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	2097
Aircraft Designation	AGUSTA - AW119 VR
Qualification Document	14 CFR Part 60 (2016), Appendix D
Qualification Level	7
Expiration Date	3/31/2026

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:	2097
Make/Model/Series:	AGUSTA-AW119-MKII
Evaluation Interval:	12

FSTD Location Training Facility Name: Leonardo-Philadelphia Training Acad Address: 3050 Red Lion Road City: Philadelphia State/Prov/Terr: PA Country: USA ZIP: 19114 Local FAA Authority / FAA Training Program Approval Authority (TPAA) Name: Address: 8700 Freeport Parkway City: Irving State/Prov/Terr: State/Prov/Terr: TX Offfee: Genetic: Country: USA Cell: dimed.caballero-sanabria. Ahmed Address: 8700 Freeport Parkway State/Prov/Terr: State/Prov/Terr: State/Prov/Terr: TX Offfee: Genetic: Genetic: Genetic: State/Prov/Sanabria. State/Prov/Terr: State/Prov/Terr: State/Prov/Terr: State/Prov/Terr: State/Prov/Terr: Genetic: Genetic: Genetic: State/Prov/Terr: State/	Section 1. Sponsor FSTD Location Contact Information				
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City: Sesto-Zelende State/Prov/Terr: IT Office: +39 0331 915082 Country: ITA Cell: +39 3455 775607 ZIP: 21018 Email: alessandro.cella@leonardo.com Sponsor FSTD Local Contact Orsini, Daniele Via Indipendenza, 2 Address: Via Indipendenza, 2 Sesto Calende	Name:	Cella,	Alessandro		
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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: +39 0331 915097	City:	Sesto Calende			
	State/Prov/Terr:	IT Office: +39 0331 915097			

Country:	ITA	Cell:	+39 340 601 7320
ZIP:	21018	Email:	daniele.orsini@cae.com

Section 2. FSTD Information					
A/C Common Name:	AGUSTA AGUSTA-AW119	Manufacturer Name:	Leonardo Helicopters S.p.A.		
A/C Alternative Name:	AGUSTA - AW119 VR	Manufactured Year:	2023		
Qualification Basis:	14 CFR Part 60 (2016), Appendi	x Manufacture Serial No:	002		
Qualification Level:	7	Sponsor's FSTD ID:	AW119 VXR #2		
FSTD Class:	Helo FTD (VR)	Evaluation Base Month:	Dec		
FSTD Seats Available:	1	FSTD Convertible to:			
FSTD Configuration Informati	on				
FSTD Configuration (1):	AGUSTA-AW119-MKII				
FSTD Configuration (2):					
FSTD Configuration (3):					
FSTD Configuration (4):					
FSTD Configuration (5):					
FSTD Engine Information					
Pri. Engine Type / Thrust:		FADEC Version:			
Alt. Engine Type / Thrust:		FADEC Version:			
Alt. Engine Type / Thrust:		FADEC Version:			
Alt. Engine Type / Thrust:		FADEC Version:			
Flight Instrumentation & Syste	Flight Instrumentation & Systems				
		Other:			
		□ Other:			
EFB Class:		Other:			
Data Sources & Models					
Flight Control Data: Model/Revision:	Leonardo Helicopters - AGUSTA	AW119-MIKII			
Aero Model: Source/Model/Revision:	Leonardo Helicopters - AGUSTA-AW119-MIKII				
Visual System					
Image Generator Make/Model:	Diamond Visionics Genesis				
Display Type:	Other	Visual Projector Type:	N/A		
Horizontal Field of View (degs):	115	Vertical Field of View (degs):	78		

Avionics			
Manufacturer	Genesys Aerosystems		
Model	Avionic Suite		
Standard/Revision	9.0A		

Flight Management System			
Manufacturer:	Genesys Aerosystems		
Model:	Avionic Suite		
Type/Revision:	9.0A		

Motion System		
Manufacturer: Leonardo Helicopters - Motion Systems		
Туре:	Electric	
Axis:	6	

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

Visual Ground Segment	
Airport / Landing RW	KMTN / 33

Helicopter Non-Airport Landing Areas		
Elevated Surface: MD71		
Confined Landing Area:	MD65	
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:			

Federal Aviation Administration National Simulator Program

FSTD INFORMATION & CONFIGURATION

Leonardo S.p.a Helicopters
UGAW
2097
AGUSTA-AW119-MKII
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	\checkmark	
Windshear Training			
Auto-Coupled Approach	\checkmark	\checkmark	
Auto Go Around	\checkmark	\checkmark	
Auto-Land / Roll-Out Guidance			
TCAS/ACAS I / II			
WX-Radar			
HUD / HGS			
EFVS / SVS	\checkmark	\checkmark	
TAWS (GPWS / EGPWS)	\checkmark	\checkmark	
SMGCS			
Enhanced Taxi Markings			
RWSL / LAHSO			
LPV GPS WAAS LPV GPS WAAS	N		
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	
Helicopter External Load Operations			
Helicopter Pinnacle Approach to Landings		\checkmark	
Helicopter Night Vision Maneuvers Class A , Class B Lens			
Helicopter Category A Takeoffs			
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

FINAL INITIAL Qualification conducted December 17 - 19, 2024 - successful