

European Union Competent Authority



## FLIGHT SIMULATION TRAINING DEVICE QUALIFICATION CERTIFICATE

Pursuant to Commission Regulation (EU) No 1178/2011 and subject to the conditions specified below, the Ente Nazionale per l'Aviazione Civile, competent Authority of the Italian Republic, Member of European Union, hereby certifies that:

**FSTD No. IT-111**

**Leonardo S.p.A. - Helicopters AW139  
S/N: TA39STSA-FFS-001**

located at

**Leonardo S.p.A. - Helicopters  
Via Indipendenza 2, 21018 Sesto Calende (VA) - Italy 45**

has satisfied the Qualification Requirements prescribed in Part-ORA, subject to the conditions of the attached FSTD specification.

This qualification certificate shall remain valid subject to the FSTD and the holder of the qualification certificate remaining in compliance with the applicable requirements of Part-ORA, unless it has been surrendered, superseded, suspended or revoked.

**Date of issue: 8 March 2024**

**Bollo assolto in modo virtuale  
aut. Direz. Reg. Entrate Lazio  
n. 135047/98 del 30/11/1998**

Signed: (this document is digitally signed according to the Italian law D.L.gs 82/2005)

Name: **Dr. Ing. Mario Tortorici**

Title: **Airworthiness & Operations  
Director**

A. Type or variant of aircraft:	AW139
B. FSTD qualification level:	FFS Level D
C. Primary reference document	CS-FSTD H initial issue
D. Visual System	Aechelon Technology IG - 8 channel, Direct Projection on spherical dome display, FoV 220 deg. H, 75 deg. V, Barco FS70-4K6 DLP-Laser projectors
E. Motion System	MB-EP-6 electro-pneumatic, 6-DOF, 60 inches stroke
F. Engine fit	PWC PT6C-67C
G. Instrument fit	According to the helicopter type equipped with 5 tubes-EFIS Honeywell Primus Epic Phase 7.4 avionics suite
H. ACAS fit	TCAS II (SW 7.1)
I. Windshear	Windshear reproduction available
J. Additional capabilities	- NVIS, CENTRAL DISPLAY SIRIO, 4 AXYS AFCS W/SAR MODES, DOUBLE HOIST W/CAMERA, CARGO HOOK W/CAMERA, FLOATS, OPLS (LIDAR), 2ND GPS W/SBAS, 7000 kg INCREASED GW.
K. Restrictions/Limitations	None

L. Guidance information for training, testing and checking considerations	
CAT I	RVR 550 m DH 200 ft YES
CAT II	RVR N/A m DH N/A ft N/A
CAT III (lowest minimum)	RVR N/A m DH N/A ft N/A
LVTO	RVR 150 m m YES
Recency	YES
IFR training/check	YES / YES
Type rating	YES
Proficiency checks	YES
Autocoupled Approach	YES
Autoland / roll out guidance	N/A / N/A
ACAS I/II	N/A / YES (SW 7.1)
Windshear warning system / predictive windshear	N/A / N/A
WX-radar	YES
HUD / HUGS	N/A
FANS	N/A
GPWS / EGPWS	N/A / YES
GPS	YES
ETOPS Capability	N/A
Other :	- Qualification Visual Scenes: LIRA airport; "Piazzola del Quirinale" confined area; "Piazzola Palazzo Difesa Aeronautica" elevated helipad. - RNP APCH, LNAV: YES   LNAV/VNAV: YES   LPV: YES   AR: YES

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