

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-100

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

located at

**Leonardo S.p.A. - Helicopters
c/o Centro Aviazione Guardia di Finanza, Via Pratica di Mare 45, 00040
Pomezia RM**

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certificate remaining in compliance with the applicable requirements of Part-ORA, unless it has been surrendered, superseded, suspended or revoked.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: 7 October 2022

**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**

- Date in service: September 2022

A. Type or variant of aircraft:	AW139
B. FSTD qualification level:	FTD Level III
C. Primary reference document	CS-FSTD H initial issue
D. Visual System	Direct Projection on cylindrical dome, 6-channels, Diamond Visionics IG. six Barco DLP-LED FS40-4K Projectors - not collimated FoV: V 75 deg - H 205 deg.
E. Motion System	Moog, Electric, 6-DOF 26 Inches stroke
F. Engine fit	Pratt & Whitney PT6C-67C
G. Instrument fit	According to the aircraft type equipped with 5-display NVG-ready Honeywell Primus Epic avionics suite SW Rev. 7.4
H. ACAS fit	TCAS II (SW 7.1)
I. Windshear	Windshear reproduction available
J. Additional capabilities	- A/C OPERATIVE KITS: 7000 kg Increased GW, Trakka A800 searchlight, moving map Skyforce Observer MKII, emergency floats, EAPS, extended sling Hoist, dual GPS w/SBAS, TCAS II, NVIS predisposition.
K. Restrictions/Limitations	None

L. Guidance information for training, testing and checking considerations

CAT I	RVR	500	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	400 m	m				N/A
Recency							N/A
IFR training/check							YES (PARTIALLY) / YES (PARTIALLY)
Type rating							YES (PARTIALLY)
Proficiency checks							YES (PARTIALLY)
Autocoupled Approach							YES
Autoland / roll out guidance							N/A / N/A
ACAS I/II							YES / YES (SW 7.1)
Windshear warning system / predictive windshear							N/A / N/A
WX-radar							NO
HUD / HUGS							N/A
FANS							N/A
GPWS / EGPWS							N/A / N/A
GPS							YES
ETOPS Capability							N/A

Other : - Qualification Visual Scenes: LIRE airport; "Piazza del Quirinale" confined area; "Palazzo Regione Lombardia" elevated helipad.
- RNP APCH, LNAV: YES | LNAV/VNAV: YES | LPV: YES | AR: NO

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