

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	1615
Aircraft Designation	A-320-214
Qualification Document	14 CFR Part 60 (2016), Appendix A
Qualification Level	D
Expiration Date	5/31/2024

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:	1615
Make/Model/Series:	A-320-214
Evaluation Interval:	24

Section 1. Sponsor | FSTD Location | Contact Information

FSTD Location

Training FacilityName:	AFG Ft Lauderdale
Address:	1450 LEE WAGENER BLVD
City:	FORT LAUDERDALE
State/Prov/Terr:	FL
Country:	USA
ZIP:	33315

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:			
Address:			
City:			
State/Prov/Terr:		Office:	
Country:		Cell:	
ZIP:		Email:	

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:	yannique.singuee@afgsim.com

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Section 2. FSTD Information			
A/C Common Name:	AIRBUS A-320	Manufacturer Name:	CAE
A/C Alternative Name:	A-320-214	Manufactured Year:	2018
Qualification Basis:	14 CFR Part 60 (2016), Appendix A	Manufacture Serial No:	116563
Qualification Level:	D	Sponsor's FSTD ID:	A320-10
FSTD Class:	Airplane FFS	Evaluation Base Month:	Feb
FSTD Seats Available:	5	FSTD Convertible to:	
FSTD Configuration Information			
FSTD Configuration (1):	A-320-214		
FSTD Configuration (2):			
FSTD Configuration (3):			
FSTD Configuration (4):			
FSTD Configuration (5):			
FSTD Engine Information			
Pri. Engine Type / Thrust:	A320-214 CFM56-5B4 / 27K	FADEC Version:	STD FCS3.1 (2500M34P05 simulated)
Alt. Engine Type / Thrust:	A320-232 V2527 A5 / 26.5K	FADEC Version:	STD SNC21/AA (A4355 simulated)
Alt. Engine Type / Thrust:		FADEC Version:	
Alt. Engine Type / Thrust:		FADEC Version:	
Flight Instrumentation & Systems			
<input type="checkbox"/> NVG	<input checked="" type="checkbox"/> Other: EFIS		
<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: Thales 3945129100 (L98H) (sEFCS Retarget)		
Aero Model: Source/Model/Revision:	Aerospatiale SA00RP1719076-Product Delivery A320 Natural Flight Loop V5.6.0 - Mass Properties Flight Simulator Standard 2.0		
Visual System			
Image Generator Make/Model:	CAE Tropos 6000XR		
Display Type:	Cross Ckpt, Collimated	Visual Projector Type:	LCoS/LED/DLP
Horizontal Field of View (degs):	200	Vertical Field of View (degs):	43
Avionics			
Manufacturer	Thales/Honeywell		
Model			
Standard/Revision	STD 2.0		

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Flight Management System			
Manufacturer:	Thales/Honeywell		
Model:	STD H2CPC16 Rel 1A (CFM): Honeywell		
Type/Revision:			

Motion System	
Manufacturer:	MOOG
Type:	Electric
Axis:	6

Airport Qualification Models	
1: Airport / Runways / Taxiway	KSEA / ALL / ALL
2: Airport / Runways / Taxiway	KMEM / ALL / ALL
3: Airport / Runways / Taxiway	KJFK / ALL / ALL

Visual Ground Segment	
Airport / Landing RW	KJFK 04R

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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CAT II (Minimums IAW sponsor/operator authorization)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CAT III (Minimums IAW sponsor/operator authorization)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Circling Approach	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Windshear Training	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Auto-Coupled Approach	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Auto Go Around	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Auto-Land / Roll-Out Guidance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
TCAS/ACAS I / II 7.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
WX-Radar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
HUD / HGS	<input type="checkbox"/>	<input type="checkbox"/>	
EFVS / SVS	<input type="checkbox"/>	<input type="checkbox"/>	
TAWS (GPWS / EGPWS)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
SMGCS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Enhanced Taxi Markings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
RWSL / LAHSO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
LPV GPS WAAS <input type="checkbox"/> LPV <input checked="" type="checkbox"/> GPS <input type="checkbox"/> WAAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
RNP/AR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
ADS-B <input type="checkbox"/> In	<input type="checkbox"/>	<input type="checkbox"/>	
Full Stall (14CFR Part 60 (2016)/FSTD Directive 2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
UPRT (14CFR Part 60 (2016)/FSTD Directive 2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Icing (14CFR Part 60 (2016)/FSTD Directive 2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Realistic Gusting Crosswind (14CFR Part 60 (2016)/FSTD Directive 2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Bounced Landing (14CFR Part 60 (2016)/FSTD Directive 2)	<input checked="" type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	
Engine Start	<input type="checkbox"/>	<input type="checkbox"/>	
Pre-takeoff Checks.	<input type="checkbox"/>	<input type="checkbox"/>	
In-Flight Maneuvers			
Approach to Stalls	<input type="checkbox"/>	<input type="checkbox"/>	(Level 5 Only)
Engine Failure (procedures only)	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	(Level 5 Only)
Holding	<input type="checkbox"/>	<input type="checkbox"/>	(Level 5 Only)
Precision Instrument, all engines operating	<input type="checkbox"/>	<input type="checkbox"/>	(Level 5 Only)
Non-Precision Instrument, all engines operating	<input type="checkbox"/>	<input type="checkbox"/>	(Level 5 Only)
Missed Approach	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	
Fuel System	<input type="checkbox"/>	<input type="checkbox"/>	
Electrical System	<input type="checkbox"/>	<input type="checkbox"/>	
Environmental and Pressurization Systems	<input type="checkbox"/>	<input type="checkbox"/>	
Fire Detection and Extinguisher Systems	<input type="checkbox"/>	<input type="checkbox"/>	
Navigation and Avionics Systems	<input type="checkbox"/>	<input type="checkbox"/>	
Automatic Flight Control System, Electronic Flight Instrument System, and Related Subsystems.	<input type="checkbox"/>	<input type="checkbox"/>	
Flight Control Systems	<input type="checkbox"/>	<input type="checkbox"/>	
Anti-ice and Deice Systems	<input type="checkbox"/>	<input type="checkbox"/>	
Aircraft and Personal Emergency Equipment	<input type="checkbox"/>	<input type="checkbox"/>	
Emergency Procedures			
Emergency Descent (Max Rate)	<input type="checkbox"/>	<input type="checkbox"/>	(Level 5 Only)
Inflight fire and smoke removal	<input type="checkbox"/>	<input type="checkbox"/>	(Level 5 Only)
Rapid Decompression	<input type="checkbox"/>	<input type="checkbox"/>	(Level 5 Only)
Emergency Evacuation	<input type="checkbox"/>	<input type="checkbox"/>	
Post flight Procedures			
After-Landing Procedures	<input type="checkbox"/>	<input type="checkbox"/>	
Rotor brake operation.	<input type="checkbox"/>	<input type="checkbox"/>	(Helicopter Only)
Abnormal/emergency procedures	<input type="checkbox"/>	<input 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
