

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-032

**Leonardo S.p.A. Helicopters AW139
S/N: 2EFS-628**

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certificate remaining in compliance with the applicable requirements of Part-ORA, unless it has been surrendered, superseded, suspended or revoked.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: 16 July 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**

FSTD SPECIFICATIONS

- Date in service: Dec 2006

A. Type or variant of aircraft:	AW139
B. FSTD qualification level:	FFS Level D
C. Primary reference document	JAR-STD 1 H (CS-FSTD H initial issue for Visual System)
D. Visual System	5-Channels 220x60 collimated display, CAE Medalion 6031 Dual IG, Barco FS40-4K DLP-LED projectors, 2 4K Mk II DLP-LED displays for Chin Windows
E. Motion System	CAE Series 660 6-DOF with 3-DOF Vibration Platform
F. Engine fit	Pratt & Whitney PT6C-67C
G. Instrument fit	Honeywell Primus Epic Avionic suite fitted with four NVG ready display units - Epic SW V. 7.4 - 4-axys AFCS w/ SAR modes - ISIS - two Honeywell MCDU, FMS firmware NZ 7.01.
H. ACAS fit	ACAS II (SW 7.1) (Allied Signal SW 7.1)
I. Windshear	Windshear reproduction profiles available
J. Additional capabilities	Additional features: Nightsun Spectrolab SX-16, Emergency Floats, EAPS, Single sling Hoist , Dual GPS w/SBAS, TCAS II, Cargo Hook, NVIS predisposition. EFB mounting kit, 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 (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: 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: N/A

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Airworthiness & Operations

 Title: **Director**