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	Leonardo S.p.a Helicopters
FAA ID	1071
Aircraft Designation	AGUSTA-AW139-AW139
Qualification Document	120-63
Qualification Level	D
Expiration Date	6/30/2026

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:	Leonardo S.p.a Helicopters	
Designator:	UGAW	
FAA ID:	1071	
Make/Model/Series:	AGUSTA-AW139-AW139	
Evaluation Interval:	12	

Training Facility Name: Leonardor-Philadelphia Training Acad Address: 305 Red Lion Road City: Philadelphia Training Acad State/Prov/Terr: PA Country: USA Iona FAA Authority / FAA Training Program Vertority (TPAA) Name: Keane-Michael Address: 8700 Freeror Parkway City: 8700 Freeror Parkway City: 171 State/Prov/Terr: Office: VSA Cell: ZiP: 050 Freeror Parkway Country: USA ZiP: Office: Name: (954) 641-6629 Country: USA ZiP: Office: Name: (954) City: Tomai: Matersa: (954) 641-6629 Country: USA ZiP: Office: Name: Cell: City: Sate/Prov/Terr: Sate/Prov/Terr: Io Sate/Prov/Terr: Cell: Sate/Prov/Terr: Cell: Sate/Prov/Terr: Gric </th <th colspan="5">Evaluation Interval: 12</th>	Evaluation Interval: 12				
Training Facility Name: LeconarJeci-Philadelphia Training Acad Address: 3050 Red Lion Road City: Philad=phia State/Prov/Terr: PA ZIP: 19114 Local FAA Authority / FAA Training Programmetation of the state of the	Section 1. Sponsor FSTD Location Contact Information				
Address: 3050 Red Lion Road City: Philad=phia State/Prov/Terr: PA ZIP: 1911/ Lead FAA Authority / FAA Training Program Jathority (TPAA) Name: Ream_Michael Address: 8700 Freport Parkway City: Name: State/Prov/Terr: TX Office: (954) 641-6629 Country: USA Cate/Prov/Terr: TX Office: michael.keane@faa.gov FAA Atternate POC (APM, FTPM, If application) michael.keane@faa.gov State/Prov/Terr: USA Cell: Gity: State/Prov/Terr: Imail: State/Prov/Terr: Imail: Imail: State/Prov/Terr: Imail: Imail: State/Prov/Terr: Imail: Imail: State/Prov/Terr: Imail: Imail: State/Prov/Terr: Imai	FSTD Location				
City: Phila⊂ipiia State/Prov/Terr: IV ZP: 1911/	Training Facility Name:	Leona	Leonardo-Philadelphia Training Acad		
State/Prov/Terr: PA Country: USA ZIP: 1911/ Local FAA Authority / FAA Training Program Approvance Authority (TPAA) Name: Keana Authority (TPAA) Name: Keana Authority (TPAA) Name: Keana Authority (TPAA) State/Prov/Terr: Via TX Office: (954) 641-6629 Country: USA Cell: michael.keane@fan.gov ZIP: TX Office: michael.keane@fan.gov FAA Alternate POC (APM, FTPM, if application michael.keane@fan.gov michael.keane@fan.gov FAA Alternate POC (APM, FTPM, if application michael.keane@fan.gov michael.keane@fan.gov FAA Alternate POC (APM, FTPM, if application michael.keane@fan.gov michael.keane@fan.gov FAA Auternate POC (APM, FTPM, if application michael.keane@fan.gov michael.keane@fan.gov State/Prov/Terr: USA Cell: michael.keane@fan.gov State/Prov/Terr: Imait: Imait: Imait: Name: Cell: Imait: Imait: Address: Imait: Imait: Imait: S	Address:	3050 F	Red Lion Road		
Conntry: USA ZIP: 1911/ Local FAA Authority / FAA Training Progeneration of the second seco	City:	Philad	elphia		
Init Init Init Init Init Name: Kear-Xerration (TPAA) Name: Kear-Xerration (TPAA) Adress: S700 - Ferriway City: Init Stafe/Prov/Terr: TX Office: Ountry: USA Cell: ZP: 75063 Email: michael.keane@faa.gov FAA Atternate POC (APM, FTPM, if apple) Init: Init: FAA Atternate POC (APM, FTPM, if apple) Init: Init: Stafe/Prov/Terr: Init: Init: Gity: Init: Init: Stafe/Prov/Terr:	State/Prov/Terr:	PA			
Local FAA Authority / FAA Training Program Authority (TPAA) Name: Kean-U-U-U-U-U-U-U-U-U-U-U-U-U-U-U-U-U-U-U	Country:	USA			
Name:Keane, MichaelAddress:S700 Freeport ParkwayCity:IrvingState/Prov/Terr:TXOffice:2000 org.USACell:ZIP:7503Email:Mane:Address:City:State/Prov/Terr:IMare:Office:Address:City:State/Prov/Terr:IGountry:ICountry:IIOffice:Country:IICell:State/Prov/Terr:IICell:State/Prov/Terr:IIOffice:State/Prov/Terr:IIOffice:State/Prov/Terr:IIIState/Prov/Terr:IICell:State/Prov/Terr:IIIState/Prov/Terr:IIOffice:State/Prov/Terr:IIIIII:State/Prov/Terr:IIIIState/Prov/Terr:IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	ZIP:	19114			
Address: 8700 Functional state Gity: Irvin State/Prov/Terr: IX Office: 054) 641-6629 Country: USA Cell: michael.keane@faa.gov ZIP: 7503 Email: michael.keane@faa.gov FAAAtternate POC (APM, FTPM, if application state michael.keane@faa.gov michael.keane@faa.gov FAAAtternate POC (APM, FTPM, if application state michael.keane@faa.gov michael.keane@faa.gov FAAAtternate POC (APM, FTPM, if application state michael.keane@faa.gov michael.keane@faa.gov FAAAtternate POC (APM, FTPM, if application state michael.keane@faa.gov michael.keane@faa.gov FAAAtternate POC (APM, FTPM, if application state michael.keane@faa.gov michael.keane@faa.gov FAAAtternate POC (APM, FTPM, if application state michael.keane@faa.gov michael.keane@faa.gov FAAAtternate POC (APM, FTPM, if application state Formation state formation state State/Prov/Terr: In Office: Indice State/Prov/Terr: In Office: formation state State/Prov/Terr: In Office: in State/Prov/Terr: In Office: in State/Prov/Terr: In Office: in State/Prov/Terr: In In<	Local FAA Authority / FAA Training Progra	і іт Аррі	roval Authority (TPAA)		
City:IrvingState/Prov/Terr:TXOffice:(954) 641-6629Country:USACell:michael.keane@faa.govZIP:75063Email:michael.keane@faa.govFAA Alternate POC (APM, FTPM, if application and the state and th	Name:	Keane	, Michael		
State/Prov/Terr:TXOffice:(954) 641-6629Country:USACell:inchael.keane@faa.govZIP:7503Email:michael.keane@faa.govFAA Alternate POC (APM, FTPM, if application and the properties of the pro	Address:	8700 F	Freeport Parkway		
Country:USACell:Initial case @ faa.govZIP:7503Email:michael.keane@faa.govFAA Alternate POC (APM, FTPM, if application of the case of the cas	City:	Irving			
ZiP:7503Email:michael.keane@faa.govFAA Alternate POC (APM, FIPM, if application of the second of	State/Prov/Terr:	TX	Office:	(954) 641-6629	
A Alternate POC (APM, FTPM, if application of the problem in the pr	Country:	USA	Cell:		
Name: Image: Image	ZIP:	75063	Email:	michael.keane@faa.gov	
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Country:Cell:ZIP:Email:Sponsor FSTD Management RepresentativeName:Cella, LessandroAddress:Cella, LessandroGity:Sesto - LendeState/Prov/Terr:ITOffice:ITOffice:Country:ITACell:Address:JailsJails:Adstandro.cella@leonardo.collState/Prov/Terr:ITAOffice:State/Prov/Terr:ITACell:Adress:Jailsalessandro.cella@leonardo.collCountry:ITACell:Address:Orsin_JaileAddress:Via I-tjendenza, 2City:Sesto -Lende	City:				
ZIP:Image:Email:Sponsor FSTD Management RepresentativeName:CellaAddress:CellaAddress:Via ImagementCity:SestoreState/Prov/Terr:ITOffice:ImagementCountry:ITAZIP:21018Email:alessandro.cella@leonardo.ceSponsor FSTD Local ContactVia ImagementName:OrsimileAddress:Via ImagementCity:Sestore	State/Prov/Terr:		Office:		
Sponsor FSTD Management Representative Name: Cella, Alessandro Address: Via Indipendenza, 2 City: Sesto Calende State/Prov/Terr: IT Office: Country: ITA Cell: +39 3455 775607 ZIP: 21018 Email: alessandro.cella@leonardo.co Sponsor FSTD Local Contact Via Indipendenza, 2 tende Name: Orsini, Daniele Via Indipendenza, 2 City: Sesto Calende tende	Country:		Cell:		
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Address: Via Indipendenza, 2 City: Sesto-Lende State/Prov/Terr: IT Office: Image: Country: ITA Cell: +39 3455 775607 ZIP: 21018 Email: alessandro.cella@leonardo.co Sponsor FSTD Local Contact Via Indipendenza, 2 Image: Country: Via Indipendenza, 2 Address: Via Indipendenza, 2 Image: Country: Via Indipendenza, 2 City: Sesto-Lende Image: Country: Sesto-Lende	Sponsor FSTD Management Representative	-			
City: Sesto ⊂lende State/Prov/Terr: IT Office: Country: ITA Cell: +39 3455 775607 ZIP: 21018 Email: alessandro.cella@leonardo.co Sponsor FSTD Local Contact Orsini, Daniele Image: Orsini, Daniele Address: Via Indipendenza, 2 Sesto ⊂lende Image: Sesto ⊂lende	Name:	Cella,	Alessandro		
State/Prov/Terr:ITOffice:Country:ITACell:+39 3455 775607ZIP:21018Email:alessandro.cella@leonardo.coSponsor FSTD Local ContactSponsor FSTD Local ContactVia Indipendenza, 2Name:Orsini, DanieleVia Indipendenza, 2City:Sesto CalendeVia Indipendenza, 2	Address:	Via In	dipendenza, 2		
Country:ITACell:+39 3455 775607ZIP:21018Email:alessandro.cella@leonardo.coSponsor FSTD Local ContactOrsini, DanieleName:Orsini, DanieleAddress:Via Indipendenza, 2City:Sesto Calende	City:	Sesto (Calende		
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Sponsor FSTD Local Contact Name: Orsini, Daniele Address: Via Indipendenza, 2 City: Sesto Calende	Country:	ITA	Cell:	+39 3455 775607	
Name: Orsini, Daniele Address: Via Indipendenza, 2 City: Sesto Calende	ZIP:	21018 Email: alessandro.cella@leonardo.com			
Address: Via Indipendenza, 2 City: Sesto Calende	Sponsor FSTD Local Contact				
City: Sesto Calende	Name:	Orsini, Daniele			
	Address:	Via Indipendenza, 2			
State/Prov/Terr: IT Office:	City:	Sesto Calende			
	State/Prov/Terr:	IT Office:			

Country:	ITA	Cell:	+39 348 691 6248
ZIP:	21018	Email:	daniele.orsini@cae.com

Section 2. FSTD Information				
A/C Common Name:	AGUSTA AGUSTA-AW139	Manufacturer Name:	CAE	
A/C Alternative Name:	AGUSTA-AW139-AW139	Manufactured Year:	2008	
Qualification Basis:	120-63	Manufacture Serial No:	2ECX-745	
Qualification Level:	D	Sponsor's FSTD ID:	AW139 FFS#2	
FSTD Class:	Helo FFS	Evaluation Base Month:	Mar	
FSTD Seats Available:	5	FSTD Convertible to:		
FSTD Configuration Informati	on			
FSTD Configuration (1):	AGUSTA-AW139-AW139			
FSTD Configuration (2):				
FSTD Configuration (3):				
FSTD Configuration (4):				
FSTD Configuration (5):				
FSTD Engine Information				
Pri. Engine Type / Thrust:	2x P&WC PT6C-67C / 1872 shp	FADEC Version:		
Alt. Engine Type / Thrust:		FADEC Version:		
Alt. Engine Type / Thrust:		FADEC Version:		
Alt. Engine Type / Thrust:		FADEC Version:		
Flight Instrumentation & Systems				
☑ _{NVG}		Other:		
		Other:		
EFB Class: Portable		□ Other:		
Data Sources 9 Madda				
Data Sources & Models				
Flight Control Data: Model/Revision:	139G0290T036/2			
Aero Model: Source/Model/Revision:	AgustaWestland AW139 139G0290T036/2 Rev. B			
Vieual System				
Visual System Image Generator CAE Medallian (021				
Make/Model:	CAE Medallion 6031			
Display Type:	Cross Ckpt, Collimated	Visual Projector Type:	LCoS/LED/DLP	
Horizontal Field of View (degs):	220	Vertical Field of View (degs):	60	

Avionics			
Manufacturer	Honeywell		
Model	Primus EPIC		
Standard/Revision	SW Phase 7.4		

Flight Management System			
Manufacturer:	Honeywell		
Model:	Primus Epic		
Type/Revision:	SW Phase 7.4		

Motion System		
Manufacturer:	CAE Series 660 6-DOF with 3-DOF Vibration Platform	
Туре:	Hydraulic	
Axis:	6	

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

Visual Ground Segment	
Airport / Landing RW	KHOU / 04

Helicopter Non-Airport Landing Areas		
Elevated Surface:	"Pietralata" and "Ministero della Difesa" – elevated heliports - Italy; KTEB - elevated surface	
Confined Landing Area:	"P. Repubblica" and "S. Pertini" Hospital – confined areas - Italy; KTEB - confined area	
Sloped Surface	KTEB - slope area - N 40:45:35.70 / W74:05:19.70	

Other National Aviation Authority Qualifications (US-NAA BASA-SIPs Agreements Only)			
NAA Name:	ТС		
NAA FSTD ID No:	608		
NAA Qualification Level:	D		
NAA Qualification Basis:	AC 120-63		

Federal Aviation Administration National Simulator Program

FSTD INFORMATION & CONFIGURATION

Leonardo S.p.a Helicopters		
UGAW		
1071		
AGUSTA-AW139-AW139		
12		

Except for <u>Non-Qualified</u> 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. <u>Specific use in conjunction with any training program must be approved by the FAA Training Program Approval Authority (TPAA).</u>

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)	\checkmark	\checkmark	
CAT II (Minimums IAW sponsor/operator authorization)			
CAT III (Minimums IAW sponsor/operator authorization)			
Circling Approach	\checkmark	$\mathbf{\mathbf{V}}$	KJFK Rwy 04R circle to 31R
Windshear Training			
Auto-Coupled Approach	\checkmark	\checkmark	
Auto Go Around	\checkmark	\checkmark	
Auto-Land / Roll-Out Guidance			
TCAS/ACAS I / II 7.1	\checkmark	\checkmark	
WX-Radar	\checkmark	\checkmark	
HUD / HGS			
EFVS / SVS			
TAWS (GPWS / EGPWS)	\checkmark	\checkmark	
SMGCS			
Enhanced Taxi Markings	\checkmark	\checkmark	
RWSL / LAHSO			
LPV GPS WAAS LPV GPS WAAS			
RNP/AR			
ADS-B In			
Full Stall (14CFR Part 60 (2016)/FSTD Directive 2)			
UPRT (14CFR Part 60 (2016)/FSTD Directive 2)			
Icing (14CFR Part 60 (2016)/FSTD Directive 2)			
Realistic Gusting Crosswind (14CFR Part 60 (2016)/FSTD Directive 2)			
Bounced Landing (14CFR Part 60 (2016)/FSTD Directive 2)			

Other		
Other		
Other		
Other		

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	\checkmark	\checkmark	KTEB - slope area - N 40:45:35.70 / W74:05:19.70
Helicopter External Load Operations	\checkmark	\checkmark	КТЕВ
Helicopter Pinnacle Approach to Landings		\checkmark	N 40:45:28.85 / W 74:05:21.73
Helicopter Night Vision Maneuvers Class A , Class B Lens	7	√	N40:45:35.70/W74:05:19.70 North of KEWR / South of KTEB
Helicopter Category A Takeoffs	\checkmark	\checkmark	
Other OSAP	\checkmark	\checkmark	
Other HEDA	\checkmark	\checkmark	
Other			
Other			

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).					
Engine Start					
Pre-takeoff Checks.					
In-Flight Maneuvers					
Approach to Stalls			(Level 5 Only)		
Engine Failure (procedures only)			(Level 5 Only)		
Specific Flight Characteristics incorporated into user's approved flight training program					
Instrument Procedures					
Standard Terminal Arrival / Flight Management System Arrival			(Level 5 Only)		
Holding			(Level 5 Only)		
Precision Instrument, all engines operating			(Level 5 Only)		
Non-Precision Instrument, all engines operating			(Level 5 Only)		
Missed Approach			(Level 5 Only)		
Landings and Approaches to Landings					
Visual Approaches (normal, steep, shallow) with visual system			(Helicopter Only)		

Normal and Abnormal Procedures				
Powerplant				
Fuel System.				
Electrical System				
Environmental and Pressurization Systems				
Fire Detection and Extinguisher Systems				
Navigation and Avionics Systems				
Automatic Flight Control System, Electronic Flight Instrument System, and Related Subsystems.				
Flight Control Systems				
Anti-ice and Deice Systems				
Aircraft and Personal Emergency Equipment				
Emergency Procedures				
Emergency Descent (Max Rate)			(Level 5 Only)	
Inflight fire and smoke removal			(Level 5 Only)	
Rapid Decompression			(Level 5 Only)	
Emergency Evacuation				
Post flight Procedures				
After-Landing Procedures				
Rotor brake operation.			(Helicopter Only)	
Abnormal/emergency procedures				
Other				

Narrative
