

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-072

**Leonardo S.p.A. Helicopters AW189
S/N: 2ETM-1137**

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certificate remaining in compliance with the applicable requirements of Part-ORA, unless it has been surrendered, superseded, suspended or revoked.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: 13 April 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 March 2014

A. Type or variant of aircraft:	AW189
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 (w/ eye point set to central, single pilot ops: FoV 210 deg. H, 80 deg. V)
E. Motion System	CAE Electro-Mechanical 6-DOF EMM 60" w/ 3-DOF Electric Vibration Platform
F. Engine fit	GE CT7-2E1 - Fadec SW ver. 6.0
G. Instrument fit	Leonardo Helicopters avionics system phase v. 8.0. NVG Ready CDS (4) v. F7A5, ESIS, AHRS (2), ADC (2), VOR (2), DME, Radar ALT (2), ECDU (2) sw. 3.2.1, GPS/GNSSU (2) w/ SBAS AFCS Leonardo Helicopters HAC3000 sw v. V09 R01.0 A (2), AMMS (2) sw 8.0.9
H. ACAS fit	ACAS II (Rockwell Collins SW 7.1)
I. Windshear	Windshear reproduction available.
J. Additional capabilities	- A/C FITTED KITS: MTOW 8600 kg Rotor Brake, Air Conditioning, Floats, ADELTA, Fin camera, WX Radar, ACAS II, HTAWS, Digital map, SVS, Increased visibility doors, single hoist, cargo hook, VHF/FM NPX 138, NVIS, GBAS Landing System (GAST-C).
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	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 at N41:45/E012:10.0 (LAT/LONG) elevation 185 ft ASL. - RNP APCH, LNAV: YES LNAV/VNAV: YES LPV: YES AR : YES						

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