qualification document.

Sponsor	Avenger Flight Training LLC.
FAA ID	1461
Aircraft Designation	A-320-200
Qualification Document	14 CFR Part 60 (2008), Appendix B
Qualification Level	5
Expiration Date	7/31/2024

With the exception of noted exclusions for which this FSTD has not been subjectively tested, the qualification of this FSTD includes the tasks set out in the applicable qualification document. To maintain qualification, this FSTD must continue to meet all the standards and specifications of the qualification document and is subject to the conditions and limitations in the FSTD Information and Configuration List as well as the last FAA FSTD Evaluation Report. This certificate is not transferable, and unless revoked, suspended, or amended is valid until the expiration date.

Federal Aviation Administration
National Simulator Program

FSTD INFORMATION & CONFIGURATION

Sponsor Name:	Avenger Flight Training LLC.
Designator:	O37X
FAA ID:	1461
Make/Model/Series:	A-320-200
Evaluation Interval:	24

Section 1. Sponsor | FSTD Location | Contact Information

FSTD Location

Training FacilityName:	AFG DFW
Address:	4649 DIPLOMACY RD
City:	FORT WORTH
State/Prov/Terr:	TX
Country:	USA
ZIP:	76155

Local FAA Authority/ FAA Training Program Approval Authority (TPAA)

Name:	Power, Willis		
Address:	8700 Freeport Parkway, Suite 200B		
City:	IRVING		
State/Prov/Terr:	TX	Office:	214 277 8469
Country:	USA	Cell:	817 657 4788
ZIP:	75063	Email:	willis.h.power@faa.gov

FAAAlternate POC (APM, FTPM, if applicable)

Name:	Budnick, Ronald		
Address:	26805 E. 68th Avenue		
City:	DENVER		
State/Prov/Terr:	CO	Office:	(303) 342-1119
Country:	USA	Cell:	
ZIP:	80249	Email:	Ronald.budnick@faa.gov

Sponsor FSTD Management Representative

Name:	De Leon, Pablo		
Address:	1450 Lee Wagener Blvd.		
City:	FORT LAUDERDALE		
State/Prov/Terr:	FL	Office:	
Country:	USA	Cell:	(954) 483-7614
ZIP:	33315	Email:	pablodeleon@afgsim.com

Sponsor FSTD Local Contact

Name:	Sin Quee, Yannique		
Address:	1450 Lee Wagener Blvd		
City:	FORT LAUDERDALE		
State/Prov/Terr:	FL	Office:	
Country:	USA	Cell:	(954) 270-6862
ZIP:	33315	Email:	yanniquesinquee@afgsim.com

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Section 2. FSTD Information			
A/C Common Name:	AIRBUS A-320	Manufacturer Name:	Multi Pilot Simulations
A/C Alternative Name:	A-320-200	Manufactured Year:	2016
Qualification Basis:	14 CFR Part 60 (2008), Appendix B	Manufacture Serial No:	A205
Qualification Level:	5	Sponsor's FSTD ID:	A320-FTD 1
FSTD Class:	Airplane FTD	Evaluation Base Month:	Apr
FSTD Seats Available:	3	FSTD Convertible to:	

FSTD Configuration Information

FSTD Configuration (1):	A-320-200
FSTD Configuration (2):	
FSTD Configuration (3):	
FSTD Configuration (4):	
FSTD Configuration (5):	

FSTD Engine Information

Pri. Engine Type / Thrust:	CFM56-5B4 / 27K	FADEC Version:	STD 5BF3 (CFM)
Alt. Engine Type / Thrust:	IAE V2527-A5 / 26.5K	FADEC Version:	STD SCN21 (IAE)
Alt. Engine Type / Thrust:		FADEC Version:	
Alt. Engine Type / Thrust:		FADEC Version:	

Flight Instrumentation & Systems

<input type="checkbox"/> NVG	<input type="checkbox"/> Other:
<input type="checkbox"/> CPDLC	<input type="checkbox"/> Other:
<input type="checkbox"/> EFB Class:	<input type="checkbox"/> Other:

Data Sources & Models

Flight Control Data: Model/Revision:	ELAC STD L97 / SEC STD C 124
Aero Model: Source/Model/Revision:	Airbus / A320 / D00226901

Visual System

Image Generator Make/Model:	RSI/Raster xT4		
Display Type:	Cross Ckpt, Collimated	Visual Projector Type:	LCoS/LED/DLP
Horizontal Field of View (degs):	200	Vertical Field of View (degs):	40

Avionics

Manufacturer			
Model	EIS2 S11		
Standard/Revision	STD 1.9		

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Flight Management System			
Manufacturer:	Honeywell		
Model:	H2BPC13 (CFM) / H2BPI12 (IAE) rel. 1A		
Type/Revision:			

Motion System	
Manufacturer:	RSI
Type:	NA
Axis:	0

Airport Qualification Models	
1: Airport / Runways / Taxiway:	
2: Airport / Runways / Taxiway	
3: Airport / Runways / Taxiway	

Visual Ground Segment	
Airport / Landing RW	

Helicopter Non-Airport Landing Areas	
Elevated Surface:	
Confined Landing Area:	
Sloped Surface	

Other National Aviation Authority Qualifications (US-NAA BASA-SIPs Agreements Only)			
NAA Name:			
NAA FSTD ID No:			
NAA Qualification Level:			
NAA Qualification Basis:			

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Except for Non-Qualified items, this FSTD is qualified to perform all maneuvers, procedures, tasks, and functions listed in the applicable QPS Appendix, Tables 1B and 1C of 14 CFR Part 60 as amended. Additionally, this FSTD is qualified to perform maneuvers, procedures, tasks, and functions annotated in sections 3a, 3b, or 3c. Specific use in conjunction with any training program must be approved by the FAA Training Program Approval Authority (TPAA).

Section 3a. Level 6 and Above FSTD Additional FSTD Qualified Maneuvers, Procedures, Tasks, and Functions (not stated in 14CFR Part 60 Appendix (A,B,C, or D) Attachment 1, Table 1B)			
Area/Function/Maneuver	Requested (Sponsor Use)	Qualified (FAA Use Only)	Remarks (Include Partial Task Limitations if Applicable)
CAT I (Minimums IAW sponsor/operator authorization)	<input type="checkbox"/>	<input type="checkbox"/>	
CAT II (Minimums IAW sponsor/operator authorization)	<input type="checkbox"/>	<input type="checkbox"/>	
CAT III (Minimums IAW sponsor/operator authorization)	<input type="checkbox"/>	<input type="checkbox"/>	
Circling Approach	<input type="checkbox"/>	<input type="checkbox"/>	
Windshear Training	<input type="checkbox"/>	<input type="checkbox"/>	
Auto-Coupled Approach	<input type="checkbox"/>	<input type="checkbox"/>	
Auto Go Around	<input type="checkbox"/>	<input type="checkbox"/>	
Auto-Land / Roll-Out Guidance	<input type="checkbox"/>	<input type="checkbox"/>	
TCAS/ACAS I / II	<input type="checkbox"/>	<input type="checkbox"/>	
WX-Radar	<input type="checkbox"/>	<input type="checkbox"/>	
HUD / HGS	<input type="checkbox"/>	<input type="checkbox"/>	
EFVS / SVS	<input type="checkbox"/>	<input type="checkbox"/>	
TAWS (GPWS / EGPWS)	<input type="checkbox"/>	<input type="checkbox"/>	
SMGCS	<input type="checkbox"/>	<input type="checkbox"/>	
Enhanced Taxi Markings	<input type="checkbox"/>	<input type="checkbox"/>	
RWSL / LAHSO	<input type="checkbox"/>	<input type="checkbox"/>	
LPV GPS WAAS <input type="checkbox"/> LPV <input type="checkbox"/> GPS <input type="checkbox"/> WAAS	<input type="checkbox"/>	<input type="checkbox"/>	
RNP/AR	<input type="checkbox"/>	<input type="checkbox"/>	
ADS-B <input type="checkbox"/> In	<input type="checkbox"/>	<input type="checkbox"/>	
Full Stall (14CFR Part 60 (2016)/FSTD Directive 2)	<input type="checkbox"/>	<input type="checkbox"/>	
UPRT (14CFR Part 60 (2016)/FSTD Directive 2)	<input type="checkbox"/>	<input type="checkbox"/>	
Icing (14CFR Part 60 (2016)/FSTD Directive 2)	<input type="checkbox"/>	<input type="checkbox"/>	
Realistic Gusting Crosswind (14CFR Part 60 (2016)/FSTD Directive 2)	<input type="checkbox"/>	<input type="checkbox"/>	
Bounced Landing (14CFR Part 60 (2016)/FSTD Directive 2)	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	

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Section 3b. Level 6 and Above FSTD Additional Helicopter FSTD Qualified Maneuvers, Procedures, Tasks, and Functions (not stated in 14CFR Part 60 Appendix (C or D) Attachment 1, Table 1B)			
Area/Function/Maneuver	Requested (Sponsor Use)	Qualified (FAA Use Only)	Remarks (Include Partial Task Limitations if Applicable)
Helicopter Slope Landings	<input type="checkbox"/>	<input type="checkbox"/>	
Helicopter External Load Operations	<input type="checkbox"/>	<input type="checkbox"/>	
Helicopter Pinnacle Approach to Landings	<input type="checkbox"/>	<input type="checkbox"/>	
Helicopter Night Vision Maneuvers Class A <input type="checkbox"/> , Class B Lens <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Helicopter Category A Takeoffs	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	

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Section 3c. Level 4 & 5 FSTD Optionally Qualified Maneuvers, Procedures, Tasks, and Functions (as defined in Table B1B and D1B)			
Area/Function/Maneuver	Requested (Sponsor Use)	Qualified (FAA Use Only)	Remarks (Include Partial Task Limitations if Applicable)
Preflight Procedures			
Preflight Inspection (flight deck only).	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Engine Start	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Pre-takeoff Checks.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
In-Flight Maneuvers			
Approach to Stalls	<input type="checkbox"/>	<input type="checkbox"/>	(Level 5 Only)
Engine Failure (procedures only)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Level 5 Only)
Specific Flight Characteristics incorporated into user's approved flight training program	<input type="checkbox"/>	<input type="checkbox"/>	
Instrument Procedures			
Standard Terminal Arrival / Flight Management System Arrival	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Level 5 Only)
Holding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Level 5 Only)
Precision Instrument, all engines operating	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Level 5 Only)
Non-Precision Instrument, all engines operating	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Level 5 Only)
Missed Approach	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Level 5 Only)
Landings and Approaches to Landings			
Visual Approaches (normal, steep, shallow) with visual system	<input type="checkbox"/>	<input type="checkbox"/>	(Helicopter Only)
Normal and Abnormal Procedures			
Powerplant	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Fuel System	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Electrical System	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Environmental and Pressurization Systems	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Fire Detection and Extinguisher Systems	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Navigation and Avionics Systems	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Automatic Flight Control System, Electronic Flight Instrument System, and Related Subsystems.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Flight Control Systems	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Anti-ice and Deice Systems	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Aircraft and Personal Emergency Equipment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Emergency Procedures			
Emergency Descent (Max Rate)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Level 5 Only)
Inflight fire and smoke removal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Level 5 Only)
Rapid Decompression	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(Level 5 Only)
Emergency Evacuation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Post flight Procedures			
After-Landing Procedures	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Rotor brake operation.	<input type="checkbox"/>	<input type="checkbox"/>	(Helicopter Only)
Abnormal/emergency procedures	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Other			
Other	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	

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Narrative
