

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-068

**Leonardo S.p.A. Helicopters AW139
S/N: 2ERJ-1035**

located at

**Rotorsim Srl
Via Indipendenza 2, 21018 Sesto Calende (VA) - Italy**

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certificate remaining in compliance with the applicable requirements of Part-ORA, unless it has been surrendered, superseded, suspended or revoked.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: 18/07/2024

**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	CAE Medallion 6220 IG - 8 channel, Direct Projection on 10 ft radius dome display, FoV 210 deg. H, 70 deg. V, Barco Sim5W DLP projectors (single Pilot ops: FoV 210 deg. H, 80 deg. V)
E. Motion System	CAE Electro-Mechanical 6-DOF EMM60 w/ Electric Vibration Platform
F. Engine fit	PWC PT6C-67C
G. Instrument fit	5 tubes-EFIS Honeywell Primus Epic avionic suite Phase 7.4 / 8.0- 4-Axys AFCS with SAR modes - WX Radar Honeywell P701, MCDU Honeywell p/n 7025725-941, Electronic stand-by GH3100, ADF Honeywell DF-855, DME Honeywell DM 855; FMS fw. NZ 7.3 / NZ 7.2.1; Transponder XS-858B; PFD/MFD Honeywell p/n 7036340-802; TCAS II TPA 100B; EGPWS MK-XXII-30 / MK-XXII-34.
H. ACAS fit	TCAS II (SW 7.1)
I. Windshear	Windshear reproduction profiles available
J. Additional capabilities	Additional features: GW increase to 6800 kg; Nightsun Spectrolab SX-5; Emergency Floats; EAPS; 2nd GPS; Dual rescue Hoist (1 sling), Cargo Hook with cameras, NVIS, FIPS, Digital Map Euronav V. ownship GPS position broadcast.
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 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
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: LIRF, LIRA and LIRU airports, confined areas: "S.Pertini" and "P. Repubblica", elevated heliports: "Pietralata" and "Ministero Difesa Aeronautica, OIL RIG placed offshore LIRF. RNP APCH, LNAV:YES LNAV/VNAV:YES LPV:YES AR :YES

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 Title: **Director**